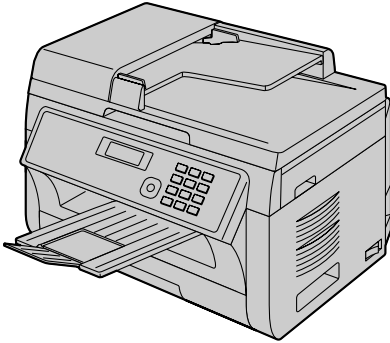


# Panasonic®

## Operating Instructions

---

Multi-Function Printer



Model No. **KX-MB2085CX**  
**KX-MB2085ML**  
**KX-MB2085SX**  
**KX-MB2090CX**  
**KX-MB2090ML**  
**KX-MB2090SX**

**Do NOT connect the unit to a computer with the USB cable until prompted to do so during the setup of Multi-Function Station (CD-ROM).**

**Be sure to use the USB cable supplied with this unit.**

**KX-MB2085CX/KX-MB2090CX only:**

- Designed to be used in Middle East, Asia, Tunisia and Africa according to the location setting feature. The default setting is Middle East. To change the location setting, see page 55 (feature #114).

**The pictures and illustrations in these instructions may vary from the actual product.**

---

**Thank you for purchasing a Panasonic product.**

**Designed to be used in Middle East, Asia, Tunisia and Africa according to the location setting feature (KX-MB2085CX/KX-MB2090CX only).**

The default setting is Middle East. To change the location setting, see page 55 (feature #114).

**Caution:**

- **Do not rub or use an eraser on the printed side of the recording paper, as the print may smear.**

**Notice for product disposal, transfer, or return:**

- This product can store your private/confidential information. To protect your privacy/confidentiality, we recommend that you erase the information from the memory before you dispose of, transfer or return the product (feature #159 on page 57).

**Environment:**

- Panasonic's strategic direction incorporates concern for the environment into all aspects of the product life cycle, from product development to energy saving designs; from greater product reusability to waste-conscious packaging practices.

**Note:**

- The suffix in the model number will be omitted in these instructions.
- Current model availability depends on country/area.
- To use the unit with a computer, this operating instructions explains the steps for Windows® 7, Windows Vista® and Windows® XP.
- To use the unit with Windows® 8, it is recommended to operate a computer in Desktop mode. In order to use Multi-Function Station, open the Start screen and start Multi-Function Station. When configuring or confirming the settings of the computer, open the Desktop screen and perform necessary procedures.
- The screenshots and screen messages shown in these instructions may differ slightly from those of the actual product.
- Software features and appearance are subject to change without notice.

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## For your safety

### Laser radiation

#### CLASS 1 LASER PRODUCT

- The printer of this unit utilises a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

#### Laser diode properties

Laser output : Max. 15 mW

Wavelength : 760 nm – 800 nm

Emission duration : Continuous

### LED light

#### CLASS 1 LED PRODUCT

- When using the unit, do not look directly at the CIS's LED light. Direct eye exposure can cause eye damage.

#### CIS's LED light properties

LED radiation output : Max. 1 mW

Wavelength :

Red : 630 nm typical

Green : 520 nm typical

Blue : 465 nm typical

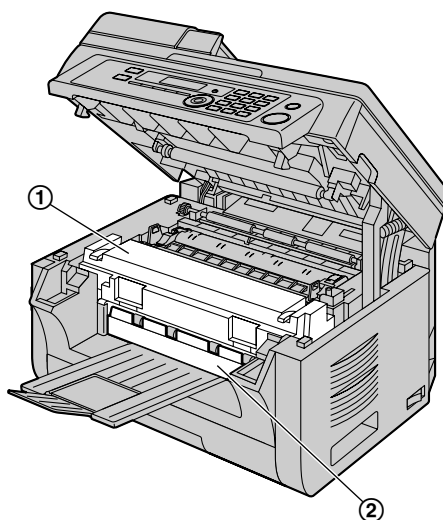
Emission duration : Continuous

### Fuser unit

- During or immediately after printing, the fuser unit (①) gets hot. This is normal. Do not touch the fuser unit.

### Note:

- The area near the output tray (②) may also get warm. This is normal.



## For best performance

### Toner cartridge and drum cartridge

- When replacing the toner cartridge or drum cartridge, do not allow dust, water, or liquids to come in contact with the drum. This may affect print quality.
- For optimal performance, genuine Panasonic toner cartridges and drum cartridges are recommended. We cannot be responsible for problems that may be caused by a non-Panasonic toner cartridge or drum cartridge:
  - Damage to the unit
  - Poor print quality
  - Improper operation

### Toner cartridge

- Do not leave the toner cartridge out of the protective bag for a long time. It will affect the printing quality.

### Drum cartridge

- Read the instructions on page 10 before you begin installation of the drum cartridge. The drum cartridge contains a photosensitive drum. Exposing it to light may damage the drum.
  - Do not expose the drum cartridge to light for more than 5 minutes.
  - Do not touch or scratch the black drum surface.
  - Do not place the drum cartridge near dust or dirt, or in a high humidity area.
  - Do not expose the drum cartridge to direct sunlight.
- To extend the life of the drum cartridge, the power switch should never be turned OFF immediately after printing. Leave the power turned ON for a minimum of 30 minutes after printing.

## Important Information

### Location

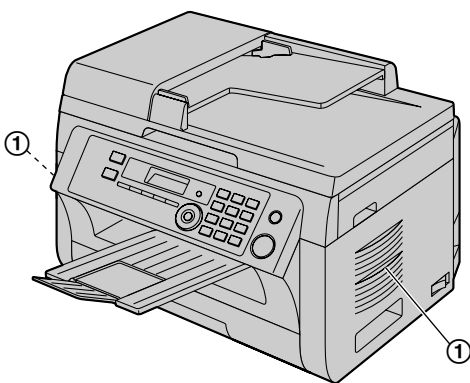
- To avoid malfunction, do not position the unit near appliances such as TVs or speakers which generate an intense magnetic field.

### Static electricity

- To prevent static electricity damage to the interface connectors or other electrical components inside the unit, touch a grounded metal surface before touching the components.

### Environment

- Keep the unit away from electrical noise generating devices, such as fluorescent lamps and motors.
- The unit should be kept free from dust, high temperature and vibration.
- The unit should not be exposed to direct sunlight.
- Do not place heavy objects on top of the unit. When you leave the unit unused for a long period of time, unplug this unit from the power outlet.
- The unit should be kept away from heat sources such as heaters, kitchen stoves, etc. Damp basements should also be avoided.
- Do not use this unit in places where the unit is subject to direct air from air-conditioners, ventilators, etc. The inside of the unit may become too warm, and cause the unit to deform.
- Do not poke the unit with a sharp object such as a pen. The area around the display is especially smooth and sensitive to scratches or rips in the smooth sheet.
- Do not cover slots or openings on the unit. Inspect the air circulation vents regularly and remove any dust build-up with a vacuum cleaner (①).

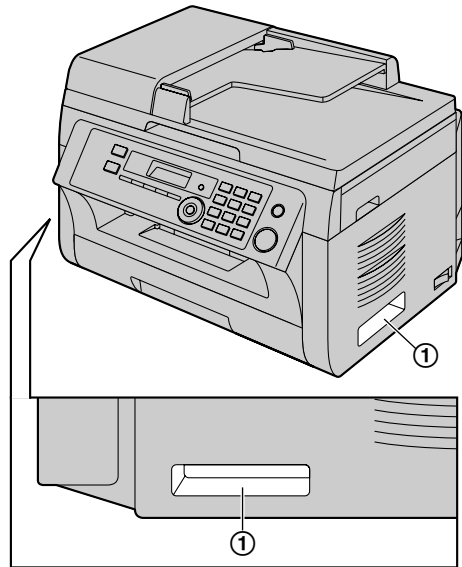


### Routine care

- Wipe the outer surface of the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder.

## Moving the unit

When moving the unit, hold by the grips (①) on both sides.



## Illegal copies

- **It is unlawful to make copies of certain documents.**

Copying certain documents may be illegal in your country/area. Penalties of fines and/or imprisonment may be imposed on those found guilty. The following are examples of items that may be illegal to copy in your country/area.

- Currency
- Bank notes and cheques
- Bank and government bonds and securities
- Passports and identification cards
- Copyright material or trademarks without the consent of the owner
- Postage stamps and other negotiable instruments

**This list is not inclusive and no liability is assumed for either its completeness or accuracy. In case of doubt, contact your legal counsel.**

### Notice:

- Install your machine near a supervised area to prevent illegal copies from being made.

## 1. Introduction and Installation

### Accessories

- 1.1 Supplied accessories .....7
- 1.2 Accessory information .....7

### Finding the Controls

- 1.3 Button descriptions .....8
- 1.4 Overview .....9

### Installation

- 1.5 Toner cartridge and drum cartridge .....10
- 1.6 Output tray .....13
- 1.7 Recording paper .....14

## 2. Preparation

### Connections and Setup

- 2.1 Connections .....17
- 2.2 Turning the power switch ON .....18
- 2.3 Dialling mode .....18
- 2.4 Selecting the operation mode (Scan/Copy/  
Fax) .....19

### Document Requirements

- 2.5 Setting the original .....19

### Volume

- 2.6 Adjusting the volume .....21

### Initial Programming

- 2.7 Date and time .....21
- 2.8 Your logo .....22
- 2.9 Your fax number .....22
- 2.10 Configuring the unit to access the LAN  
(KX-MB2090 only) .....23
- 2.11 Required computer environment .....24
- 2.12 Installing software (including printer, scanner  
and other drivers) .....24
- 2.13 Starting Multi-Function Station .....26

## 3. Printer

### Printer

- 3.1 Printing from Windows applications .....28
- 3.2 Easy Print Utility .....28

## 4. Scanner

### Scanner

- 4.1 Scanning from the unit (Push Scan) .....30
- 4.2 Scanning from a computer (Pull  
Scan) .....31

## 5. Copier

### Copy

- 5.1 Making a copy .....33
- 5.2 More copying features .....34

## 6. Fax

### Sending Faxes

- 6.1 Sending a fax manually .....39
- 6.2 Storing items for the one-touch dial feature and  
phonebook .....40
- 6.3 Sending a fax using one-touch dial feature and  
phonebook .....41

- 6.4 Broadcast transmission .....42
- 6.5 Sending an electronic document as a fax  
message from your computer .....44

### Receiving Faxes

- 6.6 Selecting the way to use your unit .....44
- 6.7 Receiving a fax automatically – Auto answer  
ON .....45
- 6.8 Receiving a fax manually – Auto answer  
OFF .....46
- 6.9 Using the unit with an answering  
machine .....48
- 6.10 Receive polling (retrieving a fax placed on  
another fax machine) .....48
- 6.11 Junk fax prohibitor (preventing fax reception  
from undesired callers) .....49
- 6.12 Receiving a fax on your computer .....50
- 6.13 Web fax preview (KX-MB2090, LAN  
connection only) .....51

## 7. Caller ID

### Caller ID

- 7.1 Caller ID service .....52
- 7.2 Viewing and calling back using caller  
information .....52
- 7.3 Editing a caller's telephone number before  
calling back/storing .....52
- 7.4 Erasing caller information .....53
- 7.5 Storing caller information .....53

## 8. Distinctive Ring

### Distinctive Ring

- 8.1 Distinctive Ring service .....54
- 8.2 Using two or more phone numbers on a single  
telephone line .....54
- 8.3 Using three or more phone numbers on a single  
telephone line .....54
- 8.4 Programming the ring pattern assigned for  
fax .....54

## 9. Programmable Features

### Features Summary

- 9.1 Programming from the unit .....55
- 9.2 Programming through a web browser  
(KX-MB2090 only) .....72

## 10. Useful Information

### Useful Information

- 10.1 Character entry .....76
- 10.2 Status of the unit .....77
- 10.3 Cancelling the operations .....78
- 10.4 Mode restriction .....78
- 10.5 Storing email address using the unit  
(KX-MB2090 only) .....80

### Telephone

- 10.6 Handset unit .....80
- 10.7 Making a phone call using one-touch dial  
feature or phonebook .....81

## 11. Help

### Reports and Displays

- 11.1 Report messages .....83
- 11.2 Display messages .....84
- 11.3 Network status codes (KX-MB2090, LAN connection only) .....88

### Troubleshooting

- 11.4 When a function does not work .....89

## 12. Paper Jams

### Jams

- 12.1 Recording paper jam .....98
- 12.2 Document jams (Automatic document feeder) .....103

## 13. Cleaning

### Cleaning

- 13.1 Cleaning the white plates and glass .....105
- 13.2 Cleaning the document feeder rollers .....108

## 14. General Information

### Printed Reports

- 14.1 Reference lists and reports .....109

### Specifications

- 14.2 Specifications .....109

### Copyrights

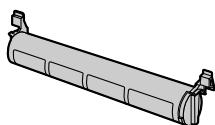
- 14.3 Information of copyrights and licences (KX-MB2090 only) .....112

## 15. Index

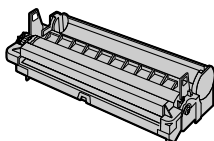
- 15.1 Index.....118

## 1.1 Supplied accessories

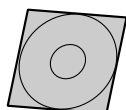
- ① Toner cartridge (starter)\*<sup>1</sup>



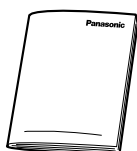
- ② Drum cartridge



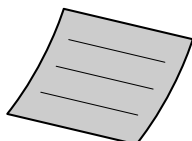
- ③ CD-ROM (including driver for printer etc.)



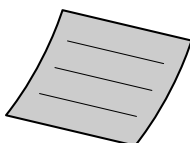
- ④ Important information guide



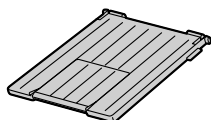
- ⑤ Quick installation guide



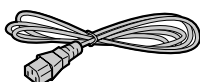
- ⑥ Operation panel guide\*<sup>2</sup>



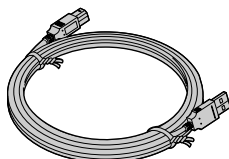
- ⑦ Output tray



- ⑧ Power cord\*<sup>3</sup>



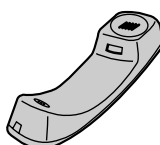
- ⑨ USB cable



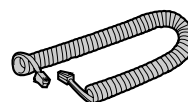
- ⑩ Telephone line cord



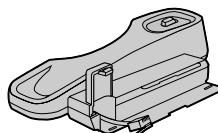
- ⑪ Handset



- ⑫ Handset cord



- ⑬ Handset cradle



\*<sup>1</sup> Prints approximately 700 pages in accordance with ISO/IEC 19752 standard page (KX-MB2085CX/KX-MB2085ML/KX-MB2090CX/KX-MB2090ML only).

\*<sup>2</sup> KX-MB2085CX/KX-MB2090CX only

\*<sup>3</sup> Use the supplied cord that is appropriate for where you use this unit.

### Note:

- Save the original carton and packing materials for future shipping and transportation of the unit.
- After unpacking the product, take care of the packing materials and/or power plug cap appropriately.

## 1.2 Accessory information

To ensure that the unit operates properly, we recommend the use of Panasonic toner and drum cartridges.

### ■ Replacement accessory

#### – Toner cartridge

- **Model No. (Part No.): KX-FAT411E**
- Prints approximately 2,000 pages in accordance with ISO/IEC 19752 standard page.

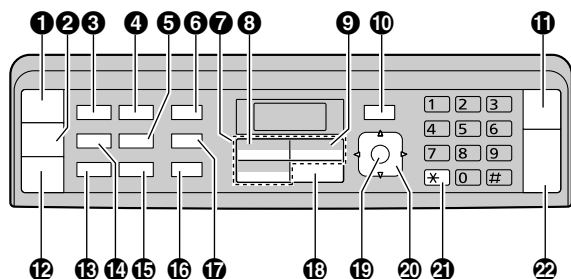
#### – Drum cartridge

- **Model No. (Part No.): KX-FAD412E**

### Note:

- ISO/IEC 19752 standard is as follows:
  - Environment: 23 ± 2 °C / 50 ± 10% RH
  - Print mode: Continuous printing

### 1.3 Button descriptions



#### 1 [SCAN]

- To switch to the scan mode (page 19, 30).

#### 2 [COPY]

- To switch to the copy mode (page 19, 33).

#### 3 [RESOLUTION]

- To select the resolution when copying (page 33).
- To select the resolution when sending a fax (page 39).

#### 4 [CONTRAST]

- To select the contrast when copying (page 33).
- To select the contrast when sending a fax (page 39).

#### 5 [PAGE LAYOUT]

- To make copies using various page layouts (page 35).

#### [CALLER ID]

- To use Caller ID features (page 52).

#### 6 [REDIAL]

- To redial the last number dialed. If the line is busy when you make a phone call using the [MONITOR] button, or when you send a fax, the unit will automatically redial the number 2 or more times.

#### [PAUSE]

- To insert a pause during dialling.

#### 7 Station keys

- To use the one-touch dial feature (page 40, 41).

#### 8 [BROADCAST]

- To send a document to multiple parties (page 42).

#### 9 [MANUAL BROAD]

- To send a document to multiple parties by using the dial keypad (page 42).

#### 10 [MENU]

- To start or exit programming.

#### 11 [STOP]

- To stop an operation or programming session.

- To erase a character/number.

#### 12 [FAX]

- To switch to the fax mode (page 19, 39).

#### 13 [ZOOM]

- To enlarge or reduce a document when copying (page 34).

#### [QUICK SCAN]

- To store a scanned document into memory, and then send it (page 40).

#### 14 [COPY SIZE]

- To select the copy size (page 33).

#### [PHONEBOOK]

- To search for a stored item (page 41).
- To initiate the phonebook (page 40, 43).

#### 15 [FAX AUTO ANSWER]

- To turn the auto answer setting ON/OFF (page 45).

#### 16 [MONITOR]

- To initiate dialling.

When you press [MONITOR] while receiving a call, you will be able to hear the other party, but the other party will not be able to hear you.

#### 17 [FLASH]

- To access special telephone services or for transferring extension calls.

#### 18 [LOWER]

- To select station 4-6 for the one-touch dial feature (page 40, 41).

#### 19 [SET]

- To store a setting during programming.

#### 20 Navigator key

- To select desired settings.
- To adjust the volume (page 21).

#### [☞] (Phonebook)

- To search for a stored item (page 41).
- To initiate the phonebook (page 40, 43).

#### [⌘] (Collate)

- To make a collate copy (page 34).

#### 21 [Tone]

- To change from pulse to tone temporarily during dialling when your line has rotary/pulse service.

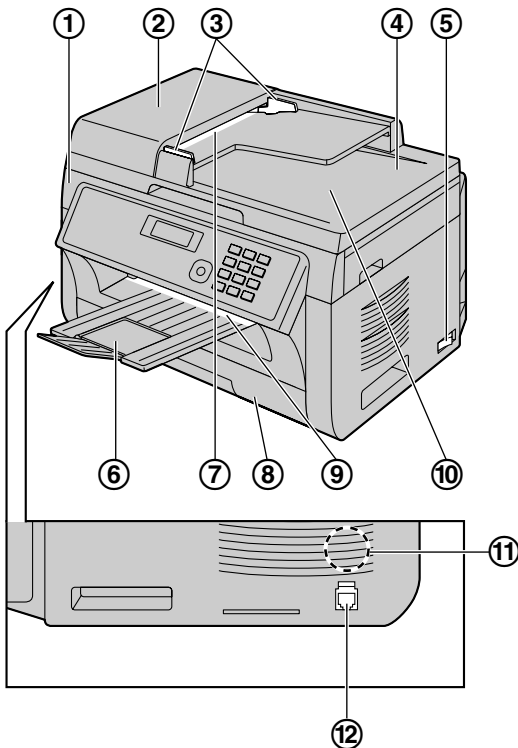
#### 22 [START]

- To copy a document (page 33).
- To scan a document (push scan) (page 30).
- To send a fax (page 39).



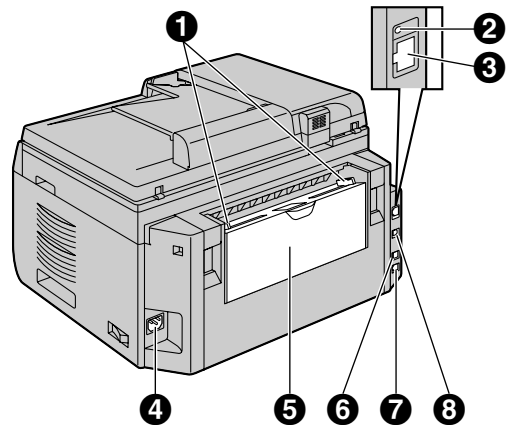
## 1.4 Overview

### 1.4.1 Front view



- ① Top cover
- ② ADF (Automatic Document Feeder) cover
- ③ Document guides
- ④ Document cover
- ⑤ Power switch
- ⑥ Output tray
- ⑦ Document entrance
- ⑧ Paper input tray
- ⑨ Recording paper exit
- ⑩ Document exit
- ⑪ Speaker
- ⑫ Handset unit connection jack

### 1.4.2 Rear view



- ① Recording paper guides
- ② LED (KX-MB2090 only)
- ③ LAN interface connector (KX-MB2090 only)
  - 10Base-T/100Base-TX
- ④ Power inlet
- ⑤ Manual input tray (Rear cover)
- ⑥ External telephone jack
- ⑦ Telephone line jack
- ⑧ USB interface connector

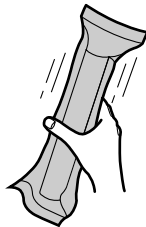
### 1.5 Toner cartridge and drum cartridge

The supplied toner cartridge is a starter toner cartridge.

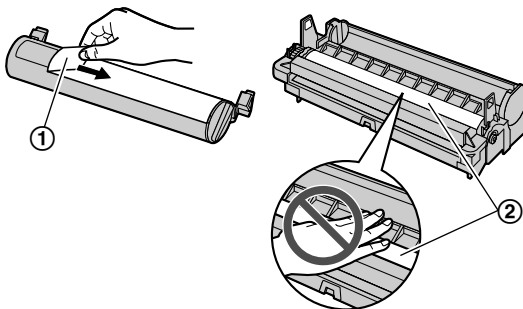
#### Caution:

- Read the following instructions before you begin installation. The drum cartridge contains a photosensitive drum. Exposing it to light may damage the drum.
  - Do not expose the drum cartridge to light for more than 5 minutes.
  - Do not touch or scratch the black drum surface inside of the drum cartridge.
  - Do not place the drum cartridge near dust or dirt, or in a high humidity area.
  - Do not expose the drum cartridge to direct sunlight.
- Do not leave the toner cartridge out of the protective bag for a long time. It will affect the printing quality.
- We cannot be responsible for any damage to the unit or degradation of print quality which may occur from the use of a non-Panasonic toner and drum cartridges.
- Do not add toner to the toner cartridge.

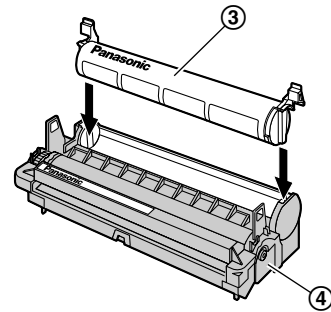
- 1 Before opening the protective bag of the new toner cartridge, shake it vertically more than 5 times.



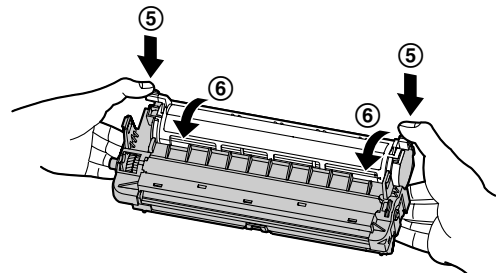
- 2 Remove the toner cartridge and drum cartridge from the protective bags. Peel off the seal (①) from the toner cartridge.
  - Do not touch or scratch the black drum surface (②).



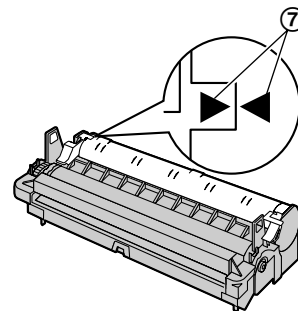
- 3 Place the toner cartridge (③) into the drum cartridge (④) vertically.



- 4 Press down the toner cartridge firmly (⑤). Keep pressing while turning the green lever on each side of the toner cartridge towards you (⑥).



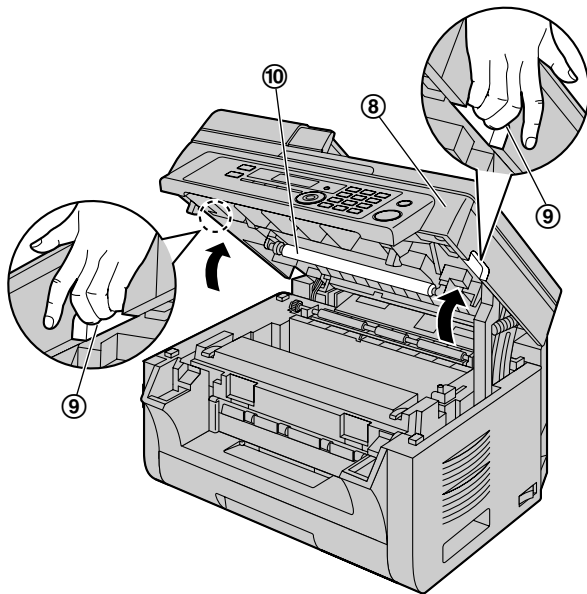
- 5 Make sure that the arrows (⑦) match, to install the toner cartridge correctly.



- 6** Open the top cover (⑧) by holding the indentations (⑨) on both sides of the unit.

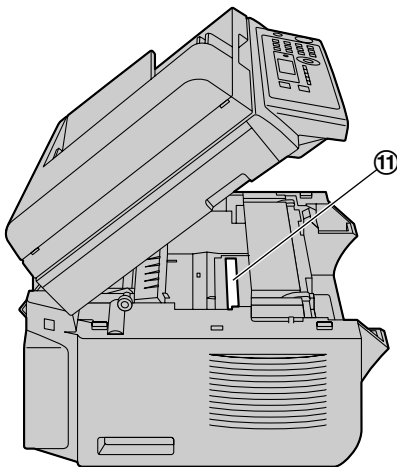
**When replacing the toner cartridge:**

- If the unit is in sleep mode, press a key to standby the unit for the next process.

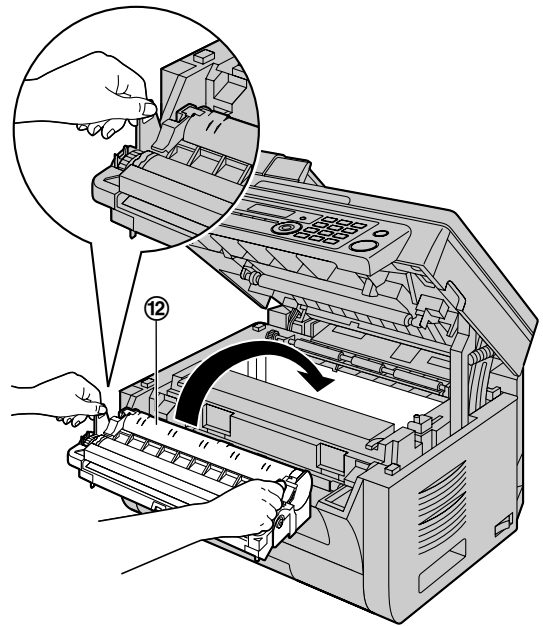


**Note:**

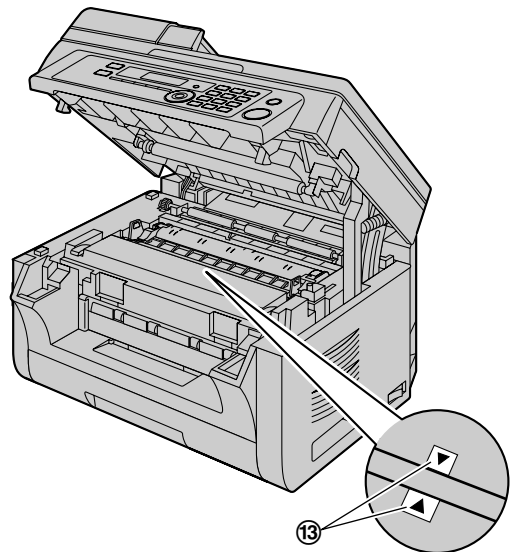
- Do not touch the transfer roller (⑩).
- If the lower glass (⑪) is dirty, clean it with a soft and dry cloth.



- 7** Install the drum and toner cartridge (⑫) by holding the tabs.

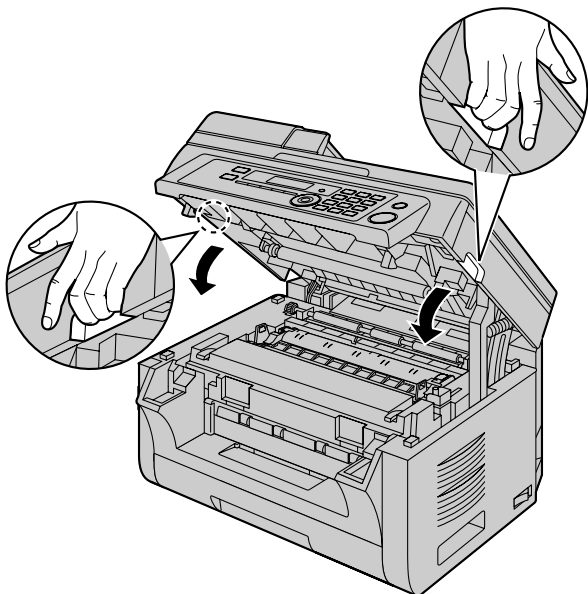


- Make sure that the arrows (⑬) match, to install the drum and toner cartridge correctly.



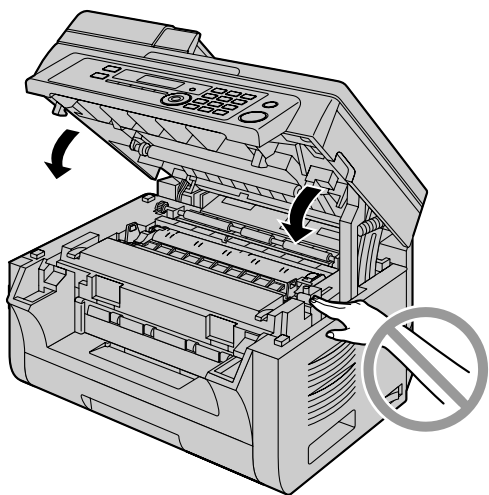
## 1. Introduction and Installation

- 8 Close the top cover by holding the indentations on both sides of the unit, until locked.



### Caution:

- To prevent injuries, be careful not to put your hands under the top cover.



### When to replace the toner cartridge and drum cartridge

When the display shows the following, replace the toner cartridge.

- “TONER EMPTY”

When the display shows the following, the toner cartridge is coming to the end of its useful life. Please be prepared to replace the cartridge soon.

- “TONER LOW”

When the display shows the following, replace the drum cartridge.

- “DRUM LIFE LOW”
- “DRUM LIFE OVER”

### Toner cartridge life and drum cartridge life

- See page 111 for information on the toner life and drum life.
- To check the drum life and quality, please print the printer test list (page 109) and refer to page 111 for information on the drum life. If the printing quality is still poor or “DRUM LIFE OVER” appears on the display, replace the toner cartridge and drum cartridge.
- To maintain print quality and machine life, we recommend that you clean slots and openings (page 4) and the inside of the unit (page 105, 108) when replacing the toner cartridge and/or drum cartridge.

### Note:

- To ensure that the unit operates properly, we recommend the use of **Panasonic toner cartridge and drum cartridge**. See page 7 for accessory information.

### Waste disposal method

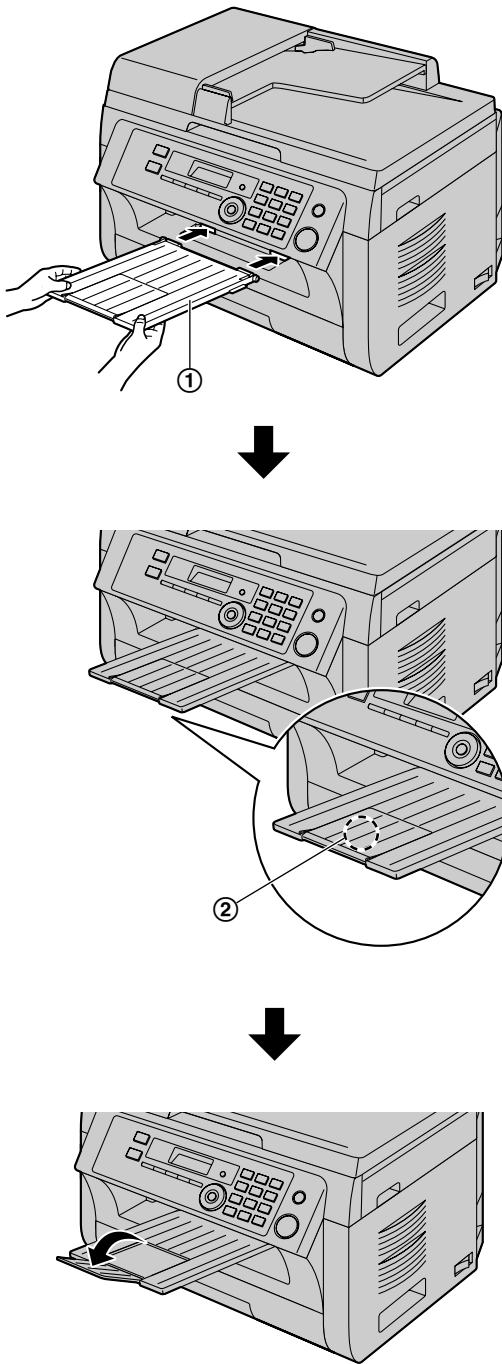
Waste material should be disposed of under conditions which meet all national and local environmental regulations.

### Toner save feature

If you want to reduce toner consumption, set the toner save setting to ON (feature #482 on page 59). The toner cartridge will last approximately 20 % longer. This feature may lower the print quality.

### 1.6 Output tray

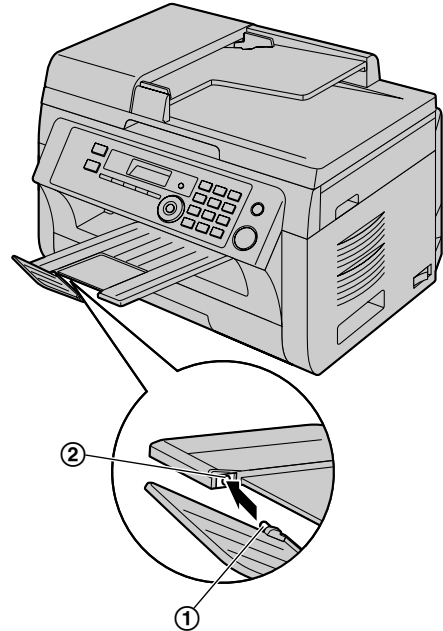
Insert the output tray extender (①) until it clicks into place, and then press the centre part (②) of the extender to open it.



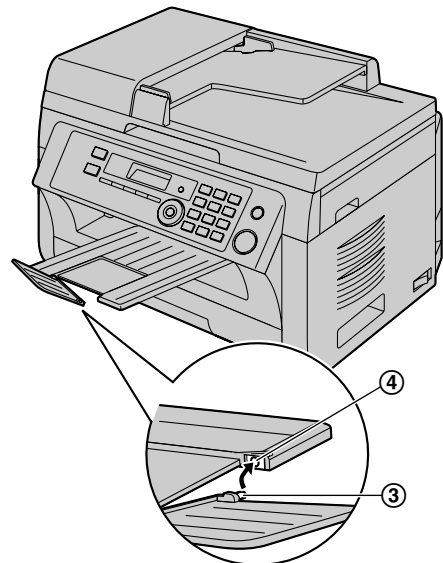
vary depending on the usage environment). Remove the printed paper before the output tray becomes full.

#### If the top part of the extender is detached

1. With the top part of the extender in the open position, insert the tab (①) into the left hole (②) of the extender.



2. Slide the other tab (③) into the right hole (④) of the extender from below until it clicks into place.



#### Note:

- Do not place the unit in an area where the output tray may be easily bumped into.
- The output tray can hold up to approximately 100 sheets of printed paper (the number of sheets may

### 1.7 Recording paper

The paper input tray unit can hold:

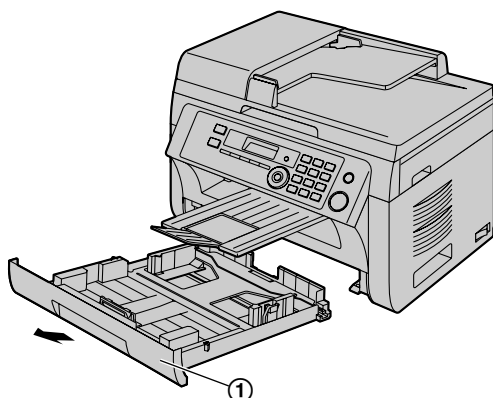
- Up to 250 sheets of 60 g/m<sup>2</sup> to 75 g/m<sup>2</sup> paper.
- Up to 230 sheets of 80 g/m<sup>2</sup> paper.
- Up to 200 sheets of 90 g/m<sup>2</sup> paper.
- A4, letter, B5 and 16K-size paper can be used. B5 and 16K-size paper can only be used when using the unit for printing or copying.
- Please refer to page 110 for information on recording paper.
- **The unit is set for printing A4-size plain paper by default.**
  - **To use other paper sizes, change the recording paper size setting (feature #380 on page 58).**
  - **To use other paper types, change the recording paper type setting (feature #383 on page 58).**

#### Note for recording paper:

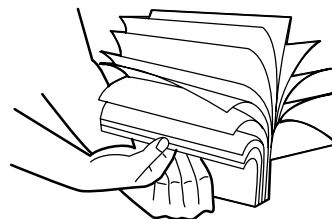
- We recommend that you test paper (especially special sizes and types of paper) on the unit before purchasing large quantities.
- Do not use the following types of paper:
  - Paper with cotton and/or fibre content that is over 20 %, such as letterhead paper or paper used for resumes
  - Extremely smooth or shiny paper, or paper that is highly textured
  - Coated, damaged or wrinkled paper
  - Paper with foreign objects attached, such as tabs or staples
  - Paper that has dust, lint or oil stains
  - Paper that will melt, vaporize, discolour, scorch or emit dangerous fumes near 200 °C, such as vellum paper. These materials may transfer onto the fusing roller and cause damage.
- Moist paper
- Inkjet paper
- Some paper is designed to be printed on only one side. Try printing on the other side of the paper if you are not happy with the print quality, or if misfeeding occurs.
- For proper paper feeding and best print quality, we recommend using long-grained paper.
- Do not use paper of different types or thicknesses at the same time. This may cause paper jams.
- Avoid double-sided printing.
- Do not re-use paper printed from this unit for another printing job (including other copiers or printers). This may cause paper jams.
- To avoid curling, do not open paper packs until you are ready to use the paper. Store unused paper in the original packaging, in a cool and dry location.
- For customers who live in high humidity areas: Please be sure to store paper in an air-conditioned

room at all times. If you print using moist paper, it may cause paper jam.

- 1 Pull the paper input tray (①) until it clicks into place, then pull it completely out, lifting the front part of the tray.



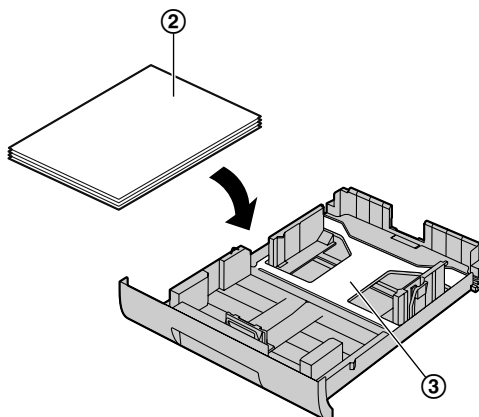
- 2 Before loading a stack of paper, fan the paper to prevent paper jams.



- 3 Load the paper, print-side up (②).

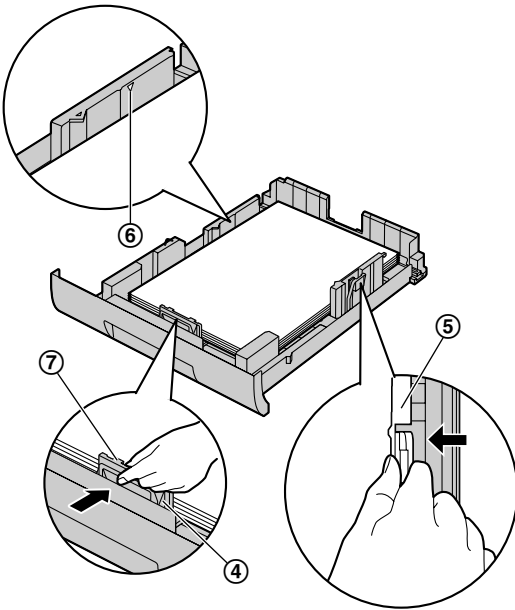
#### Important:

- **Push down to lock the plate (③) in the paper input tray, if necessary.**

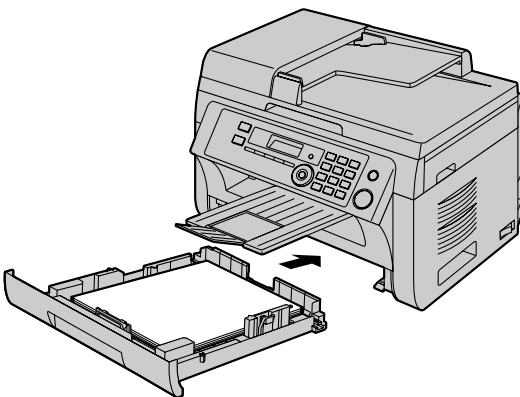




- 4 Adjust the recording paper guides. Pinch the front side of the recording paper guide (④), then slide it to match the paper size mark. Pinch the right side of the recording paper guide (⑤), then slide it to adjust the width to the size of the recording paper.
- Make sure that the recording paper is under the paper limit mark (⑥), and the paper should not be loaded over the snubbers (⑦).



- 5 Insert the paper input tray into the unit, lifting the front part of the tray. Then push it completely into the unit.

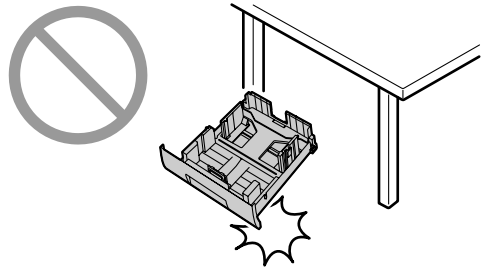


**Note:**

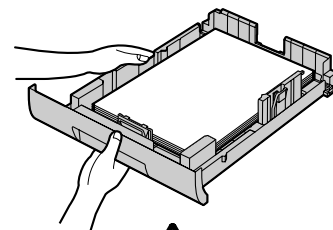
- If the paper is not loaded correctly, re-adjust the paper guides, or the paper may jam.
- If the paper input tray does not close, the plate in the paper input tray may not be in the locked position. Push the paper down and make sure that the paper is laying flat in the paper input tray.

**Caution for the paper input tray**

- Do not drop the paper input tray.



- Hold the paper input tray with both hands when removing or installing. The paper input tray weighs approximately 2 kg when fully loaded with recording paper.



**Approx. 2 kg**

## 1.7.1 Manual input tray

You can use the manual input tray for printing with the computer and for copying. When printing or copying multiple sheets, add the next sheet after the first sheet has been fed into the unit.

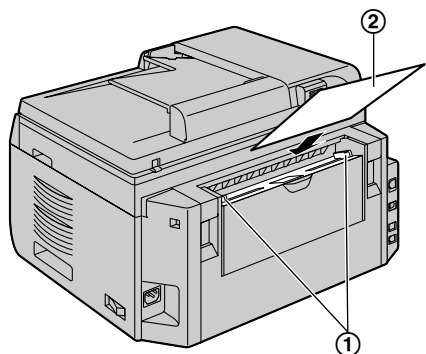
- Please refer to page 110 for information on recording paper.
- When printing from a computer, custom size recording paper can also be used (page 28).
- The unit is set for printing A4-size plain paper by default.**
  - To use other paper sizes, change the recording paper size setting (feature #381 on page 58).
  - To use other paper types, change the recording paper type setting (feature #384 on page 58).

- 1 Adjust the width of the guides (①) to the size of the recording paper.
- If the unit is in sleep mode, press a key to standby the unit for the next process.

## 1. Introduction and Installation

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- 2 Insert the paper, print-side down (②) until the unit grasps the paper and a single beep is heard.



**Note:**

- To print from the manual input tray;
  - when printing with the computer, select #2 for the printer properties.
  - when making a copy, set the copy input tray setting to “#2” beforehand (feature #460 on page 66).

If these settings are not changed, when printing or copying multiple pages, the 1st page will be printed from the manual input tray, but the rest of the pages will be printed from the paper input tray.

- If the paper is not inserted correctly, re-adjust the paper, or the paper may jam.



## 2.1 Connections

**Designed to be used in Middle East, Asia, Tunisia and Africa according to the location setting feature (KX-MB2085CX/KX-MB2090CX only).**

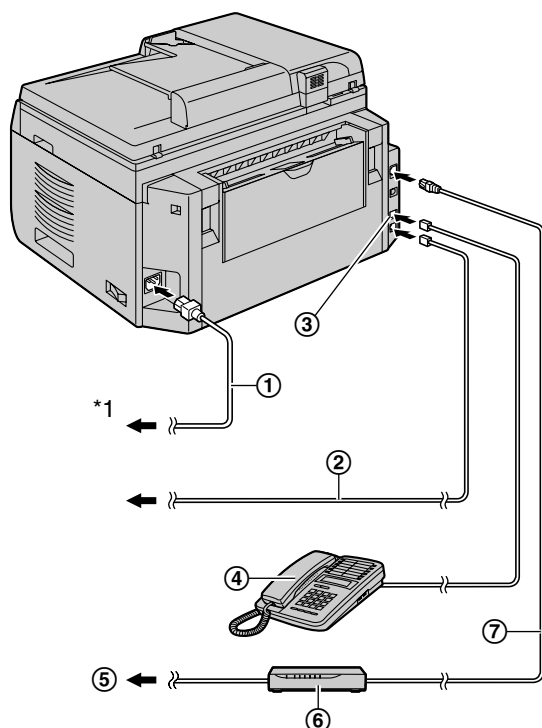
The default setting is Middle East. To change the location setting, see page 55 (feature #114).

### Caution:

- When you operate this product, the power outlet should be near the product and easily accessible.
- Be sure to use the telephone line cord supplied with this unit.
- Do not extend the telephone line cord.

### Important:

- See page 80 to connect the handset unit.



- ① Power cord
  - Connect to a power outlet (220-240 V, 50/60 Hz).
- ② Telephone line cord
  - Connect to a single telephone line jack.
- ③ [EXT] jack
  - You can connect an answering machine or an extension telephone. Remove the stopper if attached, and take care of it appropriately.
- ④ Answering machine (not supplied)
- ⑤ To the Internet<sup>\*2</sup>

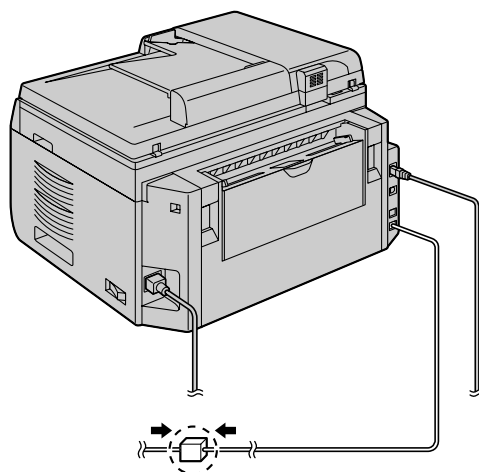
- ⑥ Network router/Network hub (not supplied)<sup>\*2</sup>
    - Also connect networked computers.
  - ⑦ LAN cable (not supplied)<sup>\*2</sup>
    - To assure continued emission limit compliance, use only shielded LAN cable (Category 5 (Cat-5) Ethernet cable).
- \*1 The power cord may differ slightly. Use the appropriate power cord for where you use the unit.
- \*2 KX-MB2090 only

### IMPORTANT NOTICE FOR THE USB CONNECTION

- DO NOT CONNECT THE UNIT TO A COMPUTER WITH THE USB CABLE UNTIL PROMPTED TO DO SO DURING THE SETUP OF MULTI-FUNCTION STATION (page 24).

### Note:

- Do not place any objects within 10 cm of the right, left and back sides of the unit.
- If another device is connected to the same telephone line as this unit, you may experience unexpected problems as this unit is not designed to share a telephone line.
- If you use the unit with a computer and your internet provider instructs you to install a filter, please connect it as follows.



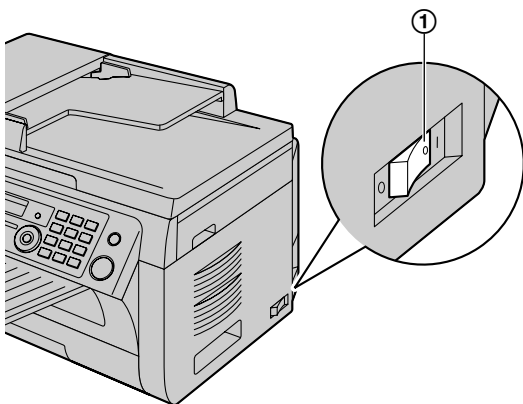
### Using network router/network hub (KX-MB2090 only)

- We recommend using network routers/network hubs under secure network environments. Consult your network administrator for firewall settings, etc.
- The warranty does not cover damage due to security problems or any inconveniences relating to it.

## 2. Preparation

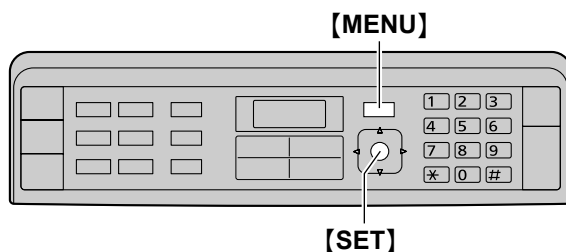
### 2.2 Turning the power switch ON

Turn the power switch to the ON position (①).



### 2.3 Dialling mode

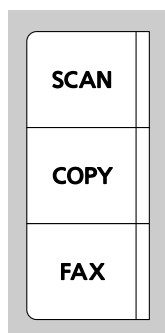
If you cannot dial (page 39), change this setting according to your telephone line service.



- 1 **[MENU]**
- 2 Press **[\*][1][2][0]** to display "DIALLING MODE".
- 3 Press **[1]** or **[2]** to select the desired setting.  
**[1]** "PULSE": For rotary/pulse dial service.  
**[2]** "TONE" (default): For tone dial service.
- 4 **[SET]**
- 5 Press **[MENU]** to exit.

## 2.4 Selecting the operation mode (Scan/Copy/Fax)

You can select the desired mode by pressing one of the following buttons.



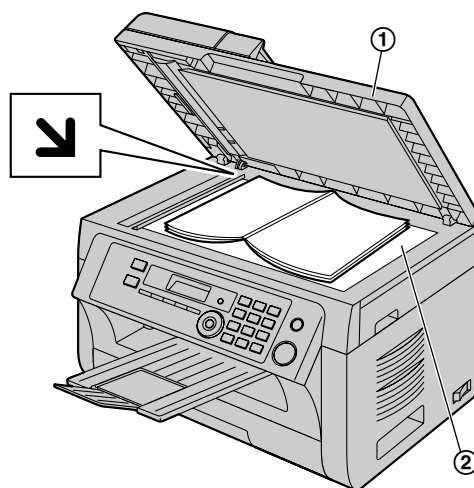
- **[SCAN]:** Select this mode when using the unit as a scanner (page 30).
- **[COPY]:** Select this mode when using the unit as a copier (page 33).
- **[FAX]:** Select this mode when using the unit as a fax machine (page 39).

### Note:

- The default operation mode is the copy mode.
- You can change the default operation mode (feature #463 on page 59) and the timer before returning to the default operation mode (feature #464 on page 59).

## 2.5 Setting the original

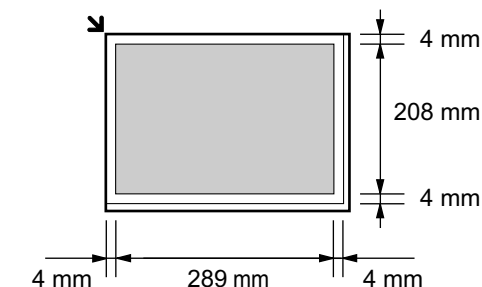
### 2.5.1 Using the scanner glass



- 1** Open the document cover (①).
- 2** Place the document **FACE DOWN** on the scanner glass (②), aligning the top left of the document with the corner where the ➤ mark is positioned.
- 3** Close the document cover.

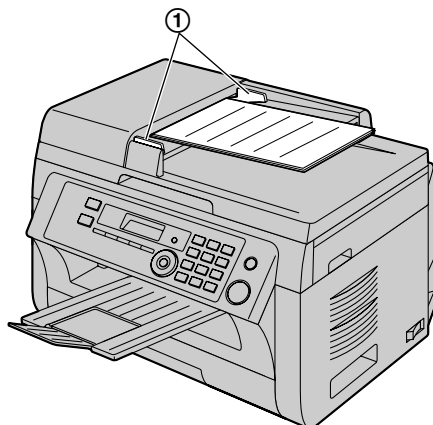
### Note:

- Confirm that there are no documents in the automatic document feeder.
- Place the original onto the scanner glass gently. To avoid malfunction, do not press down too firmly.
- If the original is a thick book, do not close the document cover.
- Confirm that any ink, paste or correction fluid has dried completely.
- Effective scanning area is shown by the shaded area:



## 2. Preparation

### 2.5.2 Using the automatic document feeder

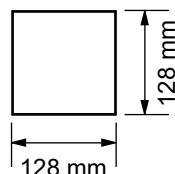


- 1 Insert the document (up to 20 pages) FACE UP into the feeder until a single beep is heard.
- 2 Adjust the width of the document guides (①) to fit the actual size of the document.

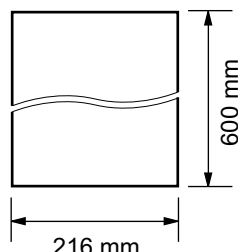
#### Note:

- Confirm that there are no documents on the scanner glass.
- Confirm that any ink, paste or correction fluid has dried completely.
- Remove clips, staples or other fasteners.
- Do not insert the following types of documents (Make a copy of the document using the scanner glass and set the copy instead.):
  - Chemically treated paper such as carbon or carbonless duplicating paper
  - Electrostatically charged paper
  - Badly curled, creased or torn paper
  - Paper with a coated surface
  - Paper with printing on the opposite side that can be seen through the other side, such as newsprint
- The total height of the documents when laid flat, must be less than 4 mm. If the documents exceed the capacity of the automatic document feeder, they may fall or cause a jam in the feeder.
- To set a document with a width of less than 210 mm, we recommend using the scanner glass to copy the original document onto A4 or letter-size paper, then setting the copied document for better results.
- Do not set documents that do not satisfy the requirements of size and weight. Make a copy of the document using the scanner glass and set the copy.
- Available document size, document weight and effective scanning area are as follows:

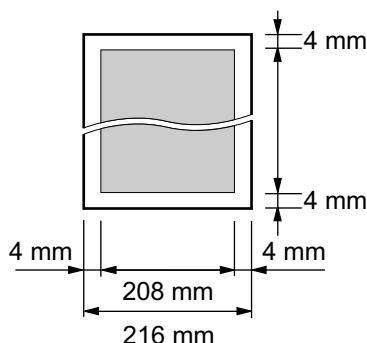
#### Minimum document size



#### Maximum document size



#### Effective scanning area



- Shaded area will be scanned.
- When using the unit as a scanner (page 30, 31), the effective scanning length depends on the selected paper size.

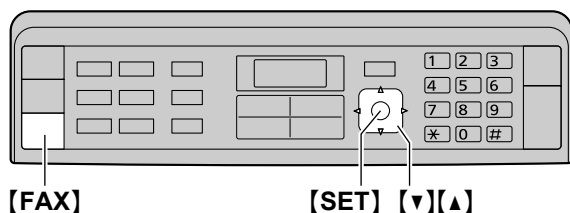
#### Document weight

- Single sheet:  
60 g/m<sup>2</sup> to 80 g/m<sup>2</sup>
- Multiple sheets:  
60 g/m<sup>2</sup> to 80 g/m<sup>2</sup>

## 2.6 Adjusting the volume

### Important:

- Before adjusting the volume, set the operation mode to fax mode. If the **[FAX]** light is OFF, turn it ON by pressing **[FAX]**.



### Ringer volume

While the unit is idle, press **[▼]** or **[▲]**.

### To turn the ringer OFF

Press **[▼]** repeatedly to display "RINGER OFF= OK?".  
→ **[SET]**

- The unit will not ring.
- To turn the ringer back ON, press **[▲]**.

### Handset receiver volume

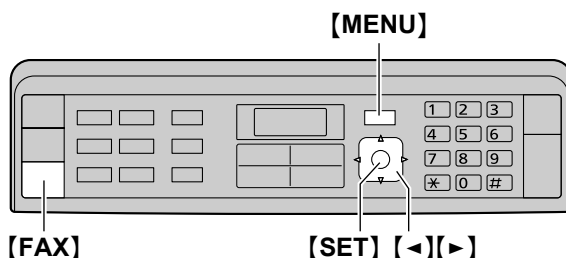
While using the handset, press **[▼]** or **[▲]**.

### Monitor volume

While using the monitor, press **[▼]** or **[▲]**.

## 2.7 Date and time

We recommend you to set the date and time. The other party will receive your unit's date and time as the header information.



- [MENU]** → **[#][1][0][1]** → **[SET]**
- Enter the current date/month/year by selecting 2 digits for each.  
**Example: 3 August, 2013**  
**[0][3] [0][8] [1][3]**
- Enter the current hour/minute by selecting 2 digits for each.  
**Example: 10:15 PM (12 hour clock format)**
  - [1][0] [1][5]**
  - Press **[\*]** repeatedly to select "PM".  
Press **[\*]** repeatedly to select "AM" or "PM", or 24-hour time entry.
- [SET]**
- Press **[MENU]** to exit.

### Note:

- To check the current date and time setting, press **[FAX]** to temporarily change the unit to the fax mode.
- Your unit's date and time will be used as the header information for the following:
  - When sending as an attached file to an email destination directly from this unit (Scan to email address) (page 30) (KX-MB2090 only).
  - When sending faxes (page 39).
- If the date and time is not set correctly, the other party will receive an incorrect date and time as their header. This may confuse the other party.

### To correct a mistake

Press **[◀]** or **[▶]** to move the cursor to the incorrect number, and make the correction.

### If you have subscribed to a Caller ID service

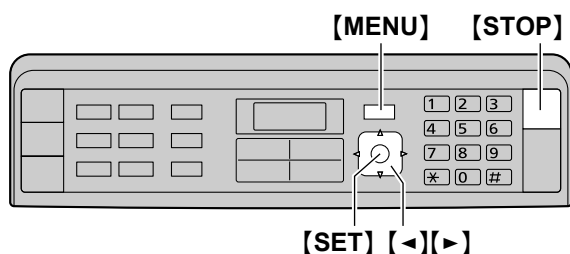
The date and time will be automatically set according to the received caller information.

- To use this feature, make sure the time adjustment is set to "AUTO" (feature #226 on page 58).
- If the time has not previously been set, Caller ID will not adjust the clock.

## 2. Preparation

### 2.8 Your logo

You can program your logo (name, company name, etc.) so that it appears on the top of each page sent.



- 1 **[MENU]** → **[#][1][0][2]** → **[SET]**
- 2 Enter your logo, up to 30 characters (see page 76 for character entry). → **[SET]**
- 3 Press **[MENU]** to exit.

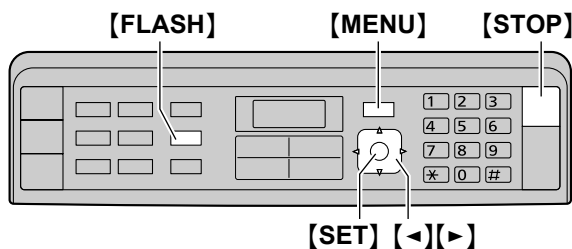
#### To correct a mistake

Press **[<]** or **[>]** to move the cursor to the incorrect character, and make the correction.

- To erase all characters, press and hold **[STOP]**.

### 2.9 Your fax number

You can program your fax number so that it appears on the top of each page sent.



- 1 **[MENU]** → **[#][1][0][3]** → **[SET]**
- 2 Enter your fax number, up to 20 digits.
  - To enter a "+", press **[\*]**.
  - To enter a space, press **[#]**.
  - To enter a hyphen, press **[FLASH]**.
  - To erase a number, press **[STOP]**.
- 3 **[SET]**
- 4 Press **[MENU]** to exit.

#### To correct a mistake

Press **[<]** or **[>]** to move the cursor to the incorrect number, and make the correction.

- To erase all numbers, press and hold **[STOP]**.

## 2.10 Configuring the unit to access the LAN (KX-MB2090 only)

You can print documents, scan documents, receive faxes or send faxes using a computer connected to the LAN. To enable these features, you need to set the IP address, subnet mask, and default gateway in the unit.

### Important:

- **Consult your network administrator when setting the IP address, subnet mask, and default gateway.**

### 2.10.1 Setting up automatically with a DHCP server

#### Your situation:

- When only one unit is connected to the LAN.

If your network administrator manages the network with a DHCP (Dynamic Host Configuration Protocol) server, it will automatically assign an IP (Internet Protocol) address, subnet mask, and default gateway to the unit.

- 1 After connecting the LAN cable to the unit and the computer, turn the power switch ON.
  - The IP address, subnet mask, and default gateway will be set automatically.
- 2 Install Multi-Function Station on the computer that you want to use it with. See page 24 for details.

#### Note:

- You can connect two or more units and assign IP addresses automatically with a DHCP server, but we recommend assigning static IP addresses manually for each unit to avoid network access and configuration troubles.

### 2.10.2 Setting up manually

#### Your situation:

- When your network administrator does not manage the network with a DHCP server.
  - When two or more units are connected to the LAN.
- You need to assign an IP address, subnet mask, and default gateway manually.

#### 1 [MENU]

- 2 Press [**#**][**5**][**0**][**0**] to display “DHCP”.

- 3 Press [**0**] to select “DISABLED”. → [SET]

- 4 Set each item.

#### For the IP address:

1. Press [**5**][**0**][**1**] to display “IP ADDRESS”. → [SET]
2. Enter the IP address of the unit. → [SET]

#### For the subnet mask:

1. Press [**5**][**0**][**2**] to display “SUBNET MASK”. → [SET]

2. Enter the subnet mask of the network. → [SET]

#### For the default gateway:

1. Press [**5**][**0**][**3**] to display “DEFAULT GATEWAY”. → [SET]
2. Enter the default gateway of the network. → [SET]

- 5 Press [MENU] to exit.

- 6 Install Multi-Function Station on the computer that you want to use it with. See page 24 for details.

#### To correct a mistake in the IP address, subnet mask, or default gateway

Press [◀] or [▶] to move the cursor to the incorrect number, and make the correction.

### 2.11 Required computer environment

To use Multi-Function Station on your computer, the following are required:

**Operating System:**

Windows XP/Windows Vista/Windows 7/Windows 8

**CPU:**

Windows XP: Pentium® III or higher processor

Windows Vista/Windows 7/Windows 8: Pentium 4 or higher processor

**RAM:**

Windows XP: 128 MB (256 MB or more recommended)

Windows Vista: 512 MB (1 GB or more recommended)

Windows 7/Windows 8: 1 GB (2 GB or more recommended)

**Other Hardware:**

CD-ROM drive

Hard disk drive with at least 600 MB of available space

**Web browser (recommendation):**

Windows Internet Explorer® 6/7/8/9

Windows Internet Explorer 10 (with compatible mode recommended)

**Important:**

- **When using Windows Server® 2008/Windows Server 2012, only the printer driver can be supported. Install the printer driver using the Add Printer feature of Windows.**
- **With Mac OS X, only the printer driver, scanner driver (TWAIN/ICA) and PC fax (transmission) are supported. See the setup guide for Mac OS X for details.**
- **To assure continued emission limit compliance:**
  - use only shielded USB cable (Example: Hi-Speed USB 2.0 certified cable).
  - use only shielded LAN cable (Category 5 (Cat-5) Ethernet cable) (KX-MB2090 only).
- **To protect the unit, use only shielded USB cable in areas where thunderstorms occur.**

### 2.12 Installing software (including printer, scanner and other drivers)

Panasonic Multi-Function Station software enables the unit to carry out the following functions:

- Printing on plain paper, thin paper and labels
- Displaying the preview of the print image, changing the page order, deleting pages, and changing the print layout etc. before printing (Easy Print Utility)
- Scanning documents and converting an image into text with OCR software
- Scanning from other applications for Microsoft® Windows that support TWAIN scanning and WIA scanning (USB connection only)

- Storing, editing or erasing items in the phonebook using your computer
- Storing, editing or erasing items in the email address book using your computer (KX-MB2090 only)
- Programming the features using your computer
- Sending, receiving fax documents using your computer

- **Install Multi-Function Station (CD-ROM) before connecting the unit to a computer with the USB cable. If the unit is connected to a computer with the USB cable before installing Multi-Function Station, the [Driver Software Installation] dialogue box may appear. If this dialogue box appears, click [Close].**

- **Software features and appearance are subject to change without notice.**

- **If you are also using KX-MB200/KX-MB700/KX-FLB880 series, see page 97.**

- 1 Start Windows and exit all other applications.
  - You must be logged in as an administrator in order to install Multi-Function Station.
- 2 Insert the supplied CD-ROM into your CD-ROM drive.
  - If the [Select Language] dialogue box appears, select the language that you want to use with this software. Click [OK].
  - If the installation does not start automatically: Click [Start] → [All Programs] → [Accessories]. Choose [Run]. Type "D:\Install" (where "D" is the drive letter of your CD-ROM drive). Click [OK].  
(If you are not sure what the drive letter is for your CD-ROM drive, use Windows Explorer and look for the CD-ROM drive.)

**3 [Easy Installation]**

- The installation will start automatically.

**4** When the setup program starts, follow the on-screen instructions.

- The following applications will also be installed.
  - Easy Print Utility (page 28)
  - OCR software (page 30)
  - Device Monitor (page 77)

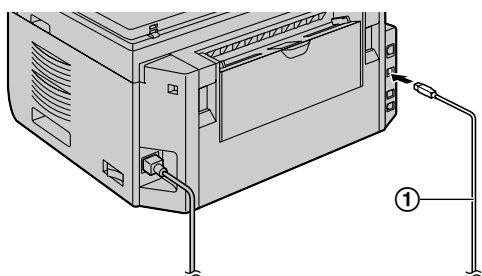
**5** The [Connection Type] dialogue box appears.

**For USB connection:**

1. [Connect directly with a USB cable.] → [Next]
  - The [Connect Device] dialogue box will appear.



2. Connect the unit to a computer with the USB cable (①), then click **[Next]**.



- If the unit is connected to your computer, the model name will be automatically detected.
  - You can change the name of the unit if necessary.
3. Click **[Install]**, then follow the on-screen instructions.
    - The files will be copied to your computer.

#### For LAN connection (KX-MB2090 only):

1. **[Connect via the Network.]** → **[Next]**
  - The **[Select a Network Device]** dialogue box will appear.
2. Check **[Select from the search list]** and select the unit from the list.
  - If the name of the desired unit is not displayed on the list, and the IP address for the unit has been assigned, check **[Direct input]** and enter the IP address.
3. **[Next]**
  - You can change the name of the unit if necessary.
4. Click **[Install]**, then follow the on-screen instructions.
  - The files will be copied to your computer.

#### Important notice

When installing using a USB cable connection, a message may appear during the software installation. This is normal and the software will not cause any difficulties with your operating system. You can continue the installation with no problem. This kind of message is displayed:

- **For Windows XP users**  
 "The software you are installing for this hardware has not passed Windows Logo testing to verify its compatibility with Windows XP."
- **For Windows Vista/Windows 7/Windows 8 users**  
 "Would you like to install this device software?"

#### Note:

- If you install the operating instructions, you can view it anytime by clicking **[Help]** on the Multi-Function Station launcher.

#### To use another unit with the computer

You need to add the printer driver for each unit, as follows.

1. Start Windows and insert the supplied CD-ROM into your CD-ROM drive.
2. **[Modify]** → **[Add Multi-Function Station Driver]**. Then follow the on-screen instructions.

#### Note:

- You cannot connect more than one unit to the same computer at the same time (USB connection only).

#### To modify the software (To add or uninstall each component)

You can select the components to install or uninstall anytime after the installation.

You must be logged in as an administrator in order to modify Multi-Function Station.

1. Start Windows and insert the supplied CD-ROM into your CD-ROM drive.
2. **[Modify]** → **[Modify Utilities]**. Then follow the on-screen instructions.

#### To uninstall the software

You must be logged in as an administrator in order to uninstall Multi-Function Station.

**[Start]** → **[All Programs]** → **[Panasonic]** → the unit's name → **[Uninstall]**. Then follow the on-screen instructions.

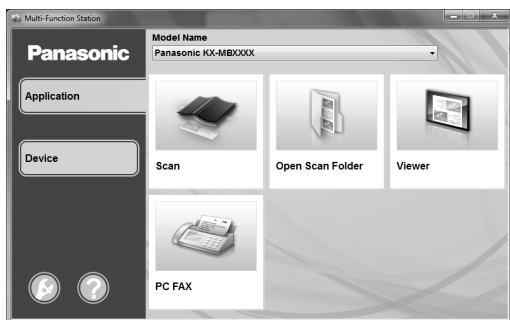
#### To view or install the operating instructions data

1. Start Windows and insert the supplied CD-ROM into your CD-ROM drive.
2. Click **[Operating Instructions]**, then follow the on-screen instructions to view or install the operating instructions in PDF format.
  - Adobe® Reader® is required to view the operating instructions.

### 2.13 Starting Multi-Function Station

**[Start]** → **[All Programs]** → **[Panasonic]** → the unit's name → **[Multi-Function Station]**

- Multi-Function Station will appear.



#### [Application]

- **[Scan] (page 31)**
  - To scan and display the scanned images.
  - To scan and create an image file.
  - To scan and send by email.
  - To scan and convert an image into editable text data using OCR software.
- **[Open Scan Folder]**
  - To display the folder where the scanned image will be saved.
- **[Viewer]**
  - To start the Multi-Function Viewer (page 31).
- **[PC FAX]**
  - To send a document created on the computer as a fax message (page 44).
  - To display a fax document received on the computer (page 50).

#### [Device]

- **[Remote Control] (page 77)**
  - To program the features.
  - To store, edit or erase items in phonebook.
  - To store, edit or erase items in email address book.\*<sup>1</sup>
  - To view items in the journal report or Caller ID list.
  - To store caller information into phonebook.
  - To store or erase items for broadcast transmission.
  - To use CSV format (Comma Separated Values format) to import or export phonebook or email address book.\*<sup>1</sup>

\*<sup>1</sup> KX-MB2090 only
- **[Device Monitor]**
  - To start the Device Monitor (page 77).
- **[Device List]**
  - To start Device List.
- **[Configuration Web Page]**

- To start the configuration web page (page 77) (KX-MB2090, LAN connection only).

#### [Settings] (page 26)

- To change the general settings.
- To change the settings for scanning.

#### [Help]

- For detailed instructions on Multi-Function Station.
- To view operating instructions.
- To display Support Web Page.
- To display information about Multi-Function Station.

#### Note:

- You can confirm if the unit is connected to your computer by using Device Monitor (page 77).
- Computer features (printing, scanning, etc.) may not function properly in the following situations:
  - When the unit is connected to a computer that was custom-built by the user.
  - When the unit is connected to the computer via a PCI card or other expansion card.
  - When the unit is connected to another piece of hardware (such as a USB hub or interface adapter) and not connected directly to the computer.

#### To change the settings

You can change the settings for Multi-Function Station beforehand.

- Select **[Settings]** from Multi-Function Station.
- Click the desired tab and change the settings. → **[OK]**

#### [General]

- **[Launcher display setting]:** To select the display type of the launcher.
- **[OCR Path]:** To select the OCR software.
- **[PC name list up on device] (KX-MB2090, LAN connection only):** To select whether or not your computer name is displayed on the unit.
- **[PC name] (KX-MB2090, LAN connection only):** The computer name that will be displayed on the unit.
  - Assign a unique name for the **[PC name]** to avoid errors, or the scanned image may be sent to the incorrect computer.

#### [Scan]

- **[Save to]:** To select the folder where the scanned image will be saved.
- **[Viewer][File][Email][OCR][Custom]:** To change scanning settings for Multi-Function scan application.

#### To select the default Email software

The default Email software is used when using scan to email (page 30).

You can select the default Email software as follows.

### For Windows XP:

1. **[Control Panel] → [Network and Internet Connections] → [Internet Options] → [Programs] → [E-mail]**
2. Select the desired MAPI-compliant Email software such as **[Outlook Express]**, etc. → **[OK]**

### For Windows Vista:

1. **[Control Panel] → [Internet Options] → [Programs] → [Set programs] → [Set program access and computer defaults]**
  - If the **[User Account Control]** dialogue box appears, click **[Continue]**.
2. **[Custom]**
3. Select the desired MAPI-compliant Email software such as **[Windows Mail]**, etc. from **[Choose a default e-mail program]**. → **[OK]**

### For Windows 7/Windows 8:

1. **[Control Panel] → [Network and Internet] → [Internet Options] → [Programs] → [Set programs] → [Set program access and computer defaults]**
2. **[Custom]**
3. Select the desired MAPI-compliant Email software from **[Choose a default e-mail program]**. → **[OK]**

## 3.1 Printing from Windows applications

You can print a file created in a Windows application. For example, to print from WordPad, proceed as follows:

- 1 Open the document you want to print.
- 2 Select **[Print]** from the menu.
  - The **[Print]** dialogue box will appear.
- 3 Select the unit's name as the active printer.
  - If you have changed the name of the unit when installing, select that name from the list.
  - When mode restriction (feature #154 on page 78) is activated, enter the department code in the printer settings using **[Job Type]** beforehand (page 28). If the department code does not match, or the department code restricts the print mode, printing will be cancelled.
  - To change the printer settings, click **[Preferences]**, then click the desired tab. Change the printer settings, then click **[OK]**.
- 4 Click **[Print]**.
  - The unit will start printing.

#### Note:

- To stop printing from the unit, see page 78.
- To load paper, see page 14, 15.
- For details about the paper specifications, see page 110.
- If a printing error occurs, the Device Monitor (page 77) will start automatically and display the error information.

#### Setting the printer properties

You can change the printer setting in step 3. You can change or display the settings on the following tabs.

**[Basic]:** Paper size, media type, pages per sheet, etc.

**[Output]:** Number of prints, collate, etc.

**[Job Type]:** Entering the department code.

- The department code is held for future printing jobs and only has to be entered once.

**[Quality]:** Quality, contrast, toner save feature, etc.

**[Effects]:** Watermark, overlay.

**[Profile]:** Saving the desired settings, selecting the saved settings, etc.

**[Support]:** Version information.

#### Note:

- Select the desired media type on the **[Basic]** tab according to the recording paper.

| Recording paper type   | Media type           |
|--|----------------------|
| <b>Plain paper</b><br>75 g/m <sup>2</sup> to 90 g/m <sup>2</sup> | <b>[Plain Paper]</b> |
| <b>Thin paper</b><br>64 g/m <sup>2</sup> to 75 g/m <sup>2</sup>  | <b>[Thin Paper]</b>  |
| <b>Label</b>   | <b>[Label]</b>       |

- When printing from a computer, the printer properties setting overrides the following unit's programming features:
  - Media type setting (feature #383 on page 58 and feature #384 on page 58)
  - Toner save setting (feature #482 on page 59)

#### To print on labels

You can print not only on plain paper but also on special media (labels).

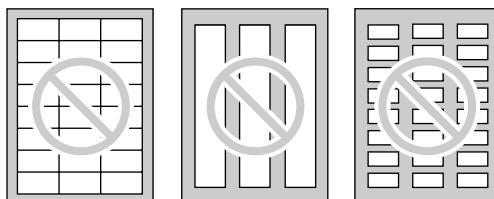
- Please refer to page 110 for information on recording paper.
- To load paper, see page 15.

Use labels designed for laser printing. We recommend the following:

#### Avery®

##### 5163/L7160

- **Use the manual input tray to print labels.**
- **Load label sheets one page at a time for printing, print-side down.**
- **Remove each label after printing.**
- Do not use the following types of labels:
  - Labels that are wrinkled, damaged or separated from the backing sheet.
  - Any sheet of labels that has spaces in it where some of the labels have been removed.
  - Labels that do not completely cover the backing sheet as follows:



## 3.2 Easy Print Utility

By printing using the Panasonic Easy Print Utility instead of the printer driver, you will have access to many useful and convenient printing features:

- Preventing unnecessary prints by checking the preview on PC screen
- Combining multiple documents
- Saving a file in PDF format

For example, to print from WordPad, proceed as follows:

- 1 Open the document you want to print.
- 2 Select **[Print]** from the menu.
- 3 Select **[Panasonic Easy Print Driver]** as the active printer.
- 4 Click **[Print]**.
  - The **[Panasonic Easy Print Utility]** dialogue will be displayed. For details about the Easy Print Utility, click **[?]**, then click the desired item.
- 5 View the print image by clicking the desired page in the **[Print Page Operation]** window (left column list).
  - To change the printer settings, see page 29.
  - To combine multiple documents created in various applications, see page 29.
  - To save the file in PDF format, see page 29.
  - Even if you set the number of prints on the original application beforehand, you may have to re-set it for the Easy Print Utility.
- 6 Click **[Print]** icon on the print toolbar.
  - The unit will start printing.

#### Note:

- When mode restriction (feature #154 on page 78) is activated, enter the department code in the printer settings using **[Job Type]** beforehand (page 28). If the department code does not match, or the department code restricts the print mode, printing will be cancelled. **[Job Type]** settings cannot be performed from the printer settings of **[Panasonic Easy Print Utility]** dialogue.

### 3.2.1 Ecology printing features

You can use various printing features and preview the resulting printed image without having to make a test print.

#### Printer settings

You can change or display the settings on the following tabs in step 5.

**[Basic]:** Paper size, layout printing

**[Output]:** Number of prints, paper source, media type

**[Quality]:** Colour mode, toner save

**[Effects]:** Header, watermark, footer

#### Combining multiple documents

You can display multiple pages created in various applications and handle it as a single document.

1. Perform step 1 to 4 on “3.2 Easy Print Utility”.
2. Open another document you want to add to Easy Print Utility.
3. Select **[Print]** from the menu.
  - The **[Print]** dialogue box will appear.

4. Select **[Panasonic Easy Print Driver]** as the active printer.
5. Click **[Print]**.
  - The document will be added after the last page of the previous document in the print preview window.
6. Repeat step 2 to 5.
7. If necessary, change the printer settings (page 29).
8. Click **[Print]** icon on the print toolbar.

#### Note:

- The maximum number of documents that can be displayed in the **[Print Page Operation]** window is 999 pages.

#### Saving a file as PDF file

You can save the previewed files in PDF format instead of printing it.

1. Perform step 1 to 4 on “3.2 Easy Print Utility”.
2. Click the **[Save PDF file]** icon on the print toolbar.
  - The **[Save As]** dialogue box appears.
3. Specify the folder to save, enter the file name, and then click **[Save]**. The **[Save PDF file]** dialogue appears while PDF files are being created and saved.

#### Note:

- The PDF file created with Easy Print Utility is an image type.

### 4.1 Scanning from the unit (Push Scan)

You can easily scan the document by using the operation panel on the unit. You can select one of the following scanning modes depending on how you intend to use the scanned image.

#### Scanning mode

|                     |  |
|---------------------|--|
| "VIEWER"            | Viewing using Multi-Function Viewer (Scan to Multi-Function Viewer)  |
| "FILE"              | Saving as a file to your computer (Scan to save as a file)   |
| "EMAIL"             | Activating the default email software on your computer, then attaching the scanned image as a file (Scan to email) |
| "OCR"               | Opening the scanned image using OCR software (Scan to OCR)   |
| "EMAIL ADDRESS"*1*2 | Sending as an attached file to an email destination directly from this unit (Scan to email address)                |
| "FTP SERVER"*1*3    | Sending to an FTP server (Scan to FTP server)  |
| "SMB FOLDER"*1*4    | Sending to an SMB folder (Scan to SMB folder)  |

\*1 KX-MB2090, LAN connection only.

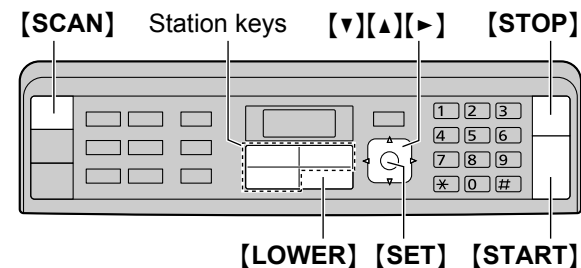
\*2 Program the email server settings (page 74) and the email destinations (page 75, 80) beforehand.

\*3 Program the FTP server settings beforehand (page 73).

\*4 Program the SMB folder settings beforehand (page 73).

#### Note:

- When scanning a document, we recommend using the scanner glass rather than the automatic document feeder for better results.
- Do not open the document cover when scanning a document with the automatic document feeder.
- You can set the desired scan mode for push scan beforehand (feature #493 on page 68).



- Set the original (page 19).
- If the [SCAN] light is OFF, turn it ON by pressing [SCAN].
- Press [v] or [^] repeatedly to select a scanning mode. → [SET]
- KX-MB2085:**  
Go to step 5.  
**KX-MB2090, USB connection:**  
Press [v] or [^] repeatedly to select "USB HOST". → [SET]  
**KX-MB2090, LAN connection:**  
Press [v] or [^] repeatedly to select the destination to which you want to send the scanned image. → [SET]
  - When scanning to email address, you can enter the destination email address
    - using dial keypad (page 76).
    - pressing the desired station key (1-3).
    - pressing [LOWER], then press the desired station key (4-6).
- If necessary, change the scanning settings. Press [>], press [v] or [^] repeatedly to select the desired setting. → [SET]
- When using the scanner glass:**  
[START] → The unit will scan 1 page. Place the next document on the scanner glass and press [SET]. Repeat this until all the documents are scanned, then press [START].  
**When using the automatic document feeder:**  
[START]
- After you finish scanning, press [STOP] to reset the setting you set in step 5.

#### Note:

- To stop scanning, see page 78.

#### Available formats for scan image save

| Scanning mode       | TIFF | JPEG | BMP | PDF |
|---------------------|------|------|-----|-----|
| "VIEWER"*1          | ●    | ●    | ●   | ●   |
| "FILE"*1            | ●    | ●    | ●   | ●   |
| "EMAIL"*1           | ●    | ●    | —   | ●   |
| "OCR"*1             | ●    | ●    | ●   | —   |
| "EMAIL ADDRESS"*2*3 | ●    | ●    | —   | ●   |
| "FTP SERVER"*2*3    | ●    | ●    | —   | ●   |
| "SMB FOLDER"*2*3    | ●    | ●    | —   | ●   |

\*1 When scanning several pages and saving as a single file, select TIFF or PDF as the file format.

- \*2 When scanning several pages and saving as a single file, select PDF as the file format.  
If TIFF is selected as the file format, we recommend using the Multi-Function Viewer to display the scanned image.
- \*3 KX-MB2090, LAN connection only.

### How the scanned data is handled

The scanned image will be automatically saved in the folder selected in the **[Settings]** window. To change the folder, see page 26.

- **When scanning to Multi-Function Viewer**, the scanned image will be displayed in the **[Multi-Function Viewer]** window after scanning. However, when you select PDF as a file format, the software that is associated to open PDF files will start.
- **When scanning to email**, the email software will automatically start and the scanned image will be attached to a new email message.
- **When scanning to OCR**, the scanned image will be displayed in the OCR window after scanning.
- **When scanning to email address**, the scanned image will be sent as an email attachment directly from this unit (KX-MB2090, LAN connection only).
- **When scanning to FTP server**, the scanned image will be automatically saved in the selected folder on the FTP server.  
To display the scanned image, download the data to your computer beforehand (KX-MB2090, LAN connection only).
- **When scanning to SMB folder**, the scanned image will be automatically saved in the selected folder on the network.  
When scanning to SMB folder does not perform properly, consult your network administrator. This unit's SMB function does not support NTLMv2 and SMB signatures (KX-MB2090, LAN connection only).

### Searching for an email address by initial (scan to email address) (KX-MB2090, LAN connection only)

Example: "LISA"

1. Perform steps 1 to 3 on page 30.
2. Press **[5]** repeatedly to display any name with the initial "L" (see page 76 for character entry).
  - To search for symbols, press **[\*]**.
3. Press **[▼]** or **[▲]** repeatedly to display "LISA".
  - To stop the search, press **[STOP]**.

## 4.2 Scanning from a computer (Pull Scan)

### Note:

- When scanning a document, we recommend using the scanner glass rather than the automatic document feeder for better results.
- Do not open the document cover when scanning a document with the automatic document feeder.

### 4.2.1 Using Multi-Function scan application

By clicking an application icon, the selected application starts automatically after scanning.

- 1 Set the original (page 19).
- 2 Start Multi-Function Station. → **[Application]** → **[Scan]**
- 3 Click the desired application icon.
  - When you click **[Custom]**, the pre-programmed application starts.
  - To cancel scanning while the documents are being scanned, click **[Cancel]**.

### Note:

- You can change the scanning settings beforehand for each application (page 26).
- When you point to an application icon, the scanning settings for that application are displayed as a tooltip.
- The scanned image will be automatically saved in the folder selected in the **[Settings]** window (page 26).

### 4.2.2 Using Multi-Function Viewer

- 1 Set the original (page 19).
- 2 Start Multi-Function Station.
- 3 **[Application]** → **[Viewer]**
  - **[Multi-Function Viewer]** will appear.
- 4 Click the **[Scan]** icon in the **[Multi-Function Viewer]** window.
  - The unit's name dialogue box will appear.
- 5 If necessary, change the scanning settings on your computer.
  - To preview the scanned image, click **[Preview]**. You can drag the frame to specify the scanning area. If you change the scan settings, click **[Preview]** to refresh the scanned image. If you use the automatic document feeder, only the first page will be previewed. When you need to refresh the scanned image, set the document to preview again.
- 6 **[Scan]**
  - If you preview the scanned image using the automatic document feeder in step 5, set the document again and click **[Scan]**.
  - The scanned image will be displayed in the **[Multi-Function Viewer]** window after scanning.

## 4. Scanner

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- To save the scanned image, select **[Save As]** from the menu.
- To cancel scanning while the documents are being scanned, click **[Cancel]**.

### Note:

- You can display images in applications that support TIFF, JPEG, PCX, DCX and BMP formats.
- You can save images in TIFF, JPEG, PCX, DCX, BMP or PDF formats.
- If the **[Select]** button is displayed in **[Target Device]**, click **[Select]** to select the unit from the list, and then click **[OK]**.  
The **[Select]** button will not be displayed when there is only one printer driver installed.
- You can move, copy and delete a file or page.

---

### 4.2.3 Using other applications

Multi-Function Station includes a TWAIN and WIA compliant scanner driver. You can also scan using other applications that support TWAIN or WIA scanning. For scanning example, proceed as follows:

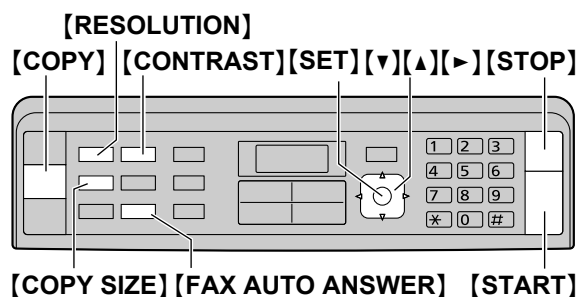
- 1 Set the original (page 19).
- 2 Start an application that supports TWAIN or WIA scanning.
- 3 **For TWAIN scanning:**  
Select **[Acquire Image]** from the menu.  
**For WIA scanning:**  
Select **[From scanner or camera]** from the menu.
  - The unit's name dialogue box will appear.
- 4 If necessary, change the scanning settings on your computer. → **[Scan]**
  - The scanned image will be displayed in the application window after scanning.
  - To cancel scanning while the documents are being scanned, click **[Cancel]**.

### Note:

- Scanning from WIA compliant applications is only available via a USB connection.
- Depending on the application used, the appearance may differ slightly.
- If the **[Select]** button is displayed in **[Target Device]** when performing TWAIN scanning, click **[Select]** to select the unit from the list, and then click **[OK]**.  
The **[Select]** button will not be displayed when there is only one printer driver installed.



## 5.1 Making a copy



- 1 If the **[COPY]** light is OFF, turn it ON by pressing **[COPY]**.
- 2 Set the original (page 19).
- 3 If necessary, change the copy size (original document size and recording paper size), resolution and contrast according to the type of document.
  - To select the copy size, see page 33.
  - To select the resolution, see page 33.
  - To select the contrast, see page 33.
- 4 If necessary, enter the number of copies (up to 99).
- 5 **[START]**
  - When mode restriction (feature #154 on page 78) is activated, enter the department code when copying. If the department code does not match, or the department code restricts the copy mode, copying will be cancelled.
  - The unit will start copying.
- 6 After you finish copying, press **[STOP]** to reset the settings you set in step 3 and 4.

### Note:

- To stop copying, see page 78.
- You can change the default operation mode (feature #463 on page 59) and the timer before returning to the default operation mode (feature #464 on page 59).
- If the **[FAX AUTO ANSWER]** light is ON, the unit can receive faxes automatically even when in the copy mode.

### To select the copy size

1. Press **[COPY SIZE]** repeatedly to select "ORIGINAL SIZE".
2. Press **[▼]** or **[▲]** repeatedly to select the size of your original document. → **[SET]**
3. Press **[▼]** or **[▲]** repeatedly to select the size of recording paper size.
  - When "#2" is selected, you can change the recording paper size by pressing **[▶]** repeatedly.
  - The appropriate zoom rate will be set automatically. Some copying features cannot be used during zoom copy. See page 34 for details.

## 4. [SET]

### To select the resolution

1. Press **[RESOLUTION]** repeatedly.
  - "TEXT/PHOTO": For both text and photographs.
  - "TEXT": For text only.
  - "PHOTO": For photographs, shaded drawings, etc.

## 2. [SET]

### Note:

- You can change the default resolution (feature #461 on page 66).

### To select the contrast

Adjust this setting depending on the darkness or lightness of the document. 5 levels (low to high) are available.

Press **[CONTRAST]** repeatedly. → **[SET]**

### Note:

- You can hold the previous contrast setting (feature #462 on page 59).


### 5.2 More copying features

- Make sure that the **[COPY]** light is ON.

#### 5.2.1 Zoom copy (enlargement / reduction)

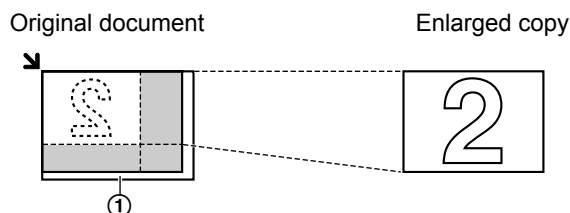
- 1 Set the original (page 19).
- 2 Press **[ZOOM]** repeatedly to select the zoom rate that fits the size of your document and recording paper.
  - “ZOOM =100%”<sup>\*1</sup>
  - “50%”
  - “200%”
- \*1 Press **[▼]** or **[▲]** repeatedly to change the zoom rate by 1 % at a time from “25%” to “400%”.  
You can also enter the desired percentage specifically by using the dial keys.
- 3 **[SET]**
- 4 If necessary, enter the number of copies (up to 99).  
→ **[START]**
- 5 After you finish copying, press **[STOP]** to reset this feature.

#### Note:

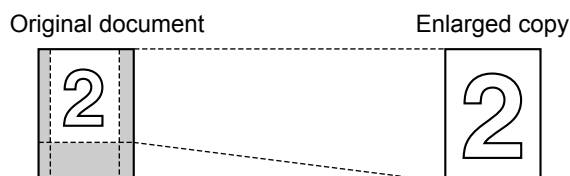
- Zoom copy is not available for the following features:
  - Quick ID copy feature (page 35)
  - Image repeat feature (page 35)
  - Poster feature (page 36)
  - N in 1 feature (page 36)
  - Separate N in 1 feature (page 37)
- You can hold the previous zoom setting (feature #468 on page 66).
- **When using the scanner glass**, the unit will only enlarge the right top corner of the document starting from the  mark on the unit.
- **When using the automatic document feeder**, the unit will only enlarge the centre of the upper part of the document. To make an enlarged copy of the bottom of the document, turn the document around, and then make a copy.

#### Example: 150 % enlarged copy

##### Using the scanner glass (①):

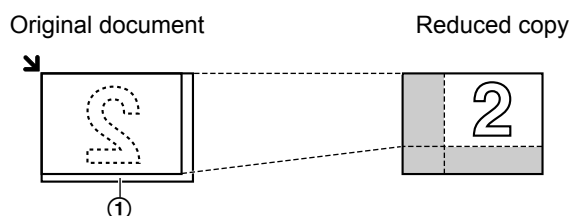


##### Using the automatic document feeder:

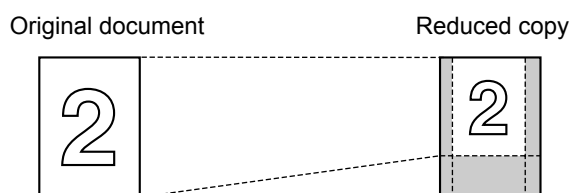


#### Example: 70 % reduced copy

##### Using the scanner glass (①):



##### Using the automatic document feeder:



#### 5.2.2 Collate copy

The unit can collate multiple copies in the same order as the original document pages.

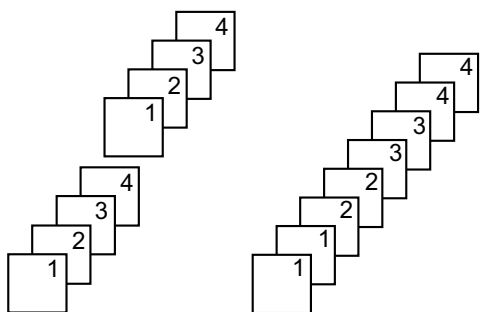
- 1 If the **[COPY]** light is OFF, turn it ON by pressing **[COPY]**.
- 2 Set the original (page 19).
- 3 Press **[◀]** to display “COLLATE”.
- 4 Press **[▼]** or **[▲]** repeatedly to display “ON”.
- 5 **[SET]**
- 6 Enter the number of copies (up to 99).
- 7 **When using the scanner glass:**
  1. **[START]**
    - The unit will scan 1 page.

2. Place the next document on the scanner glass and press **[SET]**. Repeat this until you have scanned all pages, and then press **[START]**.
  - The unit will start copying.

**When using the automatic document feeder:**  
**[START]**

- 8 After you finish copying, press **[STOP]** to reset this feature.

**Example: Making 2 copies of a 4-page original document**



Collated pages

Uncollated pages

**Note:**

- The unit will store the documents into memory at a reduced resolution while collating the copies. If the memory becomes full while storing, the unit will only print out the stored pages.
- You can hold the previous collate setting (feature #469 on page 66).

**Proof set feature**

To make 1 set of a collated copy first, press **[▼]** or **[▲]** repeatedly to display **"PROOF SET"** (step 4 on "5.2.2 Collate copy", page 34). The unit will make 1 set of a collated copy and stop temporarily so you can check whether the copy was made as you expected. If the copy is correct, press **[START]** to continue copying. If the copy is not correct, press **[STOP]** and start again from the beginning.

### 5.2.3 Quick ID copy feature / Image repeat feature (Scanner glass only)

**Quick ID copy feature:** To copy 2-sided documents onto one page.

**Image repeat feature:** To copy a single document repeatedly onto one page.

**Note:**

- The copied documents will not be reduced to fit the recording paper, and useful for copying small sized documents such as business cards.
- 1 Set the original (page 19).
    - To make a landscape copy, set the original in landscape direction. To make a portrait copy, set the original in portrait direction.

- The scanning area changes according to the selected setting in step 4. See the following table for details. The shaded area will be scanned.

- 2 Press **[PAGE LAYOUT]** repeatedly to select **"PAGE LAYOUT"**.
- 3 Press **[▼]** or **[▲]** repeatedly to select **"QUICK ID COPY"** or **"IMAGE REPEAT"**. → **[SET]**
- 4 Press **[▼]** or **[▲]** repeatedly to select the number of original documents from **"2 in 1"**, **"4 in 1"** or **"8 in 1"**. → **[SET]**
  - For quick ID copy feature, go to the next step.
  - For image repeat feature, go to step 6.
- 5 Press **[▼]** or **[▲]** repeatedly to select the page layout from **"LANDSCAPE"** or **"PORTRAIT"**. → **[SET]**
- 6 If necessary, enter the number of copies (up to 99).
- 7 **Quick ID copy feature:**
  1. **[START]**
    - The unit will scan 1 page.
  2. Place the next document on the scanner glass and press **[SET]**. Repeat this until all the documents are scanned.
    - The unit will start copying.
    - You can press **[START]** anytime to start copying.

**Image repeat feature:**

**[START]**

- 8 After you finish copying, press **[STOP]** to reset this feature.

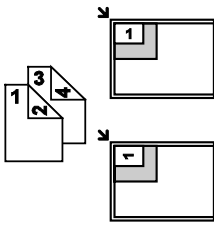


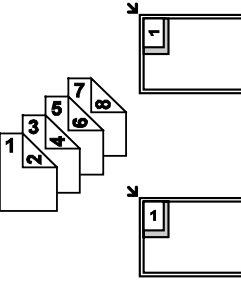
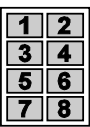

**Note:**

- You can save the previous page layout setting (feature #467 on page 66).

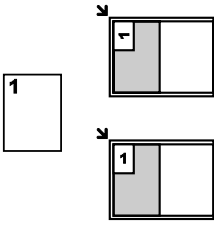


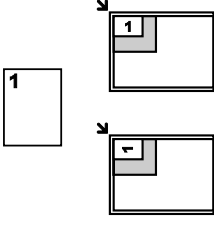


**For quick ID copy feature**

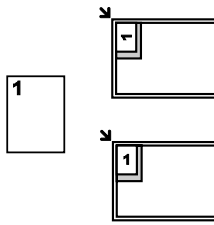
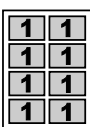

| Original document   | Page layout   |
|---------------------|---|
| <b>"2 in 1"</b><br> | <b>"LANDSCAPE"</b><br><br><br><b>"PORTRAIT"</b><br> |

5. Copier

| Original document   | Page layout  |
|---|--|
| <p>"4 in 1"</p>  | <p>"LANDSCAPE"</p>  <p>"PORTRAIT"</p>  |
| <p>"8 in 1"</p>  | <p>"LANDSCAPE"</p>  <p>"PORTRAIT"</p>  |

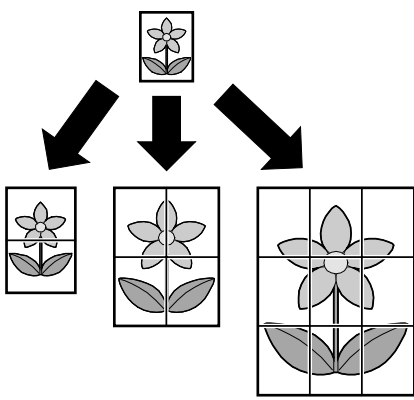
For image repeat feature

| Original document   | Page layout   |
|---|---|
| <p>"2 in 1"</p>  |   |
| <p>"4 in 1"</p>  |   |

| Original document   | Page layout   |
|---|---|
| <p>"8 in 1"</p>  |   |

5.2.4 Poster feature (Scanner glass only)

You can make copies divided into 2 ("1 x 2"), 4 ("2 x 2") or 9 ("3 x 3") sections to make enlarged copies of the individual sections. You can then glue them together to make a poster.



- 1 Set the original (page 19).
- 2 Press **[PAGE LAYOUT]** repeatedly to select "**PAGE LAYOUT**".
- 3 Press **[▼]** or **[▲]** repeatedly to select "**POSTER**".  
→ **[SET]**
- 4 Press **[▼]** or **[▲]** repeatedly to select "1 x 2", "2 x 2" or "3 x 3". → **[SET]**
- 5 If necessary, enter the number of copies (up to 99).  
→ **[START]**
- 6 After you finish copying, press **[STOP]** to reset this feature.

Note:

- You can save the previous page layout setting (feature #467 on page 66).




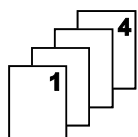


5.2.5 N in 1 feature

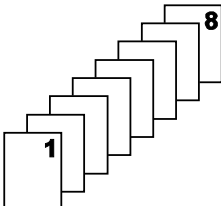

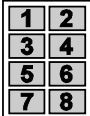
You can save paper by copying 2, 4 or 8 pages onto 1 page. The documents will be reduced to fit the recording paper.

- 1 Set the original (page 19).
  - To make a portrait copy, set the original in portrait direction. To make a landscape copy, set the original in landscape direction.
- 2 Press **[PAGE LAYOUT]** repeatedly to select “PAGE LAYOUT”.
- 3 Press **[▼]** or **[▲]** repeatedly to select “N in 1”. → **[SET]**
- 4 Press **[▼]** or **[▲]** repeatedly to select the number of original documents from “2 in 1”, “4 in 1” or “8 in 1”. → **[SET]**
- 5 Press **[▼]** or **[▲]** repeatedly to select the layout from “PORTRAIT” or “LANDSCAPE”. → **[SET]**
- 6 If necessary, enter the number of copies (up to 99).
- 7 **When using the scanner glass:**
  1. **[START]**
    - The unit will scan 1 page.
  2. Place the next document on the scanner glass and press **[SET]**. Repeat this until all the documents are scanned.
    - The unit will start copying.
    - You can press **[START]** anytime to start copying.

**When using the automatic document feeder:**  
**[START]**

- 8 After you finish copying, press **[STOP]** to reset this feature.

| Original document   | Page layout   |
|---|---|
| “2 in 1”<br> | “PORTRAIT”<br><br>“LANDSCAPE”<br> |
| “4 in 1”<br> | “PORTRAIT”<br><br>“LANDSCAPE”<br> |

| Original document   | Page layout   |
|---|---|
| “8 in 1”<br> | “PORTRAIT”<br><br>“LANDSCAPE”<br> |

**Note:**

- You can save the previous page layout setting (feature #467 on page 66).

**Separate N in 1 feature (Scanner glass only)**

You can separate an N in 1 copied document back into its original, separate pages. This feature is available for documents created using the “2 in 1” and “4 in 1” settings.

1. Set the original (page 19).
2. Press **[PAGE LAYOUT]** repeatedly to select “PAGE LAYOUT”.
3. Press **[▼]** or **[▲]** repeatedly to select “SEPARATE N in 1”. → **[SET]**
4. Press **[▼]** or **[▲]** repeatedly to select the number of original documents from “2 in 1” or “4 in 1”. → **[SET]**
5. Press **[▼]** or **[▲]** repeatedly to select the page layout of the original document from “PORTRAIT” or “LANDSCAPE”. → **[SET]**
6. If necessary, enter the number of documents (up to 99). → **[START]**
7. After you finish copying, press **[STOP]** to reset this feature.

### 5.2.6 Edge feature

You can set the unit not to copy the outer edges of the document without reducing the copied documents to fit the recording paper. This is useful for copying documents with dirty edges.

**Note:**

- This feature and page layout features cannot be used at the same time (except for N in 1).

- 1 Set the original (page 19).
- 2 Press **[PAGE LAYOUT]** repeatedly to select “EDGE”.
- 3 Press **[▼]** or **[▲]** repeatedly to select “ON”. → **[SET]**

## 5. Copier

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- 4 Press [**▼**] or [**▲**] repeatedly to select “**LONG EDGE**”. → [**SET**]
- 5 Enter the desired edge width of long edge using the dial keypad. → [**SET**]
- 6 Press [**▼**] or [**▲**] repeatedly to select “**SHORT EDGE**”. → [**SET**]
- 7 Enter the desired edge width of short edge using the dial keypad. → [**SET**]
- 8 If necessary, enter the number of documents (up to 99). → [**START**]
- 9 After you finish copying, press [**STOP**] to reset this feature.

### Note:

- You can hold the previous edge setting (feature #473 on page 66).

---

### 5.2.7 Margin feature

You can set the unit not to copy a particular edge of the document to make a margin. This is useful for binding the copied documents.

### Note:

- To automatically reduce the copies according to the set margin, see feature #474 on page 66.
  - This feature and page layout features cannot be used at the same time.
- 1 Set the original (page 19).
    - To make a portrait copy, set the original in portrait direction. To make a landscape copy, set the original in landscape direction.
  - 2 Press [**PAGE LAYOUT**] repeatedly to select “**MARGIN**”.
  - 3 Press [**▼**] or [**▲**] repeatedly to select “**ON**”. → [**SET**]
  - 4 Press [**▼**] or [**▲**] repeatedly to select the page layout from “**PORTRAIT**” or “**LANDSCAPE**”. → [**SET**]
  - 5 Press [**▼**] or [**▲**] repeatedly to select the edge you want to set the margin for from “**TOP**”, “**RIGHT**”, “**LEFT**” or “**BOTTOM**”. → [**SET**]
  - 6 Enter the desired margin width using the dial keypad. → [**SET**]
  - 7 If necessary, enter the number of documents (up to 99). → [**START**]
  - 8 After you finish copying, press [**STOP**] to reset this feature.

### Note:

- You can hold the previous margin setting (feature #475 on page 66).

---

### 5.2.8 Copy reservation

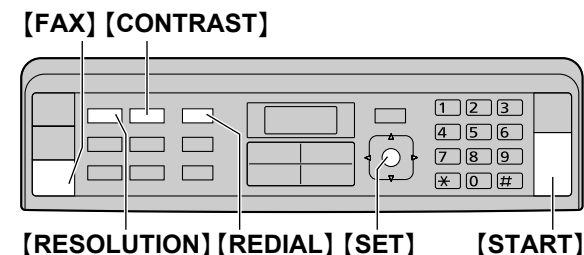
You can make a copy reservation under the following conditions:

- while the unit is printing documents from your computer.
  - while the unit is printing received fax documents.
- 1 Set the original (page 19).
  - 2 While “**PC PRINTING**” or “**PRINTING**” is displayed, press [**COPY**].
  - 3 Make necessary settings such as number of copies, resolution, zoom features and page layout features. → [**START**]
    - “**COPY RESERVED**” will be displayed. The unit will start copying after the current printing job.

## 6.1 Sending a fax manually

### 6.1.1 Using the scanner glass

By using the scanner glass, you can send a page from booklets or small size paper.



- 1 If the **[FAX]** light is OFF, turn it ON by pressing **[FAX]**.
- 2 Set the original (page 19).
- 3 If necessary, change the resolution and contrast according to the type of document.
  - To select the resolution, see page 39.
  - To select the contrast, see page 39.
- 4 Dial the fax number.
- 5 Press **[START]** to scan the document into memory.
  - Wait until "SCAN: PRESS SET" "SEND: PRESS START" is displayed.
  - To send a single page, go to step 7.
  - To send multiple pages, go to the next step.
- 6 Place the next page on the scanner glass. → **[SET]**
  - To send more pages, repeat this step.
- 7 **[START]**

#### Note:

- To stop sending, see page 78.
- You can change the default operation mode (feature #463 on page 59) and the timer before returning to the default operation mode (feature #464 on page 59).

#### To select the resolution

1. Press **[RESOLUTION]** repeatedly.
  - "STANDARD": For normal-sized characters.
  - "FINE": For small-sized characters.
  - "SUPER FINE": For very small-sized characters.
  - "PHOTO": For photographs, shaded drawings, etc.
2. **[SET]**
  - Using the "FINE", "SUPER FINE" and "PHOTO" settings will increase transmission time.
  - You can change the default fax resolution (feature #405 on page 60).

#### To select the contrast

Adjust this setting depending on the darkness or lightness of the document. 5 levels (low to high) are available.

Press **[CONTRAST]** repeatedly. → **[SET]**

#### Note:

- You can save the previous contrast setting (feature #462 on page 59).

#### To redial the last number

**[REDIAL]**

#### Note:

- To stop sending, see page 78.

#### Reserving the fax transmission (Dual Access)

You can reserve a fax transmission even when the unit is just receiving a fax or sending a fax from memory.

- Up to 3 reservations when sending
  - Up to 4 reservations when receiving
1. Set the original during fax reception or fax memory transmission.
  2. Enter the fax number using the dial keypad, one-touch dial or phonebook.
  3. **When using the scanner glass**, press **[START]**. The unit will scan 1 page. Place the next document on the scanner glass and press **[SET]**. Repeat this until all the documents are scanned, then press **[START]**.  
**When using the automatic document feeder**, press **[START]**.
    - If the document exceeds the memory capacity, the reservation for that document will be cancelled. You must send the entire document manually.

#### Printing a sending report

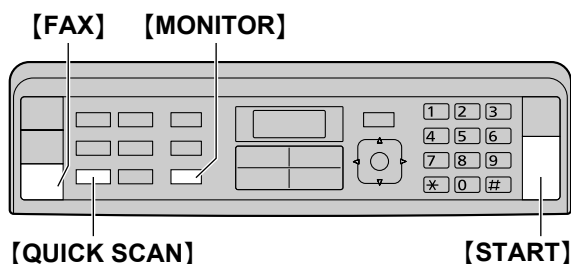
A sending report provides you with a printed record of transmission results. To print the sending reports, make sure that feature #401 is activated (page 60). For an explanation of the messages, see page 83.

#### Printing a journal report

A journal report provides you with a printed record of the 30 most recent faxes. To print it manually, see page 109. To print it automatically after every 30 new fax transmissions and receptions, make sure feature #402 is activated (page 60). For an explanation of the messages, see page 83.

## 6. Fax

### 6.1.2 Using the automatic document feeder



- 1 If the **[FAX]** light is OFF, turn it ON by pressing **[FAX]**.
- 2 Set the original (page 20).
- 3 If necessary, change the resolution and contrast according to the type of document.
  - To select the resolution, see page 39.
  - To select the contrast, see page 39.
- 4 **[MONITOR]**
- 5 Dial the fax number.
- 6 **When a fax tone is heard:**  
Press **[START]**.  
  
**When the other party answers your call:**  
Lift the handset and ask them to press their start button. When the fax tone is heard, press **[START]**.

#### Note:

- After pressing **[START]**, you can replace the handset.
- To stop sending, see page 78.
- Do not open the document cover when sending a fax with the automatic document feeder.

#### Pre-dialling a fax number

1. Enter the fax number.
2. Set the original (page 20). → **[START]**

#### Sending from memory (Quick scan feature)

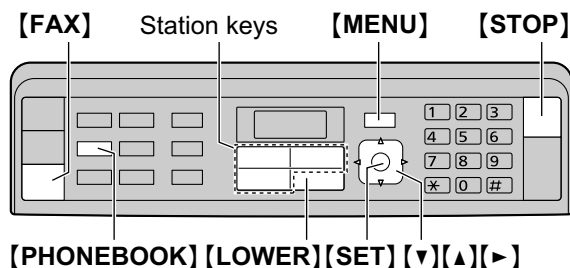
1. Set the original (page 20).
2. Enter the fax number. → **[QUICK SCAN]**

## 6.2 Storing items for the one-touch dial feature and phonebook

The unit provides the one-touch dial feature (6 items) and phonebook (100 items).

- Station 1 and 2 can be used alternatively as broadcast keys (page 42).

- Make sure that the **[FAX]** light is ON.



### 6.2.1 Storing one-touch dial item

- 1 Press **[MENU]** repeatedly to display “PHONEBOOK SET”.
- 2 Select the desired station key.  
**For station 1-2:**
  1. Press one of the station keys.
  2. Press **[v]** or **[^]** repeatedly to select “DIAL MODE”. → **[SET]**  
**For station 3:**  
Press the station key.  
  
**For station 4-6:**  
Press **[LOWER]**, then press one of the station keys.
- 3 Enter the name, up to 16 characters (see page 76 for character entry). → **[SET]**
- 4 Enter the telephone number, up to 32 digits. → **[SET]**
  - To program other items, repeat steps 2 to 4.
- 5 **[STOP]**

#### Note:

- A hyphen or a space entered in a telephone number counts as 2 digits.

### 6.2.2 Storing phonebook items

- 1 Press **[MENU]** repeatedly to display “PHONEBOOK SET”. → **[>]**
- 2 Enter the name, up to 16 characters (see page 76 for character entry). → **[SET]**
- 3 Enter the telephone number, up to 32 digits. → **[SET]**
  - To program other items, repeat steps 2 to 3.
- 4 **[MENU]**

#### Note:

- A hyphen or a space entered in a telephone number counts as 2 digits.

### 6.2.3 Editing a stored item

- 1 **[PHONEBOOK]**



- 2 Press [▼] or [▲] repeatedly to display the desired item. → [MENU] → [✱]
- 3 Edit the name if necessary. → [SET]
- 4 Edit the telephone number if necessary. → [SET] → [STOP]

### 6.2.4 Erasing a stored item

- 1 [PHONEBOOK]
- 2 Press [▼] or [▲] repeatedly to display the desired item. → [MENU] → [✱]
  - To cancel erasing, press [STOP].
- 3 [SET] → [STOP]

## 6.3 Sending a fax using one-touch dial feature and phonebook

Before using this feature, store the desired names and telephone numbers into the one-touch dial feature and phonebook (page 40).

- Make sure that the [FAX] light is ON.

### 6.3.1 Using the scanner glass

- 1 Set the original (page 19).
- 2 If necessary, change the resolution (page 39) and the contrast (page 39).
- 3 Enter the fax number.  
**Using station 1-3:**  
 Press the desired station key.  
**Using station 4-6:**  
 Press [LOWER], then press the desired station key.  
**Using phonebook:**  
 Press [PHONEBOOK], then press [▼] or [▲] repeatedly to display the desired item.
- 4 Press [START] to scan the document into memory.
  - Wait until "SCAN: PRESS SET" "SEND: PRESS START" is displayed.
  - To send a single page, go to step 6.
  - To send multiple pages, go to the next step.
- 5 Place the next page. → [SET]
  - To send more pages, repeat this step.
- 6 [START]

#### To search for a name by initial

Example: "LISA"

1. [PHONEBOOK]
2. Press [▼] or [▲] to initiate the phonebook.
3. Press [5] repeatedly to display any name with the initial "L" (see page 76 for character entry).
  - To search for symbols, press [✱].
4. Press [▼] or [▲] repeatedly to display "LISA".
  - To stop the search, press [STOP].

#### Fax auto redial

If the line is busy or if there is no answer, the unit will automatically redial the number 2 or more times.

#### Note:

- To stop sending, see page 78.

### 6.3.2 Using the automatic document feeder

- 1 Set the original (page 20).
- 2 If necessary, change the resolution (page 39) and the contrast (page 39).

- 3 Enter the fax number using one-touch dial or phonebook.
- 4 **[START]**

---

### 6.4 Broadcast transmission

You can send the same document to multiple parties (up to 20). To use this feature, store the fax numbers into broadcast memory as follows.

**Broadcast:** Store items using one-touch dial or phonebook (page 40).

**Manual broadcast:** Store items using one-touch dial or phonebook (page 40). You can also use the dial keypad to store items manually.

Your programmed items will remain in the broadcast memory, allowing frequent re-use.

- The broadcast function utilises station 1-2. The one-touch dial function will be cancelled.
- Make sure that the **[FAX]** light is ON.

---

#### 6.4.1 Programming items into the broadcast memory

- 1 Press **[MENU]** repeatedly to display “**PHONEBOOK SET**”.

- 2 Select the desired broadcast key.

**For BROADCAST:**

1. **[BROADCAST]**
2. Press **[▼]** or **[▲]** repeatedly to select “**BROADCAST**”.

**For MANUAL BROADCAST:**

1. **[MANUAL BROAD]**
2. Press **[▼]** or **[▲]** repeatedly to select “**MANUAL BROAD**”.

- 3 **[SET]**

- 4 Program items.

**Using station 1-3:**

Press the desired station key.

**Using station 4-6:**

Press **[LOWER]**, then press the desired station key.

**Using phonebook:**

Press **[▼]** or **[▲]** repeatedly to display the desired item. → **[SET]**

**Using the dial keypad (only for manual broad):**

Enter the fax number. → **[SET]**

- The number in brackets indicates the number of registered items.
- To program other items, repeat this step (up to 20 items).
- If you have programmed the wrong item, press **[STOP]** to erase the item.

- 5 **[SET]**

- To program another broadcast key, repeat steps 2 to 5.

- 6 **[STOP]**

### 6.4.2 Adding a new item into the broadcast memory

- 1 **[PHONEBOOK]**
- 2 Press **[▼]** or **[▲]** repeatedly to display the desired broadcast memory location ("**<BROADCAST>**" or "**<MANUAL BROAD>**"). → **[MENU]** → **[\*]**
- 3 Press **[▼]** or **[▲]** repeatedly to display the item you want to add. → **[SET]**
  - To add other items, repeat this step (up to 20 items).
- 4 **[STOP]**

#### Note:

- When adding new items to the MANUAL BROADCAST memory, you can only select stored items.

### 6.4.3 Erasing a stored item from the broadcast memory

- 1 **[PHONEBOOK]**
- 2 Press **[▼]** or **[▲]** repeatedly to display the desired broadcast memory location ("**<BROADCAST>**" or "**<MANUAL BROAD>**"). → **[MENU]** → **[H]**
- 3 Press **[▼]** or **[▲]** repeatedly to display the item you want to erase.
  - To cancel erasing, press **[STOP]**.
- 4 **[SET]** → **[SET]** → **[STOP]**

### 6.4.4 Sending the same document to pre-programmed parties

#### To send the same document using the scanner glass

1. Set the original (page 19).
2. If necessary, change the resolution (page 39) and the contrast (page 39).
3. Press **[BROADCAST]** or **[MANUAL BROAD]**.
  - To send a single page, go to step 5.
  - To send multiple pages, go to the next step.
4. Place the next page. → **[SET]**
  - To send more pages, repeat this step.
5. **[START]**

#### Note:

- To stop sending, see page 78.
- If you select "**FINE**", "**SUPER FINE**" or "**PHOTO**" resolution, the number of pages that the unit can send will decrease.
- If the document exceeds the memory capacity, sending will be cancelled.
- If a party is busy or does not answer, it will be skipped and redialled later 2 or more times.
- After transmission, the unit will automatically print a report (**broadcast sending report**).

#### To send the same document using the automatic document feeder

1. Set the original (page 20).
2. If necessary, change the resolution (page 39) and the contrast (page 39).
3. Press **[BROADCAST]** or **[MANUAL BROAD]**.

### 6.5 Sending an electronic document as a fax message from your computer

You can access the fax function from a Windows application using Multi-Function Station.

For example, to send a document created from WordPad, proceed as follows.

- 1 Open the document you want to send.
- 2 Select **[Print]** from the menu.
  - The **[Print]** dialogue box will appear.
- 3 Select the PCFAX unit's name as the active printer.
- 4 Click **[Print]**.
  - The **[Send a Fax]** dialogue box will appear.
- 5 Enter the fax number using the keypad display or the phonebook.
  - To stop the operation, click **[Cancel]**.
- 6 **[Send]**
  - The document will be sent through the unit from your computer.

#### Note:

- To stop sending, see page 78.
- If the document exceeds the memory capacity of the unit, sending will be cancelled.
- For details, see the help file by selecting **[Help]** from Multi-Function Station.
- Click **[Select]** to change the active unit.

#### To prevent fax sending to the wrong destination

1. Start Multi-Function Station. → **[Application]** → **[PC FAX]**
2. **[Tools]** → **[Function Setup]**
3. Select the desired setting from the **[Send]** list.
  - **[Display the Fax Send confirmation for every transmission]**: The confirmation dialogue box of the fax number is displayed before sending a fax.
  - **[Do not enter a fax number directly]**: You can only select fax numbers stored in the phonebook.
  - **[Re-enter to confirm the fax number]**: When entering the fax number using the dial keypad display, re-entry of the number is required.

#### 4. **[OK]**

#### Note:

- For details about each function, click **[Help]**.

### 6.6 Selecting the way to use your unit

Depending on your situation, select the way you prefer to use your unit.

- Use only as a fax (FAX ONLY mode)
- Use mostly as a telephone (TEL mode)
- Use as a telephone and/or fax (TEL/FAX mode)
- Use with answering machine

#### 6.6.1 Use only as a fax (FAX ONLY mode)

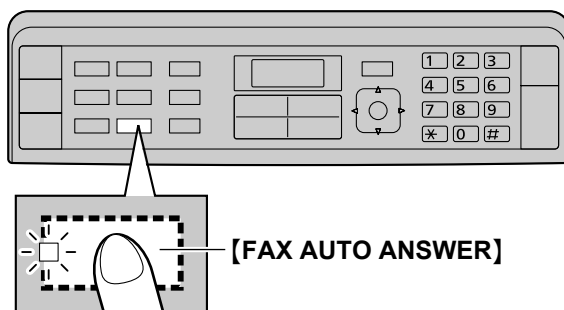
##### Your situation

You have a separate telephone line just for faxes, or you want to use the unit only for receiving faxes.

##### Setup

Set the unit to FAX ONLY mode (page 45) by pressing **[FAX AUTO ANSWER]** repeatedly.

- The **[FAX AUTO ANSWER]** light turns ON.



#### Note:

- Received fax documents can be transferred automatically to desired email address. To use the email transfer feature, set the email destination beforehand (page 73) (KX-MB2090, LAN connection only).

##### How faxes are received

All incoming calls will be answered as faxes.

#### 6.6.2 Use mostly as a telephone (TEL mode)

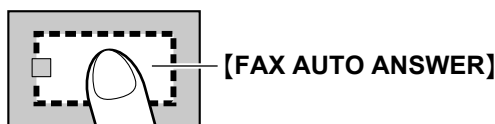
##### Your situation

You want to answer calls by yourself. If a fax call is received, you must receive the fax manually.

##### Setup

Set the unit to TEL mode (page 46) by pressing **[FAX AUTO ANSWER]** repeatedly.

- The **[FAX AUTO ANSWER]** light turns OFF.



**Note:**

- Make sure feature #404 is set to “**TEL**” beforehand (page 60).

**How to receive phone calls and faxes**

You have to answer all calls manually.

To receive a fax document, press **[START]** and then **[2]**.

### 6.6.3 Use as a telephone and/or fax (TEL/FAX mode)

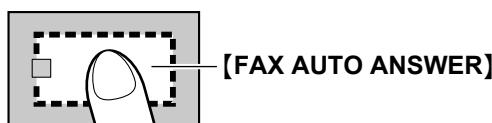
**Your situation**

You want to answer phone calls yourself and receive faxes automatically without rings.

**Setup**

Set the unit to TEL/FAX mode (page 47) by pressing **[FAX AUTO ANSWER]** repeatedly.

- The **[FAX AUTO ANSWER]** light turns OFF.

**Note:**

- Make sure feature #404 is set to “**TEL/FAX**” beforehand (page 60).

**How phone calls and faxes are received**

If the call is a phone call, the unit will ring.

If a fax calling tone is detected, the unit will receive the fax automatically without ringing.

### 6.6.4 Use with answering machine

**Your situation**

You want to use the unit with an answering machine.

**Setup**

Connect an external telephone answering machine and set the ring count of the answering machine to less than 4.

- Set the ring count in FAX ONLY mode of the unit to more than 4, if you use with auto answer ON.

**How to receive calls**

When receiving phone calls, the answering machine will record voice messages.

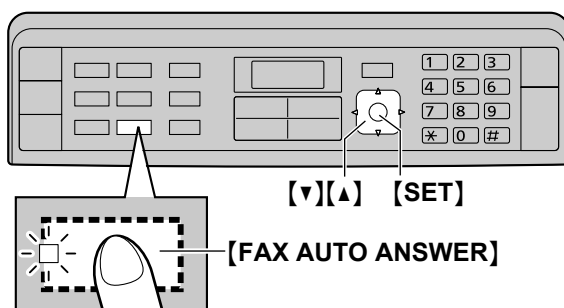
## 6.7 Receiving a fax automatically – Auto answer ON

- A4 or letter size recording paper can be used.

### 6.7.1 Activating FAX ONLY mode

Press **[FAX AUTO ANSWER]** repeatedly to display “**FAX ONLY MODE**”.

- The display will show the ring count in FAX ONLY mode. If you wish to change it, press **[▼]** or **[▲]** repeatedly to display the desired setting, and press **[SET]**.
- The **[FAX AUTO ANSWER]** light turns ON.

**How faxes are received**

When receiving calls, the unit will automatically answer all calls and only receive fax documents.

**Note:**

- The number of rings before a call is answered in FAX ONLY mode can be changed (feature #210 on page 58).

**If you have subscribed to a Distinctive Ring service**

See page 54.

### Transferring received fax document automatically to email address (KX-MB2090, LAN connection only)

You can transfer the received fax document (fax to email feature) to desired email address automatically.

Transferred messages will not be deleted from the unit. To activate this feature, set the following:

- Activate the fax to email address (feature #452 on page 65)
- Program the email server settings (page 74)
- Register email destinations (recommended) (page 75, 80)
- Set the fax to email destinations (page 73)

**Note:**

- To check the status of the transfer, see page 73.

**Useful information:**

If you are out for a long period of time, we recommend the following.

1. Set this feature.

## 6. Fax

2. Also activate PC FAX (page 50), and keep your computer turned ON.
  - For PC FAX, start Multi-Function Station, then activate **[PC FAX]**.

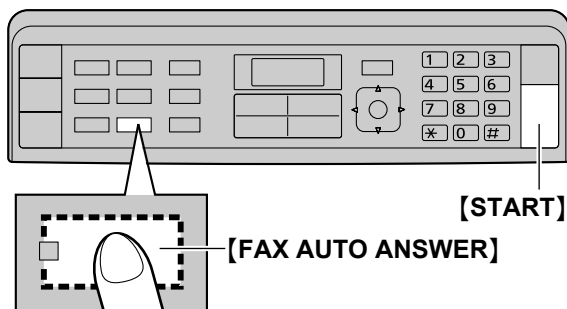
In this case, data will be transferred to your computer using PC FAX feature, then the transferred data will be deleted from your unit automatically. The same data will also be sent to your email address, so you can check your messages daily, preventing the unit to run out of paper/memory etc.

## 6.8 Receiving a fax manually – Auto answer OFF

- A4 or letter size recording paper can be used.

### 6.8.1 Activating TEL mode

- 1 Make sure feature #404 is set to “TEL” beforehand (page 60).
- 2 Press **[FAX AUTO ANSWER]** repeatedly to display “TEL MODE”.
  - The **[FAX AUTO ANSWER]** light turns OFF.



#### Note:

- If you do not answer the call within 10 rings, the unit will temporarily switch to fax reception. The other party can then send a fax.

### How to receive phone calls and faxes with the handset unit

1. Lift the handset to answer the call.
2. When:
  - document reception is required,
  - a fax calling tone (slow beep) is heard, or
  - no sound is heard,press **[START]**, and then **[2]**.
3. Replace the handset.

#### Note:

- To stop receiving, see page 78.

### How to receive faxes with an extension telephone

If you have another telephone connected to the **[EXT]** jack or the same line (extension telephone), you can use the extension telephone to receive faxes.

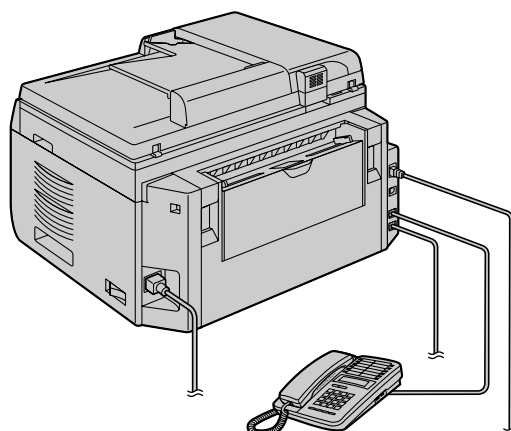
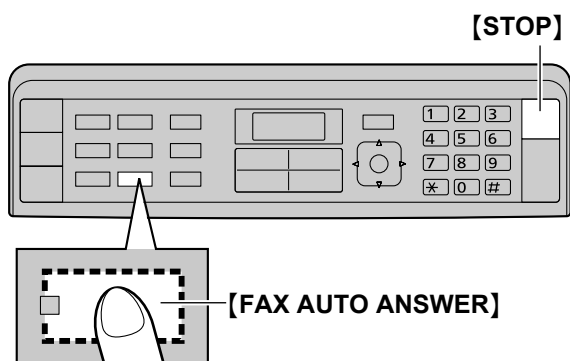
1. When the extension telephone rings, lift the handset of the extension telephone.
2. When:
  - document reception is required,
  - a fax calling tone (slow beep) is heard, or
  - no sound is heard,press **[\*] [#] [9]** (default fax activation code) **firmly**.
3. Replace the handset.

**Note:**

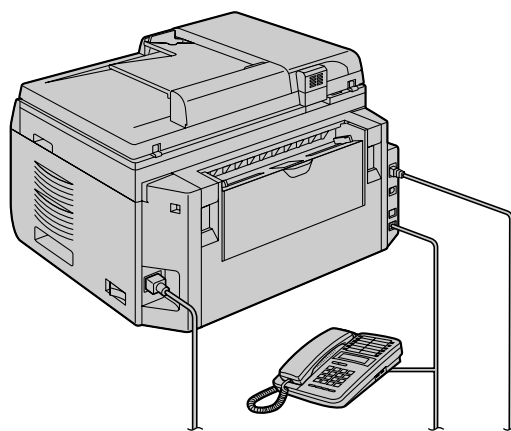
- To stop receiving, see page 78.
- To receive fax documents using the extension telephone, make sure remote fax activation is turned ON (feature #434 on page 63) beforehand. The default setting is ON.

**6.8.2 Activating TEL/FAX mode**

- 1 Make sure feature #404 is set to “**TEL/FAX**” beforehand (page 60).
- 2 Press [**FAX AUTO ANSWER**] repeatedly to display “**TEL/FAX MODE**”.
  - The [**FAX AUTO ANSWER**] light turns OFF.
- 3 The ringer volume setting should be ON (page 21).



- To answer using another telephone connected to the same telephone line as this unit, lift the handset and press [**\***] [**0**] (default auto disconnection code, feature #435 on page 63) to talk to the other party.

**How phone calls and faxes are received**

1. “**INCOMING CALL**” will be displayed but the unit will not ring.
2. The unit will wait for the duration of **2 rings** before answering the call.
  - The number of rings is determined by the “**TEL/FAX delayed ring count**” (feature #212 on page 60).
  - During this time, an extension telephone will ring.
3. The unit will answer the call and try to detect a fax calling tone.

**When a fax calling tone is detected**

The unit receives the fax automatically without ringing.

**When a fax calling tone is not detected**

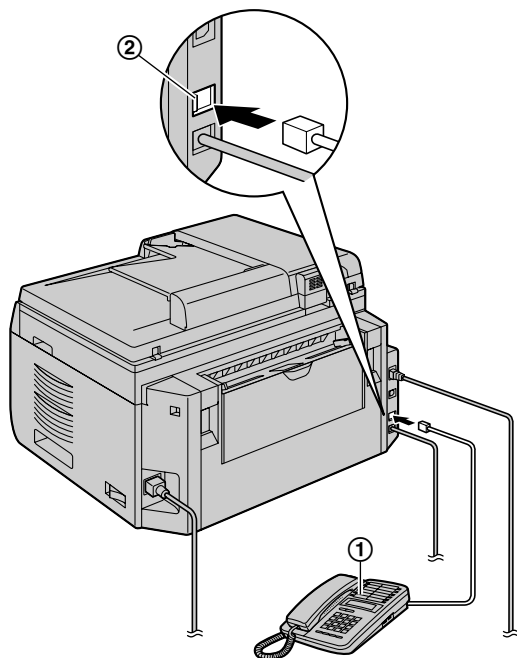
- ① The unit will ring **3 times**. You may answer the call.
  - To answer using the handset of the unit (if connected), lift the handset and talk to the other party.
- See “1.1 Supplied accessories”, page 7 and “1.2 Accessory information”, page 7 if your unit includes a handset, or if an optional handset is available.

- The number of rings is determined by the “**Silent fax recognition ring count**” (feature #436 on page 63).
- Callers will hear a ring back tone different from the one generated by the telephone company.
- ② If you do not answer the call, the unit will activate the fax function.
- Some fax machines do not generate fax calling tones when sending faxes, therefore the unit will try to receive a fax even if no fax calling tone is detected.

### 6.9 Using the unit with an answering machine

#### 6.9.1 Setting up the unit and an answering machine

- 1 Connect the answering machine (①).
  - Answering machine is not supplied. The illustration is just an example.
  - Remove the stopper (②) if attached.



- 2 Set the number of rings on the answering machine to 4 rings or less.
  - This will allow the answering machine to answer the call first.
- 3 Record a greeting message on the answering machine.
- 4 Activate the answering machine.
- 5 Set the unit to the desired receiving mode (page 45).
  - If you set to FAX ONLY mode, **change the ring count in FAX ONLY mode to more than 4 (feature #210 on page 58).**
- 6 Make sure each of the following is unique:
  - the remote access code of the answering machine
  - the fax activation code (feature #434 on page 63)

#### Note:

- If the call is a phone call, the answering machine will record voice messages.

If a fax calling tone is detected, the fax machine will receive a fax automatically.

- Regarding the remote access code for the answering machine, see the operating instructions of the answering machine.

#### Receiving a voice message and fax document in one call

The caller can leave a voice message and send a fax document during the same call. Inform the caller of the following procedure beforehand.

1. The caller calls your unit.
  - The answering device will answer the call.
2. The caller can leave a message after the greeting message.
3. The caller presses **[\*] [#] [9]** (pre-selected fax activation code).
  - The unit will activate the fax function.
4. The caller presses the start button to send a document.

#### Note:

- To use this feature, make sure remote fax activation is turned ON (feature #434 on page 63). The fax activation code can also be changed.
- If there is no room left in the memory of your answering machine, the unit may not be able to receive documents. See the operating instructions of the answering machine and erase unnecessary messages.

### 6.10 Receive polling (retrieving a fax placed on another fax machine)

This feature allows you to retrieve a document from another compatible machine. Therefore you pay for the call.

Make sure that no documents are fed into your unit and that the other party's machine is ready for your call.

- 1 Press **[MENU]** repeatedly to display "POLLING".  
→ **[SET]**
- 2 Dial the fax number. → **[START]**



## 6.11 Junk fax prohibitor (preventing fax reception from undesired callers)

If you subscribe to Caller ID service (page 52), this feature prevents fax reception from calls that do not show caller information.

Additionally, the unit will not accept faxes originating from numbers that match the ones on a programmable junk fax prohibitor list.

### Important:

- This feature does not work if you receive faxes manually.

### 6.11.1 Activating the junk fax prohibitor

- 1 Press **[MENU]** repeatedly to display “JUNK FAX PROH.”. → **[▶]**
- 2 Press **[▼]** or **[▲]** repeatedly to select “ON”. → **[SET]**
- 3 Press **[STOP]** to exit.

### 6.11.2 Storing undesired callers

You can register up to 20 undesired numbers from the Caller ID list (page 52) if you do not wish to receive faxes from them.

- 1 Press **[MENU]** repeatedly to display “JUNK FAX PROH.”.
- 2 Press **[▶]** repeatedly to display “JUNK LIST SET”. → **[SET]**
- 3 Press **[▼]** or **[▲]** repeatedly to display the party you do not want to receive faxes from. → **[SET]**
- 4 Press **[STOP]** 2 times to exit.

#### To display the junk fax prohibitor list

1. Press **[MENU]** repeatedly to display “JUNK FAX PROH.”.
2. Press **[▶]** repeatedly to display “JUNK LIST DISP.”. → **[SET]**
3. Press **[▼]** or **[▲]** to display the items on the list.
4. Press **[STOP]** to exit.

#### To print the junk fax prohibitor list

1. Press **[MENU]** repeatedly to display “JUNK FAX PROH.”.
2. Press **[▶]** repeatedly to display “JUNK LIST PRINT”. → **[SET]**
3. Press **[STOP]** to exit.

#### To erase an item from the junk fax prohibitor list

1. Press **[MENU]** repeatedly to display “JUNK FAX PROH.”.

2. Press **[▶]** repeatedly to display “JUNK LIST DISP.”. → **[SET]**
3. Press **[▼]** or **[▲]** repeatedly to display the desired item. → **[◀]**
  - To cancel erasing, press **[STOP]**, then press **[MENU]**.
4. **[SET]** → **[MENU]**

### 6.12 Receiving a fax on your computer

You can receive a fax document on your computer. The received fax document is saved as an image file (TIFF-G4 format).

#### Important:

- Make sure the PC fax setting is set to “ALWAYS” or “CONNECTED” beforehand (feature #442 on page 64).
  - Make sure the computer setting for the PC fax reception is set beforehand (feature #443 on page 50) (KX-MB2090, LAN connection only).
  - Make sure the fax preview mode is turned OFF beforehand (feature #448 on page 51) (KX-MB2090, LAN connection only).
- 1 Press **[FAX AUTO ANSWER]** repeatedly to turn the auto answer setting ON (page 45).
  - 2 Start Multi-Function Station. → **[Application]** → **[PC FAX]**
  - 3 When a fax call is received, your computer will receive a document through the unit.

#### Note:

- You can view, print or transfer the received document using your computer.
- Messages transferred to your computer will be deleted from the unit.

#### Viewing a received document

1. Select **[PC FAX]** from Multi-Function Station.
2. Select **[Received Log]** in **[Communication Log]**.
3. Click the item you want to view.
4. Click **[File]** in the menu bar, then select **[View]**, or click the **[View]** icon in the toolbar.
  - The received fax will be displayed.

#### If a received fax document is stored in the unit's memory

You can load the document into your computer.

1. Select **[PC FAX]** from Multi-Function Station.
2. Select **[Received Log]** in **[Communication Log]**.
3. Click **[File]** in the menu bar. → **[Receive a Fax]**
  - If the PC fax setting (feature #442 on page 64) is activated, the received fax document will be automatically transferred to the computer.

#### 6.12.1 Setting the computer for PC fax reception

You need to select the computer that will be used for receiving faxes.

#### Important:

- Make sure the PC fax setting is set to “ALWAYS” or “CONNECTED” beforehand (feature #442 on page 64).

- Make sure the fax preview mode is turned OFF beforehand (feature #448 on page 51).

1 **[MENU]** → **[#][4][4][3]** → **[SET]**

2 Press **[▼]** or **[▲]** repeatedly to select the desired computer. → **[SET]**

3 Press **[MENU]** to exit.

#### Note:

- If the unit is not connected to the LAN, the computer connected to the unit by USB is assigned as the default computer for PC fax reception.
- To select the desired computer easily, change the PC name beforehand (page 26).

## 6.13 Web fax preview (KX-MB2090, LAN connection only)

You can display a received fax document in your web browser without printing, and print or save the necessary document after you confirm the image.

### 6.13.1 Activating the fax preview mode

- 1 **[MENU]** → **[⏏]****[4]****[8]**
- 2 Press **[1]** to select “ON”.
  - Press **[0]** to select “OFF”.
- 3 **[SET]**
- 4 Enter the password (feature #155 on page 57).  
→ **[SET]**
  - If you are not required to enter the password, the web fax preview access code (feature #450 on page 64) is already set. Press **[MENU]** to exit.
- 5 Enter the web fax preview access code, up to 8 characters, using the English alphabet and numbers (see page 76 for character entry).
  - The following symbols can also be entered using **[0]** or **[1]**.  
! @ # \$ % ^ & ' ( . - \_ { }
- 6 **[SET]** → **[MENU]**

#### Note:

- When web fax preview is activated, the fax documents are stored in memory. The memory may become full of received documents, so delete documents from the memory as soon as possible after viewing or printing them.
- When web fax preview is activated, the PC fax setting (feature #442 on page 64) will be deactivated.
- We recommend you to activate the notification of fax reception (feature #451 on page 64).
- You can change the web fax preview access code (feature #450 on page 64).

### 6.13.2 Displaying a received fax document on the web browser

#### Important:

- **Make sure that the unit is idle.**

- 1 Start Multi-Function Station.
- 2 **[Device]** → **[Configuration Web Page]** → **[Device]**
- 3 Type “root” as the user name, then enter the password (feature #155 on page 57). → **[OK]**
- 4 Select the **[WEB FAX PREVIEW]** tab.

- 5 Enter the web fax preview access code (feature #450 on page 64). → **[OK]**
  - A list of the received fax documents will be displayed.
- 6 Click the desired icon to preview, print or save a fax document.
  - While previewing the document, you can manipulate the fax document (Example: enlarge, rotate etc.).
- 7 Close the web browser.

#### Note:

- The display speed depends on the contents and size of the document.
- The received fax document is saved as an image file (PDF format). Adobe Reader is required to view it.

#### What “√” means

“√” on the display means the image has already been viewed, printed or saved.

- To delete a document after viewing a fax document in step 6, click **[Back]** to go back to the list. You can delete images showing “√”.
- To delete a document after printing or saving a fax document in step 6, click **[Reload]** to update the list. You can delete images showing “√”.

### 7.1 Caller ID service

This unit is compatible with the Caller ID service offered by your local telephone company. To use this unit's Caller ID features, you must subscribe to a Caller ID service.

**Important:**

- This unit is designed in accordance with the ETS (European Telecommunication Standard) and only supports the basic CLIP (Calling Line Identification Presentation) features.
- This unit will only display the caller's telephone number and name.
- This unit will not support future additional telephone services.
- Depending on the service of the local telephone company, the date/time of the call or the caller's name may not be displayed.

**Make sure the following ring count is set to 2 or more rings beforehand.**

- FAX ring count (feature #210 on page 58)
- TEL/FAX delayed ring count (feature #212 on page 60)
- The name display service may not be available in some areas. For further information, please contact your telephone company.

#### 7.1.1 How Caller ID is displayed

The calling party's name or telephone number will be displayed after the 1st ring. You have the option of whether or not to answer the call.

The unit will automatically store caller information (name, telephone number and date and time of the call) from the 30 most recent calls. It is possible to view caller information on the display (page 52) or print the entire Caller ID list (page 109).

- When caller information is received and it matches a telephone number stored in the unit's one-touch dial or phonebook, the stored name will be displayed.
- If the unit is connected to a PBX (Private Branch Exchange) system, caller information may not be received properly. Consult your PBX supplier.
- If the unit cannot receive caller information, the following will be displayed:
  - "OUT OF AREA": The caller dialed from an area which does not provide Caller ID service.
  - "PRIVATE CALLER": The caller requested not to send caller information.
  - "LONG DISTANCE": The caller made a long distance call.

**To confirm caller information by printing the Caller ID list**

- To print manually, see page 109.
- To print automatically after every 30 new calls, activate feature #216 (page 58).

### 7.2 Viewing and calling back using caller information

**Important:**

- If the area code of the received telephone number is the same as yours, the area code may need to be deleted before calling back. This may only apply to some areas. To edit the number, see page 52.

- 1 If the [FAX] light is OFF, turn it ON by pressing [FAX]. → [CALLER ID]
- 2 Press [▼] to search from the recently received caller information.
  - If you press [▲], the display order will be reversed.
  - To send a fax, see page 39.
- 3 Press [MONITOR] or lift the handset to return the call.

**To change the way caller information is displayed**

While displaying the desired caller information, press [CALLER ID] repeatedly to change name/telephone number information.

#### 7.2.1 Symbols and operations for caller information

**What "✓" means**

"✓" on the display means the call has already been viewed or answered.

**To stop viewing**

Press [STOP].

### 7.3 Editing a caller's telephone number before calling back/storing

- Make sure that the [FAX] light is ON.
- 1 [CALLER ID]
  - 2 Press [▼] or [▲] to display the desired item.
  - 3 Press [CALLER ID] to display the telephone number.
  - 4 Press dial key (0 to 9) or [\*] to enter the editing mode and edit the telephone number.
    - To send a fax, see page 39.
  - 5 Press [MONITOR] or lift the handset to call back the edited number.
    - The unit will start dialling automatically.

**Note:**

- The edited telephone number will not be saved in the caller information. To save in the phonebook, see page 53.

**To correct a mistake**

1. Press [**◀**] or [**▶**] to move the cursor to the incorrect number.
2. Press [**STOP**] to delete the number.
3. Enter the correct number.

**To delete a number**

Press [**◀**] or [**▶**] to move the cursor to the number you want to delete and press [**STOP**].

**For phonebook:**

Press [**◀**] or [**▶**]. → [**SET**]

**5** [**SET**]**Note:**

- To edit a name or number, see page 40.
- If you assign an item to a station key which already contains an item, the previous item will be replaced.
- Station 1 and 2 can be used alternatively as broadcast keys (page 42).

## 7.4 Erasing caller information

### 7.4.1 Erasing all caller information

- 1 Press [**MENU**] repeatedly to display "CALLER SETUP". → [**SET**]
  - "CALL LIST ERASE" will be displayed.
- 2 [**SET**]
  - To cancel erasing, press [**STOP**], then [**MENU**].
- 3 [**SET**] → [**STOP**]

### 7.4.2 Erasing specific caller information

- Make sure that the [**FAX**] light is ON.
- 1 [**CALLER ID**]
  - 2 Press [**▼**] or [**▲**] repeatedly to display the desired item. → [**◀**] → [**SET**] → [**STOP**]

## 7.5 Storing caller information

### 7.5.1 Into the one-touch dial feature and phonebook

- Make sure that the [**FAX**] light is ON.
- 1 [**CALLER ID**]
  - 2 Press [**▼**] or [**▲**] repeatedly to display the desired item.
  - 3 [**MENU**]
  - 4 Select the station key or phonebook.  
**For station 1-2:**
    1. Press the desired station key.
    2. Press [**▼**] or [**▲**] repeatedly to select "DIAL MODE". → [**SET**] → [**SET**]**For station 3:**  
 Press the station key. → [**SET**]  
**For station 4-6:**  
 Press [**LOWER**], then press the desired station key.  
 → [**SET**]

## 8. Distinctive Ring

### 8.1 Distinctive Ring service

**Important:**

- This feature is not available for KX-MB2085ML/KX-MB2090ML.
- This feature is not available when “TUNISIA” is selected in feature #114 on page 55 (KX-MB2085CX/KX-MB2090CX only).

When a call is made to one of your phone numbers, the telephone company sends a ring pattern to your telephone line to indicate which number the call is intended for. By setting up this unit for Distinctive Ring, you can make the unit automatically start fax reception when a call comes to the fax number.

**To use this service, you must subscribe to the Distinctive Ring service offered by your local telephone company. Consult your local telephone company for availability.**

### 8.2 Using two or more phone numbers on a single telephone line

#### 8.2.1 Activating the Distinctive Ring feature

- 1 **[MENU] → [⏏][4][3][0]**
- 2 Press **[1]** to select “ON”.
  - Press **[0]** to select “OFF”.
- 3 **[SET] → [MENU]**

**Note:**

- While the Distinctive Ring feature is activated, you cannot change the receiving mode.

#### How phone calls and faxes are received

If the incoming call is for the fax number, the unit will ring with the assigned ring pattern and automatically start fax reception.

If the incoming call is for the phone number, the unit will continue ringing.

- If an external telephone answering machine is connected, set the ring count of the answering machine to more than 2.





### 8.3 Using three or more phone numbers on a single telephone line

You may wish to use three or more phone numbers for a single telephone line. In order to distinguish which number the call was addressed to, a different ring pattern must be assigned for each number.

#### Example: Using three phone numbers

| Telephone number | Ring pattern  | Use      |
|------------------|---------------|----------|
| 012 1234         | Standard ring | Personal |
| 012 5678         | Double ring   | Business |
| 012 9876         | Triple ring   | Fax      |

To use one phone number for the fax, program the ring pattern assigned for the fax (feature #431 on page 63). In the example, the ring pattern assigned for fax is a triple ring, so you should program “c” (triple ring).

| Ring pattern   | Selection      |
|--|----------------|
| Standard ring (one long ring)<br><br>1st ring                  2nd ring                | <b>[1] “A”</b> |
| Double ring (two short rings)<br><br>1st ring                  2nd ring                | <b>[2] “B”</b> |
| Triple ring (short-long-short rings)<br><br>1st ring                  2nd ring         | <b>[3] “C”</b> |
| Other triple ring (short-short-long rings)<br><br>1st ring                  2nd ring | <b>[4] “D”</b> |

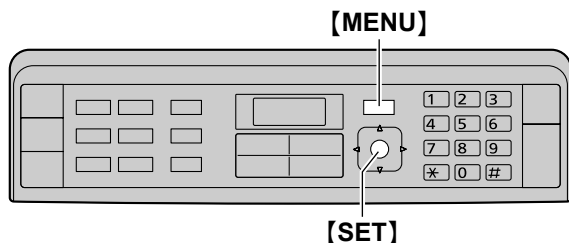
**Note:**

- The default setting is **[5] “B-D”**. The fax will respond to all calls with ring tone patterns “B”, “C” and “D”.

### 8.4 Programming the ring pattern assigned for fax

- 1 Set feature #430 to “ON” (page 62).
- 2 **[MENU] → [⏏][4][3][1]**
- 3 Press **[1]** to **[5]** to select the ring pattern assigned for fax. → **[SET] → [MENU]**

## 9.1 Programming from the unit



- 1 **[MENU]**
- 2 Press **[\*]** and the 3-digit code (page 55 to page 71).
- 3 Press the appropriate selection to display the desired setting.
  - This step will vary depending on the feature.
- 4 **[SET]**
- 5 Press **[MENU]** to exit.

### 9.1.1 Basic features

| Feature/Code   | Selection  |
|--|--|
| <b>Setting the date and time</b><br><b>[*][1][0][1]</b>  | Enter the date and time using the dial keypad. See page 21 for details.  |
| <b>Setting your logo</b><br><b>[*][1][0][2]</b>  | Enter your logo using the dial keypad. See page 22 for details.  |
| <b>Setting your fax number</b><br><b>[*][1][0][3]</b>  | Enter your fax number using the dial keypad. See page 22 for details.  |
| <b>Selecting the location where you use</b><br><b>[*][1][1][4]</b><br>(KX-MB2085CX/<br>KX-MB2090CX only) | This setting must match your location.<br><b>[1]</b> "MIDDLE EAST" (default): To use in Middle East.<br><b>[2]</b> "ASIA": To use in Asia (except Middle East).<br><b>[3]</b> "TUNISIA": To use in Tunisia.<br><b>[4]</b> "AFRICA": To use in Africa (except Tunisia). |
| <b>Setting the dialling mode</b><br><b>[*][1][2][0]</b>  | <b>[1]</b> "PULSE"<br><b>[2]</b> "TONE" (default)<br>See page 18 for details.  |

## 9. Programmable Features

| Feature/Code  | Selection   |
|---|---|
| <b>Setting recall/flash time</b><br><b>[#][1][2][1]</b>                                     | <p>The recall/flash time depends on your telephone exchange or host PBX.</p> <p>[0] "900ms"<br/>           [1] "700ms" (default)<br/>           [2] "600ms"<br/>           [3] "400ms"<br/>           [4] "300ms"<br/>           [5] "250ms"<br/>           [6] "200ms"<br/>           [7] "160ms"<br/>           [8] "110ms"<br/>           [9] "100ms"<br/>           [*] "90ms"<br/>           [#] "80ms"</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>If the unit is connected via a PBX, PBX functions (transferring a call, etc.) might not work correctly. Consult your PBX supplier for the correct setting.</li> </ul> |
| <b>Setting the ADSL mode</b><br><b>[#][1][2][4]</b>   | <p>When you use a DSL/ADSL line, this feature improves the reliability by reducing the transmission speed.</p> <p>[0] "OFF" (default)<br/>           [1] "ON"</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>Calling charges may be higher than usual.</li> </ul>   |
| <b>Changing the LCD display contrast</b><br><b>[#][1][4][5]</b>                             | <p>[1] "-2"<br/>           [2] "-1"<br/>           [3] "0" (default)<br/>           [4] "1"<br/>           [5] "2"</p>  |
| <b>Selecting the scale</b><br><b>[#][1][4][7]</b>   | <p>[1] "MILLIMETRES" (default)<br/>           [2] "INCHES"</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>The selected scale will be used when measurements are shown on the unit's display.</li> </ul>   |
| <b>Setting the display interval</b><br><b>[#][1][4][8]</b>                                  | <p>To set display interval for messages showed alternately.</p> <p>[1] "1sec" (default)<br/>           [2] "2sec"<br/>           [3] "3sec"<br/>           [4] "4sec"<br/>           [5] "5sec"</p>   |
| <b>Changing the administrator code for mode restriction settings</b><br><b>[#][1][5][1]</b> | <ol style="list-style-type: none"> <li>[MENU] → [#][1][5][1] → [SET]</li> <li>Enter the current administrator code. → [SET]               <ul style="list-style-type: none"> <li>The default administrator code is "0000".</li> </ul> </li> <li>Enter a new 4-digit administrator code using 0–9. → [SET]</li> <li>Enter the new administrator code again. → [SET] → [MENU]</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>It is recommended that you change this administrator code from the default administrator code.</li> </ul>   |
| <b>Setting the mode restriction</b><br><b>[#][1][5][4]</b>                                  | <p>See page 78 for details.</p>   |



| Feature/Code   | Selection   |
|--|---|
| Changing the password for feature programming via remote operation<br>[ <b>#</b> ][ <b>1</b> ][ <b>5</b> ][ <b>5</b> ] | <ol style="list-style-type: none"> <li>1. [<b>MENU</b>] → [<b>#</b>][<b>1</b>][<b>5</b>][<b>5</b>] → [<b>SET</b>]</li> <li>2. Enter the current password. → [<b>SET</b>] <ul style="list-style-type: none"> <li>• The default password is “1234”.</li> </ul> </li> <li>3. Enter a new 4-digit password using 0–9. → [<b>SET</b>]</li> <li>4. Enter the new password again. → [<b>SET</b>] → [<b>MENU</b>]</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• It is recommended that you change this password from the default password.</li> <li>• This password is also used for feature programming via a web browser (KX-MB2090, LAN connection only).</li> </ul>   |
| Setting the maintenance time<br>[ <b>#</b> ][ <b>1</b> ][ <b>5</b> ][ <b>8</b> ]                                       | <p>The unit will automatically activate for self-maintenance.</p> <ol style="list-style-type: none"> <li>1. [<b>MENU</b>] → [<b>#</b>][<b>1</b>][<b>5</b>][<b>8</b>] → [<b>SET</b>]</li> <li>2. Enter the maintenance start time. <ul style="list-style-type: none"> <li>• The default time is “12 : 00”.</li> <li>• If you selected 12-hour time entry (page 21), press [<b>*</b>] repeatedly to select AM or PM.</li> <li>• If you selected 24-hour time entry (page 21), the time is set using 24-hour time entry.</li> </ul> </li> <li>3. [<b>SET</b>] → [<b>MENU</b>]</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Do not activate the unit during self-maintenance.</li> </ul>   |
| Resetting all features (and deleting all data in memory)<br>[ <b>#</b> ][ <b>1</b> ][ <b>5</b> ][ <b>9</b> ]           | <p>Before you dispose of, transfer or return the product, activate this feature to reset all programmable features and to delete all data stored in memory. The following will be deleted.</p> <ul style="list-style-type: none"> <li>– Phonebook (or caller information)</li> <li>– Fax transmission data (journal report and faxes received in memory)</li> <li>– Email address (KX-MB2090 only)</li> </ul> <p>[<b>0</b>] “NO” (default)<br/>[<b>1</b>] “YES”</p> <ul style="list-style-type: none"> <li>• Disconnect the telephone line cord, USB cable and LAN cable (KX-MB2090 only) before activating this feature.</li> </ul> <p><b>To reset all features:</b></p> <ol style="list-style-type: none"> <li>1. [<b>MENU</b>] → [<b>#</b>][<b>1</b>][<b>5</b>][<b>9</b>]</li> <li>2. Press [<b>1</b>] to select “YES”. → [<b>SET</b>]</li> <li>3. Press [<b>1</b>] to select “YES”. → [<b>SET</b>]</li> </ol> |
| Setting the ringer pattern<br>[ <b>#</b> ][ <b>1</b> ][ <b>6</b> ][ <b>1</b> ]   | <p>[<b>1</b>] “A” (default)<br/>[<b>2</b>] “B”<br/>[<b>3</b>] “C”</p>   |
| Setting the beep sounds and keytones<br>[ <b>#</b> ][ <b>1</b> ][ <b>6</b> ][ <b>5</b> ]                               | <p>[<b>0</b>] “OFF”: Deactivate this feature.<br/>[<b>1</b>] “ON” (default): You will hear confirmation/error beep sounds and keytones.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• Even if this feature is set to “OFF”, the unit beeps in the following cases: <ul style="list-style-type: none"> <li>– the memory reception alert setting (feature #437 on page 64) is activated.</li> <li>– the top cover is opened.</li> </ul> </li> </ul>  |

## 9. Programmable Features

| Feature/Code   | Selection   |
|--|---|
| Changing the ring count in FAX ONLY mode<br>[ <b>#</b> ][2][1][0]                  | <p>[1] "1"<br/>           [2] "2" (default)<br/>           [3] "3"<br/>           [4] "4"<br/>           [5] "5"<br/>           [6] "6"<br/>           [7] "7"<br/>           [8] "8"<br/>           [9] "9"</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>If you are using the unit with an answering machine, set to more than 4 (page 48).</li> </ul>   |
| Setting the Caller ID list to print automatically<br>[ <b>#</b> ][2][1][6]         | <p>[0] "OFF" (default): The unit will not print the Caller ID list, but will keep records of the information for the last 30 callers.<br/>           [1] "ON": The unit will print the Caller ID list automatically after every 30 new calls (page 52).</p>   |
| Setting the time adjustment<br>[ <b>#</b> ][2][2][6]                               | <p>Using this feature, the unit's date and time setting will be automatically adjusted when caller information is received.<br/>           [1] "AUTO": The date and time setting will be automatically adjusted.<br/>           [2] "MANUAL" (default): Deactivates this feature.</p>   |
| Setting the recording paper size in the paper input tray<br>[ <b>#</b> ][3][8][0]  | <p>[1] "LETTER": Letter-size paper<br/>           [2] "A4" (default): A4-size paper<br/>           [4] "B5 (ISO)": B5(ISO)-size paper<br/>           [5] "B5 (JIS)": B5(JIS)-size paper<br/>           [6] "16K": 16K-size paper</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>When "B5 (ISO)", "B5 (JIS)" or "16K" is selected, received fax documents will be stored in memory.</li> </ul>   |
| Setting the recording paper size in the manual input tray<br>[ <b>#</b> ][3][8][1] | <p>[1] "LETTER": Letter-size paper<br/>           [2] "A4" (default): A4-size paper<br/>           [3] "LEGAL": Legal-size paper<br/>           [4] "B5 (ISO)": B5(ISO)-size paper<br/>           [5] "B5 (JIS)": B5(JIS)-size paper<br/>           [6] "16K": 16K-size paper<br/>           [7] "216X330"<br/>           [8] "216X340"</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>When you set feature #147 to "INCHES", the numbers are displayed in inches.</li> </ul> |
| Setting the recording paper type for paper input tray<br>[ <b>#</b> ][3][8][3]     | <p>[1] "PLAIN PAPER" (default): 75 g/m<sup>2</sup> to 90 g/m<sup>2</sup> paper.<br/>           [2] "THIN PAPER": 64 g/m<sup>2</sup> to 75 g/m<sup>2</sup> paper.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>This setting will be deactivated when printing from a computer. To set the recording paper type for printing, see page 28.</li> </ul>   |
| Setting the recording paper type for manual input tray<br>[ <b>#</b> ][3][8][4]    | <p>[1] "PLAIN PAPER" (default): 75 g/m<sup>2</sup> to 90 g/m<sup>2</sup> paper.<br/>           [2] "THIN PAPER": 64 g/m<sup>2</sup> to 75 g/m<sup>2</sup> paper.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>This setting will be deactivated when printing from a computer. To set the recording paper type for printing, see page 28.</li> </ul>   |

| Feature/Code   | Selection  |
|--|--|
| <b>Setting the waiting time for the power save mode</b><br><b>[#][4][0][3]</b> | <p>To set the length of time before the unit enters power save mode.</p> <p>[1] "1min" (default)<br/> [2] "5min"<br/> [3] "15min"<br/> [4] "30min"<br/> [5] "45min"</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>During power save mode, the unit needs to preheat the fuser unit before it can begin printing.</li> </ul>   |
| <b>Holding the previous contrast setting</b><br><b>[#][4][6][2]</b>            | <p>[0] "DISABLED" (default): Deactivates this feature.<br/> [1] "ENABLED": The unit will hold the previous setting.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>The previous setting will be held individually for copying.</li> <li>The previous setting will be held individually for sending faxes.</li> </ul>   |
| <b>Setting the default operation mode</b><br><b>[#][4][6][3]</b>               | <p>To select the default operation mode when the selected time of the mode timer (feature #464) passes.</p> <p>[1] "COPY" (default): Copy mode is selected as default.<br/> [2] "FAX": Fax mode is selected as default.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>You cannot select the scan mode using this feature.</li> </ul>  |
| <b>Setting the default operation mode timer</b><br><b>[#][4][6][4]</b>         | <p>To set the timer before returning to the default operation mode (feature #463).</p> <p>[0] "OFF": Deactivates this feature.<br/> [1] "30s": 30 seconds<br/> [2] "1min" (default): 1 minute<br/> [3] "2min": 2 minutes<br/> [4] "5min": 5 minutes</p>  |
| <b>Viewing the counter for departments</b><br><b>[#][4][7][9]</b>              | <p>See page 79 for details.</p>  |
| <b>Setting toner save feature</b><br><b>[#][4][8][2]</b>                       | <p>[0] "OFF" (default): Deactivates this feature.<br/> [1] "ON": The toner cartridge will last longer.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>This feature may lower the print quality by reducing toner consumption.</li> <li>This setting is valid for copying, and when the unit prints reports/lists.</li> <li>This setting is invalid for printing received faxes.</li> </ul> |

## 9. Programmable Features

### 9.1.2 Fax features

| Feature/Code  | Selection  |
|---|--|
| <b>Changing the TEL/FAX delayed ring count</b><br><b>[#][2][1][2]</b>                       | <p>If you use an extension telephone in TEL/FAX mode, select the desired number of times the extension telephone rings before the unit answers the call.</p> <p><b>[1]</b> “1”<br/><b>[2]</b> “2” (default)<br/><b>[3]</b> “3”<br/><b>[4]</b> “4”<br/><b>[5]</b> “5”<br/><b>[6]</b> “6”<br/><b>[7]</b> “7”<br/><b>[8]</b> “8”<br/><b>[9]</b> “9”</p> <p><b>Note:</b></p> <ul style="list-style-type: none"><li>See page 47 for details.</li></ul>                          |
| <b>Erasing all items stored for the one-touch dial and phonebook</b><br><b>[#][2][8][9]</b> | <p><b>[0]</b> “NO” (default)<br/><b>[1]</b> “YES”</p> <ul style="list-style-type: none"><li>Disconnect the telephone line cord, USB cable and LAN cable (KX-MB2090 only) before activating this feature.</li></ul> <p><b>To erase all items:</b></p> <ol style="list-style-type: none"><li><b>[MENU]</b> → <b>[#][2][8][9]</b></li><li>Press <b>[1]</b> to select “YES”. → <b>[SET]</b></li><li>Press <b>[1]</b> to select “YES”. → <b>[SET]</b> → <b>[MENU]</b></li></ol> |
| <b>Printing a sending report</b><br><b>[#][4][0][1]</b>                                     | <p><b>[0]</b> “OFF”: Sending reports will not be printed.<br/><b>[1]</b> “ON”: A sending report will be printed after every fax transmission.<br/><b>[2]</b> “ERROR” (default): A sending report will be printed only when fax transmission fails.</p>   |
| <b>Setting the journal report to print automatically</b><br><b>[#][4][0][2]</b>             | <p><b>[0]</b> “OFF”: The unit will not print a journal report, but will keep a record of the last 30 fax transmissions and receptions.<br/><b>[1]</b> “ON” (default): The unit will print a journal report automatically after every 30 new fax transmissions and receptions (page 39).</p>  |
| <b>Changing the receiving mode in the manual answer setting</b><br><b>[#][4][0][4]</b>      | <p><b>[1]</b> “TEL” (default): Telephone mode (page 46)<br/><b>[2]</b> “TEL/FAX”: Telephone/Fax mode (page 47)</p>   |
| <b>Changing the default fax resolution</b><br><b>[#][4][0][5]</b>                           | <p>To change the default resolution setting for fax.</p> <p><b>[1]</b> “STANDARD” (default): For normal-sized characters.<br/><b>[2]</b> “FINE”: For small-sized characters.<br/><b>[3]</b> “SUPER FINE”: For very small-sized characters.<br/><b>[4]</b> “PHOTO”: For photographs, shaded drawings, etc.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"><li>Using the “FINE”, “SUPER FINE” and “PHOTO” settings will increase transmission time.</li></ul>     |

| Feature/Code  | Selection   |
|---|---|
| <b>Sending documents overseas</b><br><b>[#][4][1][1]</b>              | <p>If you cannot send a fax overseas even if the number is correct and the line is connected, activate this feature before sending the fax.</p> <p>This feature improves the reliability by reducing the transmission speed.</p> <p><b>[0] “OFF”</b>: Deactivates this feature.</p> <p><b>[1] “NEXT FAX”</b>: This setting is effective only for the next attempted fax transmission. After transmission, the unit will return to the previous setting.</p> <p><b>[2] “ERROR”</b> (default): When the previous fax transmission fails and you wish to re-send the document.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• This feature is not available for broadcast transmission.</li> <li>• Calling charges may be higher than usual.</li> </ul>  |
| <b>Sending a fax at a specific time</b><br><b>[#][4][1][2]</b>        | <p>This feature allows you to take advantage of low-cost calling hours offered by your telephone company. This feature can be set up to 24 hours in advance of the desired time.</p> <p><b>[0] “OFF”</b> (default)</p> <p><b>[1] “ON”</b></p> <p><b>To send a document:</b></p> <ol style="list-style-type: none"> <li>1. If the <b>[FAX]</b> light is OFF, turn it ON by pressing <b>[FAX]</b>.</li> <li>2. Set the original (page 19).</li> <li>3. If necessary, change the resolution (page 39) and the contrast (page 39).</li> <li>4. <b>[MENU]</b> → <b>[#][4][1][2]</b></li> <li>5. Press <b>[1]</b> to select “ON”. → <b>[SET]</b></li> <li>6. Enter the fax number. <ul style="list-style-type: none"> <li>• To enter an item using one-touch dial feature and phonebook, see step 3 on “6.3.1 Using the scanner glass”, page 41. (When using phonebook, you do not have to press <b>[PHONEBOOK]</b> before pressing <b>[▼]</b> or <b>[▲]</b>.)</li> </ul> </li> <li>7. <b>[SET]</b></li> <li>8. Enter the transmission start time. <ul style="list-style-type: none"> <li>• If you selected 12-hour time entry (page 21), press <b>[*]</b> repeatedly to select AM or PM.</li> <li>• If you selected 24-hour time entry (page 21), the time is set using 24-hour time entry.</li> </ul> </li> <li>9. <b>When using the scanner glass</b>, press <b>[SET]</b>. → <b>[START]</b><br/> <b>When using the automatic document feeder</b>, press <b>[SET]</b>. <ul style="list-style-type: none"> <li>• The document will be fed into the unit and scanned into memory. The unit will then send the data at the specified time. You cannot use this feature for another fax transmission until the former sending is completed.</li> </ul> </li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• To cancel this setting after programming, press <b>[STOP]</b> while the unit is idle, and then press <b>[SET]</b>.</li> </ul> |
| <b>Setting the Error Correction Mode (ECM)</b><br><b>[#][4][1][3]</b> | <p>This feature is available when the sending / receiving fax machines are ECM compatible.</p> <p><b>[0] “OFF”</b>: Deactivates this feature.</p> <p><b>[1] “ON”</b> (default): Fax transmission / reception will be carried out so that the errors do not occur.</p>   |

## 9. Programmable Features

| Feature/Code  | Selection   |
|---|---|
| <b>Setting the connecting tone</b><br><b>[#][4][1][6]</b>                     | <p>If you often have trouble when sending faxes, this feature allows you to hear connecting tones: fax tone, ring back tone and busy tone. You can use these tones to confirm the status of the other party's machine.</p> <p><b>[0] "OFF":</b> Deactivates this feature.</p> <p><b>[1] "ON" (default):</b> You will hear connecting tones.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• If the ring back tone continues, the other party's machine may not be a fax machine or may have run out of paper. Check with the other party.</li> <li>• The connecting tone volume cannot be adjusted.</li> </ul> |
| <b>Setting the maximum fax speed</b><br><b>[#][4][1][8]</b>                   | <p><b>[1] "14.4kbps"</b></p> <p><b>[2] "33.6kbps" (default)</b></p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• The fax speed maybe lower than the selected speed depending on your line.</li> </ul>   |
| <b>Setting the quick scan mode</b><br><b>[#][4][1][9]</b>                     | <p><b>[0] "OFF" (default):</b> Deactivates this feature.</p> <p><b>[1] "ALWAYS":</b> The unit will scan the document and store it into memory first, then the unit will start sending the documents. You can send faxes without pressing <b>[QUICK SCAN]</b>.</p>   |
| <b>Confirming the destination before sending a fax</b><br><b>[#][4][2][0]</b> | <p><b>[0] "OFF" (default):</b> Deactivates this feature.</p> <p><b>[1] "ON":</b> You can send a fax after confirming the destination. When the displayed destination is correct, press <b>[START]</b> to send the fax.</p>  |
| <b>Setting dial keypad entry restriction</b><br><b>[#][4][2][1]</b>           | <p><b>[0] "OFF" (default):</b> Deactivates this feature.</p> <p><b>[1] "ON":</b> If you want to restrict the use of the dial keypad for manually dialling fax numbers (to avoid misdialling, for example), activate this feature.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• If you select "ON", you cannot make redial calls to fax numbers entered using the dial keypad.</li> <li>• If you select "ON", the fax number re-entry setting (feature #422 on page 62) will be deactivated.</li> </ul>  |
| <b>Setting the fax number re-entry before sending</b><br><b>[#][4][2][2]</b>  | <p><b>[0] "OFF" (default):</b> Deactivates this feature.</p> <p><b>[1] "ON":</b> If you dial a fax number manually using the dial keypad, you have to re-enter the number and press <b>[START]</b>. When the 2nd entry number matches the 1st entry number, you can send the fax.</p>   |
| <b>Confirming the next document</b><br><b>[#][4][2][4]</b>                    | <p><b>[0] "OFF" (default)</b></p> <p><b>[1] "ON":</b> After the document is scanned using the automatic document feeder during fax memory transmission, the message shows to confirm the next document. Insert the next document and press <b>[SET]</b>. → <b>[START]</b></p>   |
| <b>Activating the Distinctive Ring feature</b><br><b>[#][4][3][0]</b>         | <p><b>Important:</b></p> <ul style="list-style-type: none"> <li>• This feature is not available for KX-MB2085ML/KX-MB2090ML.</li> <li>• This feature is not available when "TUNISIA" is selected in feature #114 on page 55 (KX-MB2085CX/KX-MB2090CX only).</li> </ul> <p><b>[0] "OFF" (default)</b></p> <p><b>[1] "ON"</b></p> <p>See page 54 for details.</p>   |

| Feature/Code  | Selection  |
|---|--|
| <b>Setting the ring pattern for fax (Distinctive Ring feature)</b><br><b>[#][4][3][1]</b> | <b>Important:</b> <ul style="list-style-type: none"> <li>This feature is not available for KX-MB2085ML/KX-MB2090ML.</li> <li>This feature is not available when “TUNISIA” is selected in feature #114 on page 55 (KX-MB2085CX/KX-MB2090CX only).</li> </ul> <p> <b>[1]</b> “A”<br/> <b>[2]</b> “B”<br/> <b>[3]</b> “C”<br/> <b>[4]</b> “D”<br/> <b>[5]</b> “B-D” (default)<br/>           See page 54 for details.         </p>  |
| <b>Setting auto reduction feature</b><br><b>[#][4][3][2]</b>                              | To receive a fax document that is longer than your recording paper.<br><b>[0]</b> “OFF”: Deactivates this feature.<br><b>[1]</b> “ON” (default): The unit will fit received documents onto your recording paper.   |
| <b>Changing the fax activation code</b><br><b>[#][4][3][4]</b>                            | If you wish to use an extension telephone to receive faxes, activate this feature and program the activation code.<br><br><b>Important:</b> <ul style="list-style-type: none"> <li>The fax activation code must be different from the code that you programmed on the answering machine.</li> </ul> <p> <b>[0]</b> “OFF”<br/> <b>[1]</b> “ON” (default)           </p> <ol style="list-style-type: none"> <li><b>[MENU] → [#][4][3][4]</b></li> <li>Press <b>[1]</b> to select “ON”. → <b>[SET]</b></li> <li>Enter your code from 2 to 4 digits, using 0-9, <b>[*]</b> and <b>[#]</b>.               <ul style="list-style-type: none"> <li>The default code is “*#9”.</li> <li>Do not enter “0000”.</li> </ul> </li> <li><b>[SET] → [MENU]</b></li> </ol> |
| <b>Setting the auto disconnection</b><br><b>[#][4][3][5]</b>                              | To answer a call with an extension telephone in TEL/FAX mode (page 47), activate this feature and program the code.<br><b>[0]</b> “OFF”<br><b>[1]</b> “ON” (default) <ol style="list-style-type: none"> <li><b>[MENU] → [#][4][3][5]</b></li> <li>Press <b>[1]</b> to select “ON”. → <b>[SET]</b></li> <li>Enter your code from 2 to 4 digits, using 0-9 and <b>[*]</b>.               <ul style="list-style-type: none"> <li>The default code is “*0”.</li> </ul> </li> <li><b>[SET] → [MENU]</b></li> </ol>  |
| <b>Changing the silent fax recognition ring count</b><br><b>[#][4][3][6]</b>              | To change the number of times the unit rings while in TEL/FAX mode.<br><b>[3]</b> “3” (default)<br><b>[4]</b> “4”<br><b>[5]</b> “5”<br><b>[6]</b> “6”<br><b>[7]</b> “7”<br><b>[8]</b> “8”<br><b>[9]</b> “9”<br><br><b>Note:</b> <ul style="list-style-type: none"> <li>See page 47 for details.</li> </ul>   |

## 9. Programmable Features

| Feature/Code  | Selection   |
|---|---|
| <b>Setting the memory reception alert</b><br><b>[*][4][3][7]</b>                            | <p>To alert you with a beeping sound when a received fax document is stored into memory.</p> <p><b>[0]</b> “OFF”: Deactivates this feature.</p> <p><b>[1]</b> “ON” (default): You will hear a beeping sound.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>If documents are stored into memory due to some printing problem, the beeps will continue until you solve the problem. If a message is displayed, see page 84 to page 86 for directions on printing out the stored documents. Make sure the unit is supplied with enough paper to print the stored document.</li> <li>If documents are stored into memory due to activating the web fax preview (feature #448 on page 51), the unit will not beep. However, the unit will start to beep when the memory is nearly full (KX-MB2090 only).</li> </ul>               |
| <b>Setting friendly reception</b><br><b>[*][4][3][8]</b>                                    | <p>To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).</p> <p><b>[0]</b> “OFF”: You have to press <b>[START]</b>, and then <b>[2]</b> for fax reception.</p> <p><b>[1]</b> “ON” (default): You do not have to press <b>[START]</b>, and then <b>[2]</b> for fax reception.</p>   |
| <b>Receiving a fax into the computer</b><br><b>[*][4][4][2]</b>                             | <p>If you wish to receive a fax into a computer, activate this feature and run <b>[PC FAX]</b> from Multi-Function Station.</p> <p>This feature is available when the fax preview mode is turned OFF (feature #448 on page 51) (KX-MB2090 only).</p> <p><b>[0]</b> “OFF” (default): Deactivates this feature.</p> <p><b>[1]</b> “ALWAYS”: If the unit recognizes the connection to the computer, it will transfer received documents to the computer. If the unit cannot recognize the connection, it will store received documents into memory, and then transfer the data after recognition of the computer connection.</p> <p><b>[2]</b> “CONNECTED”: If the unit recognizes the connection to the computer, it will transfer received documents to the computer. If the unit cannot recognize the connection, it will print the data.</p> |
| <b>Setting the computer for PC fax reception</b><br><b>[*][4][4][3]</b><br>(KX-MB2090 only) | <p>To select the computer that will be used for receiving a fax. See page 50 for details.</p>   |
| <b>Setting the fax preview mode</b><br><b>[*][4][4][8]</b><br>(KX-MB2090 only)              | <p>See page 51 for details.</p>   |
| <b>Setting the web fax preview access code</b><br><b>[*][4][5][0]</b><br>(KX-MB2090 only)   | <ol style="list-style-type: none"> <li><b>[MENU]</b> → <b>[*][4][5][0]</b> → <b>[SET]</b></li> <li>Enter the password (feature #155 on page 57). → <b>[SET]</b></li> <li>Enter the web fax preview access code, up to 8 characters, using the English alphabet and numbers (see page 76 for character entry).             <ul style="list-style-type: none"> <li>The following symbols can also be entered using <b>[0]</b> or <b>[1]</b>.<br/>               ! @ # \$ % ^ &amp; ' ( . - _ { }</li> </ul> </li> <li><b>[SET]</b> → <b>[MENU]</b></li> </ol>   |
| <b>Setting notification of fax reception</b><br><b>[*][4][5][1]</b>                         | <p><b>[0]</b> “OFF” (default): Deactivates this feature.</p> <p><b>[1]</b> “ON”: The computer connected to your unit using USB/LAN will receive a notification when a fax document is received.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li><b>For LAN connection (KX-MB2090 only):</b> Register computers to which fax reception notifications will be sent through the web browser interface (page 72).</li> </ul>   |



| Feature/Code  | Selection  |
|---|--|
| <b>Setting the fax to email address</b><br><b>[#][4][5][2]</b><br><b>(KX-MB2090 only)</b> | <p>If you wish to transfer a received fax document to desired email address, activate this feature.</p> <p><b>[0]</b> “OFF” (default): Deactivates this feature.</p> <p><b>[1]</b> “ON”: If you set the email destinations beforehand (page 73), the received fax document will be automatically transferred as an email attachment to the desired address.</p>  |
| <b>Erasing all received fax memory</b><br><b>[#][4][5][8]</b>                             | <p><b>[0]</b> “NO” (default)</p> <p><b>[1]</b> “YES”</p> <ul style="list-style-type: none"> <li>• Disconnect the following cables before activating this feature. <ul style="list-style-type: none"> <li>– Telephone line cord</li> <li>– USB cable</li> <li>– LAN cable (KX-MB2090 only)</li> </ul> </li> </ul> <p><b>To erase all received fax:</b></p> <ol style="list-style-type: none"> <li>1. <b>[MENU] → [#][4][5][8]</b></li> <li>2. Press <b>[1]</b> to select “YES”. → <b>[SET] → [SET] → [MENU]</b></li> </ol>  |
| <b>Resetting fax features to their default settings</b><br><b>[#][4][5][9]</b>            | <p><b>[0]</b> “NO” (default)</p> <p><b>[1]</b> “YES”</p> <p><b>To reset the fax features:</b></p> <ol style="list-style-type: none"> <li>1. <b>[MENU] → [#][4][5][9]</b></li> <li>2. Press <b>[1]</b> to select “YES”. → <b>[SET] → [SET] → [MENU]</b></li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• If you select “YES”, the unit will automatically print out any received fax documents that have been stored into memory: <ul style="list-style-type: none"> <li>– PC fax setting (feature #442 on page 64).</li> <li>– Fax preview (feature #448 on page 51) (KX-MB2090 only).</li> </ul> </li> </ul> |

## 9. Programmable Features

### 9.1.3 Copy features

| Feature/Code  | Selection  |
|---|--|
| <b>Setting the input tray to use for copy</b><br>[F4]6[0]   | <b>[1] “#1”</b> (default): The paper input tray is selected. The displayed paper size depends on the recording paper size setting (feature #380 on page 58).<br><b>[2] “#2”</b> : The manual input tray is selected. The displayed paper size depends on the recording paper size setting (feature #381 on page 58). |
| <b>Changing the default copy resolution</b><br>[F4]6[1]     | To change the default resolution setting for copying.<br><b>[1] “TEXT/PHOTO”</b> (default): For documents containing both text and photographs.<br><b>[2] “TEXT”</b> : For documents containing only text.<br><b>[3] “PHOTO”</b> : For documents containing photographs, shaded drawings, etc.                       |
| <b>Holding the previous page layout setting</b><br>[F4]6[7] | <b>[0] “DISABLED”</b> (default): Deactivates this feature.<br><b>[1] “ENABLED”</b> : The unit will hold the previous setting.  |
| <b>Holding the previous zoom setting</b><br>[F4]6[8]        | <b>[0] “DISABLED”</b> (default): Deactivates this feature.<br><b>[1] “ENABLED”</b> : The unit will hold the previous setting.  |
| <b>Holding the previous collate setting</b><br>[F4]6[9]     | <b>[0] “DISABLED”</b> (default): Deactivates this feature.<br><b>[1] “ENABLED”</b> : The unit will hold the previous setting.  |
| <b>Holding the previous edge setting</b><br>[F4]7[3]        | <b>[0] “DISABLED”</b> (default): Deactivates this feature.<br><b>[1] “ENABLED”</b> : The unit will hold the previous setting.  |
| <b>Setting the frame margin</b><br>[F4]7[4]                 | <b>[0] “DISABLED”</b> (default): Deactivates this feature.<br><b>[1] “ENABLED”</b> : Your copies will be automatically reduced according to the margin setting.  |
| <b>Holding the previous margin setting</b><br>[F4]7[5]      | <b>[0] “DISABLED”</b> (default): Deactivates this feature.<br><b>[1] “ENABLED”</b> : The unit will hold the previous setting.  |

## 9.1.4 PC print features

| Feature/Code  | Selection   |
|---|---|
| <b>Changing the data timeout setting</b><br><b>【#】【7】【7】【4】</b> | <p>The unit will automatically print the remaining data in memory when the computer does not send data to the unit during the set time.</p> <ol style="list-style-type: none"> <li>1. <b>【MENU】 → 【#】【7】【7】【4】 → 【SET】</b></li> <li>2. Enter the desired data timeout setting from “005” seconds to “600” seconds, using the dial keypad. <ul style="list-style-type: none"> <li>• The default setting is “060” seconds.</li> </ul> </li> <li>3. <b>【SET】 → 【MENU】</b></li> </ol> |
| <b>Setting mutual A4/letter print</b><br><b>【#】【7】【7】【6】</b>    | <p>This feature allows printing in A4-size even if letter-size recording paper is loaded in the paper input tray, and vice versa.</p> <p><b>【0】 “OFF”</b>: Deactivates this feature.</p> <p><b>【1】 “ON”</b> (default): Printing is possible between A4/letter-size.</p>   |

### 9.1.5 Scan features

| Feature/Code  | Selection   |
|---|---|
| <b>Setting the scan mode for Push Scan</b><br><b>[#][4][9][3]</b>                   | <p><b>[1] “VIEWER”</b> (default): The scanned image will be displayed in the <b>[Multi-Function Viewer]</b> window.</p> <p><b>[2] “FILE”</b>: The scanned image will be saved as a file.</p> <p><b>[3] “EMAIL”</b>: The scanned image will be saved for email attachment.</p> <p><b>[4] “OCR”</b>: The scanned image will be displayed in the OCR window.</p> <p><b>[5] “EMAIL ADDRESS”</b>: The scanned image will be sent as an attachment without using email software.</p> <p><b>[6] “FTP SERVER”</b>: The scanned image will be sent to the pre-programmed folder on the FTP server.</p> <p><b>[7] “SMB FOLDER”</b>: The scanned image will be sent to the pre-programmed SMB folder.</p> <p><b>Note:</b></p> <ul style="list-style-type: none"><li>• Following selections will be displayed only when the server setting is programmed through the web browser interface in advance (KX-MB2090 only).<ul style="list-style-type: none"><li>– “EMAIL ADDRESS” will be displayed when the email server setting is programmed (page 74).</li><li>– “FTP SERVER” will be displayed when the FTP server setting is programmed (page 73).</li><li>– “SMB FOLDER” will be displayed when the SMB folder setting is programmed (page 73).</li></ul></li></ul> |
| <b>Holding the previous scanning parameter for Push Scan</b><br><b>[#][4][9][4]</b> | <p><b>[0] “DISABLED”</b> (default): Deactivates this feature.</p> <p><b>[1] “ENABLED”</b>: The unit will hold the previous scan settings for each mode of push scan.</p>  |

## 9.1.6 LAN features (KX-MB2090 only)

| Feature/Code  | Selection   |
|---|---|
| <b>LAN setting with a DHCP server</b><br>[F4][5][0][0]                          | <p>[0] “DISABLED”: Deactivates this feature.</p> <p>[1] “ENABLED” (default): The following will be allocated automatically using a DHCP (Dynamic Host Configuration Protocol) server.</p> <ul style="list-style-type: none"> <li>– IP address</li> <li>– Subnet mask</li> <li>– Default gateway</li> </ul>  |
| <b>Setting the IP address for the LAN connection</b><br>[F4][5][0][1]           | <p>This feature is available when feature #500 is deactivated.</p> <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][1] → [SET]</li> <li>2. Enter the IP address of the unit on the LAN using the dial keypad. → [SET] → [MENU]</li> </ol>  |
| <b>Setting the Subnet mask for the LAN connection</b><br>[F4][5][0][2]          | <p>This feature is available when feature #500 is deactivated.</p> <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][2] → [SET]</li> <li>2. Enter the subnet mask of the network on the LAN using the dial keypad. → [SET] → [MENU]</li> </ol>  |
| <b>Setting the default gateway for the LAN connection</b><br>[F4][5][0][3]      | <p>This feature is available when feature #500 is deactivated.</p> <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][3] → [SET]</li> <li>2. Enter the default gateway of the network on the LAN using the dial keypad. → [SET] → [MENU]</li> </ol>  |
| <b>Setting the primary DNS server for the LAN connection</b><br>[F4][5][0][4]   | <p>This feature is available when feature #500 is deactivated.</p> <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][4] → [SET]</li> <li>2. Enter the primary DNS server of the network on the LAN using the dial keypad. → [SET] → [MENU]</li> </ol>   |
| <b>Setting the secondary DNS server for the LAN connection</b><br>[F4][5][0][5] | <p>This feature is available when feature #500 is deactivated.</p> <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][5] → [SET]</li> <li>2. Enter the secondary DNS server of the network on the LAN using the dial keypad. → [SET] → [MENU]</li> </ol>   |
| <b>Setting the machine name</b><br>[F4][5][0][7]                                | <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][7] → [SET]</li> <li>2. Enter the name of the unit to recognize on the LAN, up to 15 characters, using the English alphabet and numbers (see page 76 for character entry). <ul style="list-style-type: none"> <li>• The first and last letter must be an English alphabet or numbers.</li> <li>• Hyphen can also be entered using [1].</li> </ul> </li> <li>3. [SET] → [MENU]</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• In order to recognize the unit on the LAN, the default name of the unit is assigned automatically. If you change the name, assign a unique name to avoid overlapping.</li> </ul> |
| <b>Displaying the MAC address of the unit</b><br>[F4][5][0][8]                  | <ol style="list-style-type: none"> <li>1. [MENU] → [F4][5][0][8] → [SET]</li> <li>2. The MAC address of the unit will be displayed. → [MENU]</li> </ol>   |
| <b>Setting the Bonjour feature</b><br>[F4][5][1][3]                             | <p>[0] “DISABLED”: Deactivates this feature.</p> <p>[1] “ENABLED” (default): The Bonjour feature is enabled.</p>  |
| <b>Viewing the network status</b><br>[F4][5][2][6]                              | See page 88 for details.  |
| <b>IP filtering for the LAN connection</b><br>[F4][5][3][2]                     | <p>[0] “DISABLED” (default): Deactivates this feature.</p> <p>[1] “ENABLED”: The unit will deny/approve access from the pre-programmed IP patterns. You can program whether to deny or approve IP addresses. Up to 4 patterns each for IPv4 and IPv6 can be programmed through the web browser interface (page 74).</p>   |

## 9. Programmable Features

| Feature/Code   | Selection  |
|--|--|
| <b>Setting the IP address automatically for the LAN connection</b><br>[ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>3</b> ]                                   | This feature will be displayed only when feature #500 is activated.<br>[ <b>0</b> ] “ <b>DISABLED</b> ” (default): Deactivates this feature.<br>[ <b>1</b> ] “ <b>ENABLED</b> ”: IP address will be allocated automatically without using a DHCP (Dynamic Host Configuration Protocol) server.   |
| <b>Setting HTTPD for the LAN connection</b><br>[ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>4</b> ]  | [ <b>0</b> ] “ <b>DISABLED</b> ”: Denies access to the web server.<br>[ <b>1</b> ] “ <b>ENABLED</b> ” (default): Allows access to the web server.  |
| <b>IPv6 protocol</b><br>[ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>5</b> ]   | [ <b>0</b> ] “ <b>DISABLED</b> ” (default): Deactivates this feature.<br>[ <b>1</b> ] “ <b>ENABLED</b> ”: IPv6 protocol can be used. After installing the printer driver, be sure to change the port to IPv6 protocol. You can check the IPv6 protocol address by printing the “ <b>SETUP LIST</b> ” (page 109).<br><br><b>Note:</b> <ul style="list-style-type: none"><li>● To activate this feature, you need to turn the power switch of the unit OFF, then ON.</li></ul>   |
| <b>Setting the primary WINS server for the LAN connection</b><br>[ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>8</b> ]  | This feature is available when feature #500 is deactivated.<br>1. [ <b>MENU</b> ] → [ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>8</b> ] → [ <b>SET</b> ]<br>2. Enter the primary WINS server of the network on the LAN using the dial keypad. → [ <b>SET</b> ] → [ <b>MENU</b> ]  |
| <b>Setting the secondary WINS server for the LAN connection</b><br>[ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>9</b> ]                                      | This feature is available when feature #500 is deactivated.<br>1. [ <b>MENU</b> ] → [ <b>#</b> ][ <b>5</b> ][ <b>3</b> ][ <b>9</b> ] → [ <b>SET</b> ]<br>2. Enter the secondary WINS server of the network on the LAN using the dial keypad. → [ <b>SET</b> ] → [ <b>MENU</b> ]  |
| <b>Erasing all email addresses, FTP destinations, and SMB folder destinations stored in the unit</b><br>[ <b>#</b> ][ <b>5</b> ][ <b>7</b> ][ <b>8</b> ] | [ <b>0</b> ] “ <b>NO</b> ” (default)<br>[ <b>1</b> ] “ <b>YES</b> ” <ul style="list-style-type: none"><li>● Disconnect the telephone line cord, USB cable and LAN cable before activating this feature.</li></ul><br><b>To erase all email addresses:</b><br>1. [ <b>MENU</b> ] → [ <b>#</b> ][ <b>5</b> ][ <b>7</b> ][ <b>8</b> ]<br>2. Press [ <b>1</b> ] to select “ <b>YES</b> ”. → [ <b>SET</b> ]<br>3. Press [ <b>1</b> ] to select “ <b>YES</b> ”. → [ <b>SET</b> ] → [ <b>MENU</b> ]<br><br><b>To erase FTP destinations:</b><br>1. [ <b>MENU</b> ] → [ <b>#</b> ][ <b>5</b> ][ <b>7</b> ][ <b>8</b> ]<br>2. Press [ <b>1</b> ] to select “ <b>YES</b> ”. → [ <b>SET</b> ]<br>3. Press [ <b>0</b> ] to select “ <b>NO</b> ”. → [ <b>SET</b> ]<br>4. Press [ <b>1</b> ] to select “ <b>YES</b> ”. → [ <b>SET</b> ] → [ <b>MENU</b> ]<br><br><b>To erase SMB folder destinations:</b><br>1. [ <b>MENU</b> ] → [ <b>#</b> ][ <b>5</b> ][ <b>7</b> ][ <b>8</b> ]<br>2. Press [ <b>1</b> ] to select “ <b>YES</b> ”. → [ <b>SET</b> ]<br>3. Press [ <b>0</b> ] to select “ <b>NO</b> ”. → [ <b>SET</b> ]<br>4. Press [ <b>0</b> ] to select “ <b>NO</b> ”. → [ <b>SET</b> ]<br>5. Press [ <b>1</b> ] to select “ <b>YES</b> ”. → [ <b>SET</b> ] → [ <b>MENU</b> ] |

| Feature/Code                                       | Selection   |
|--|---|
| <b>Setting the LAN mode</b><br><b>【#】【5】【8】【0】</b> | <p><b>Important:</b></p> <ul style="list-style-type: none"><li>● To set this feature, make sure that:<ul style="list-style-type: none"><li>– The unit is in standby mode.</li><li>– The document is not set on the automatic document feeder.</li><li>– The recording paper is not set to the manual input tray.</li><li>– The delayed send feature is not activated (feature #412 on page 61).</li></ul></li></ul> <p><b>【0】</b> “OFF”: Deactivates this feature.</p> <p><b>【1】</b> “WIRED” (default): The LAN feature is activated.</p> |

9.2 Programming through a web browser (KX-MB2090 only)

You can change features through the web browser interface instead of the unit.

- 1 Start Multi-Function Station. → [Device] → [Configuration Web Page]
  - You can also access the unit by entering its IP address in a web browser.
- 2 Select the desired category from the menu bar.  
[Device]: features of the unit  
[Network]: network features
- 3 Type “root” as the user name, then enter the password (feature #155 on page 57). → [OK]
- 4 Select the desired feature from the menu.
- 5 Change the settings or edit the information.
  - This step will vary depending on the feature.
- 6 [Submit]
  - The new setting will be transferred to the unit.
- 7 Close the web browser.

Note:

- The settings displayed in the web browser can be updated by clicking [Reload].

9.2.1 Device features

You can program the features of the unit in the [Device] menu.

- Most features can be programmed from the unit. For details about the features and selections, see pages 55 to 71 (“9.1 Programming from the unit”).
- The following features can be programmed only through the web browser interface.

| Feature  | Selection  |
|--|--|
| Setting the PC information for notification of fax reception | Select the PC to send fax reception notification message to (up to 6 destinations).<br>1. Start Multi-Function Station.<br>2. [Device] → [Configuration Web Page] → [Device]<br>3. Type “root” as the user name, then enter the password (feature #155 on page 57). → [OK]<br>4. Select the [FAX FEATURE] from the menu.<br>5. Select [ON] from the [RECEIVE NOTIFY] drop-down list.<br>6. Click [Edit] next to [RECEIVE PC LIST].<br>7. Click [List] next to the desired destination.<br>8. Click the desired PC from the list. → [Submit]<br>9. Close the web browser. |



| Feature   | Selection   |
|---|---|
| <b>Setting the fax to email destinations</b>          | <p>Select email destinations where you want to automatically send received fax documents to (up to 6 destinations).</p> <p><b>Important:</b></p> <ul style="list-style-type: none"> <li>• <b>Program the email server settings (page 74), and the email destinations (page 75) beforehand.</b></li> </ul> <ol style="list-style-type: none"> <li>1. Start Multi-Function Station.</li> <li>2. <b>[Device] → [Configuration Web Page] → [Device]</b></li> <li>3. Type “<b>root</b>” as the user name, then enter the password (feature #155 on page 57). → <b>[OK]</b></li> <li>4. Select the <b>[FAX FEATURE]</b> from the menu.</li> <li>5. Select <b>[ON]</b> from the <b>[FAX AUTO EMAIL]</b> drop-down list.</li> <li>6. Click <b>[Edit]</b> next to <b>[DESTINATION]</b>.</li> <li>7. Click <b>[Address Book]</b> next to the desired destination.</li> <li>8. Click the name that you want to send the received fax documents to.</li> <li>9. <b>[Submit]</b></li> <li>10. Close the web browser.</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• To check the status of the last 15 transfers, click <b>[List]</b> next to <b>[RESULT]</b> in step 6.</li> </ul> |
| <b>Setting the information for scan to FTP</b>        | <p>When you send scanned files to an FTP server, you can register the FTP destinations (up to 6 destinations) to the unit through the web browser interface.</p> <ol style="list-style-type: none"> <li>1. Start Multi-Function Station.</li> <li>2. <b>[Device] → [Configuration Web Page] → [Device]</b></li> <li>3. Type “<b>root</b>” as the user name, then enter the password (feature #155 on page 57). → <b>[OK]</b></li> <li>4. Select <b>[SCAN FEATURE]</b> from the menu.</li> <li>5. Click <b>[Edit]</b> next to <b>[FTP SERVER]</b>.</li> <li>6. Click <b>[Edit]</b> next to the desired FTP server.</li> <li>7. Enter the server name, IP address, folder path, etc. → <b>[Submit]</b></li> <li>8. Close the web browser.</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• If you do not enter a folder path in step 7, the scanned image will be saved in the root folder.</li> </ul>   |
| <b>Setting the information for scan to SMB folder</b> | <p>When you send scanned files to an SMB folder, you can register the SMB folder destinations (up to 6 destinations) to the unit through the web browser interface.</p> <ol style="list-style-type: none"> <li>1. Start Multi-Function Station.</li> <li>2. <b>[Device] → [Configuration Web Page] → [Device]</b></li> <li>3. Type “<b>root</b>” as the user name, then enter the password (feature #155 on page 57). → <b>[OK]</b></li> <li>4. Select <b>[SCAN FEATURE]</b> from the menu.</li> <li>5. Click <b>[Edit]</b> next to <b>[SMB FOLDER]</b>.</li> <li>6. Click <b>[Edit]</b> next to the desired SMB folder.</li> <li>7. Enter the folder name and account information.</li> <li>8. Click <b>[Browse]</b>, and select a desired computer and/or folder directory from the list. → <b>[OK]</b> <ul style="list-style-type: none"> <li>• You can also enter the folder directory manually.</li> </ul> </li> <li>9. <b>[Submit]</b></li> <li>10. Close the web browser.</li> </ol>   |

### 9.2.2 Network features

| Feature   | Menu             | Selection  |
|---|------------------|--|
| Setting the LAN features  | [LAN FEATURE]    | Enter the LAN feature settings. See page 69 for details.   |
| Setting the IP filtering  | [LAN FEATURE]    | <p>Enter the IP filtering information.</p> <ol style="list-style-type: none"> <li>1. Start Multi-Function Station.</li> <li>2. [Device] → [Configuration Web Page] → [Network]</li> <li>3. Type “root” as the user name, then enter the password (feature #155 on page 57). → [OK]</li> <li>4. Select the [LAN FEATURE] from the menu.</li> <li>5. Click [Edit] next to [IP FILTERING].</li> <li>6. Click [Edit] next to [FILTER (IPv4)]/[FILTER (IPv6)].</li> <li>7. Change the mode and edit IP filtering information. → [Submit]</li> <li>8. Close the web browser.</li> </ol>  |
| Setting the community name for SNMP   | [SNMP]           | Enter the SNMP community name. Consult your service provider or network administrator for details.   |
| Setting the location where you use this unit  | [SNMP]/[BONJOUR] | Enter the location information of the unit.  |
| Setting the service name for Bonjour  | [BONJOUR]        | Enter the Bonjour service name.  |
| Displaying the link local address for IPv6  | [IPv6]           | The link local address will be displayed.  |
| Displaying the IPv6 address for auto configuration  | [IPv6]           | The IP address for auto configuration will be displayed.   |
| Setting the IP address for IPv6   | [IPv6]           | Enter the IP address for IPv6. Consult your service provider or network administrator for details.   |
| Setting the default router for IPv6   | [IPv6]           | Enter the default router address for IPv6. Consult your service provider or network administrator for details.   |
| Setting the information for scan to FTP   | [FTP FEATURE]    | Enter the FTP server information to send scanned images from the unit to an FTP server. See page 73 for details.   |
| Setting the information for scan to SMB   | [SMB FEATURE]    | Enter the SMB folder information to send scanned images from the unit to an SMB folder. See page 73 for details.   |
| Setting the email server information for scan to email address, fax to email address and error notify | [EMAIL FEATURE]  | <p>Enter the email server information to send scanned image, fax message and error notify from the unit via an email.</p> <ol style="list-style-type: none"> <li>1. Start Multi-Function Station.</li> <li>2. [Device] → [Configuration Web Page] → [Network]</li> <li>3. Type “root” as the user name, then enter the password (feature #155 on page 57). → [OK]</li> <li>4. Select the [EMAIL FEATURE] from the menu.</li> <li>5. Click [Edit] next to [EMAIL SERVER].</li> <li>6. Enter email address (from), email server information, and time zone.</li> <li>7. [Submit]</li> <li>8. Close the web browser.</li> </ol> |

| Feature   | Menu            | Selection  |
|---|-----------------|--|
| Registering the email address destinations            | [EMAIL FEATURE] | <p>Register email destinations (up to 30 destinations). These addresses can be used as destinations for the following features.</p> <ul style="list-style-type: none"> <li>– Scan to email address (page 30)</li> <li>– Fax to email address (page 45)</li> </ul> <ol style="list-style-type: none"> <li>1. Start Multi-Function Station.</li> <li>2. [Device] → [Configuration Web Page] → [Network]</li> <li>3. Type “root” as the user name, then enter the password (feature #155 on page 57). → [OK]</li> <li>4. Select the [EMAIL FEATURE] from the menu.</li> <li>5. Click [Edit] next to [ADDRESS BOOK].</li> <li>6. Click [Edit] next to the desired item you want to register.</li> <li>7. Enter the name and email address. <ul style="list-style-type: none"> <li>• Select the station key number from the drop-down list if necessary.</li> </ul> </li> <li>8. [Submit]</li> <li>9. Close the web browser.</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>• You can register email destinations using the unit (page 80).</li> </ul> |
| Setting the error notify feature                      | [ERROR NOTIFY]  | <p><b>[ENABLED]:</b> The unit will send an email to registered destinations when a problem occurs.</p> <p><b>[DISABLED]</b> (default): Deactivates this feature.</p>   |
| Registering destinations for the error notify feature | [ERROR NOTIFY]  | <p>Enter the email address to which error notifications will be sent and select the types of problems.</p> <p><b>[LIFE WARNING]:</b> A warning indicating that the toner cartridge or drum cartridge needs to be replaced soon.</p> <p><b>[MEDIA PATH ERROR]:</b> An error indicating that there is a problem with an input tray.</p> <p><b>[LIFE ERROR]:</b> An error indicating that the toner cartridge or drum cartridge needs to be replaced.</p>   |

### 10.1 Character entry

The dial keypad is used to enter characters and numbers.

- Press **[◀]** or **[▶]** to move the cursor.
- Press the dial keys to enter characters and numbers.
- Press **[STOP]** to erase the character or number highlighted by the cursor. Press and hold **[STOP]** to erase all characters or numbers.
- To enter another character located on the same dial key, press **[▶]** to move the cursor to the next space, then press the appropriate dial key.

| Keypad         | Characters  |
|----------------|---|
| <b>[1]*1</b>   | 1 . _ - [ ] { } +<br>/ = , ` : ; ?                |
| <b>[2]</b>     | A B C 2<br>a b c 2                                |
| <b>[3]</b>     | D E F 3<br>d e f 3                                |
| <b>[4]</b>     | G H I 4<br>g h i 4                                |
| <b>[5]</b>     | J K L 5<br>j k l 5                                |
| <b>[6]</b>     | M N O 6<br>m n o 6                                |
| <b>[7]</b>     | P Q R S 7<br>p q r s 7                            |
| <b>[8]</b>     | T U V 8<br>t u v 8                                |
| <b>[9]</b>     | W X Y Z 9<br>w x y z 9                            |
| <b>[0]*1</b>   | 0 @ ( ) < > ! " #<br>\$ % & \ * ^ ' →             |
| <b>[*]</b>     | To switch between uppercase or lowercase letters. |
| <b>[FLASH]</b> | Hyphen  |
| <b>[ZOOM]</b>  | To insert a space.                                |
| <b>[STOP]</b>  | To delete a character.                            |

\*1 Several types of symbols cannot be entered for certain features.

#### To select characters using **[▼]** or **[▲]**

Instead of pressing the dial keys, you can select characters using **[▼]** or **[▲]**.

1. Press **[▼]** repeatedly to display the desired character. Characters will be displayed in the following order:
  - ① Uppercase letters
  - ② Numbers
  - ③ Symbols

④ Lowercase letters\*1

\*1 When you enter email address (i.e. scan to email address feature on page 30), lowercase letters will be displayed first (KX-MB2090, LAN connection only).

- If you press **[▲]**, the order will be reversed.
2. Press **[▶]** to insert the displayed character.
  3. Return to step 1 to enter the next character.

## 10.2 Status of the unit

### 10.2.1 Using Remote Control

You can easily operate the following functions from your computer.

- Programming the features (page 55)
- Storing, editing or erasing items in phonebook (page 40)
- Storing or erasing items for broadcast transmission (page 42)
- Viewing items in the journal report (page 39)
- Saving the journal report on your computer
- Viewing items in the Caller ID list (page 52)
- Storing caller information into phonebook (page 53)
- Storing, editing or erasing items in email address book (page 80) (KX-MB2090 only)
- Saving the Caller ID list on your computer
- Using CSV format (Comma Separated Values format) to import or export the following:
  - Phonebook
  - Email address book (KX-MB2090 only)

- 1 Start Multi-Function Station. → **[Device]** → **[Remote Control]**
  - The **[Multi-Function Remote Control]** window will appear.
- 2 Select the desired tab.
  - The latest data in the unit will be displayed.
- 3 Perform the desired operation.
  - For details about each function, click **[Help]**.
  - To stop the operation, click **[Cancel]**.
- 4 **[OK]**
  - You can also click **[Apply]** to continue the next operation without closing the window.
- 5 Enter the password (feature #155 on page 57). → **[OK]**
  - The new data will be transferred to the unit and the window will close.

**Note:**

- Some of the features cannot be programmed from your computer.
- When another person is adjusting stored data in the unit, it may be overwritten. Make sure the unit is not currently being used for the same function.

### 10.2.2 Using Device Monitor

You can confirm the setting information and current status of the unit from your computer.

- 1 Start Multi-Function Station.
- 2 **[Device]** → **[Device Monitor]**
  - The **[Device Monitor]** window will appear.
- 3 Confirm the status of the unit.  
**[Status]:** Current status of the unit

**Note:**

- Additional information (toner and recording paper status, unit information, etc.) will be displayed in **[Status]** tab by clicking **[Advanced Information]**.
- You can update the status of the unit by clicking **[Refresh]**.
- If a printing error occurs, the Device Monitor will start automatically and display the error information.
- For details, see the help file by selecting **[Help]** from Multi-Function Station.

### 10.2.3 Using the web browser (KX-MB2090, LAN connection only)

You can confirm the setting information and status of the unit from the web browser.

- 1 Start Multi-Function Station. → **[Device]** → **[Configuration Web Page]**
  - You can also access the unit by entering its IP address in a web browser.
- 2 Select a category from the menu.  
**[Status]:** Toner, drum and paper information, etc.  
**[Information]:** Current status of the unit and network information, etc.
- 3 Confirm the status of the unit.

**Note:**

- You can update the status of the unit by clicking **[Reload]**.

### 10.3 Cancelling the operations

You can cancel the current operation from the unit. You can also select the desired operation to cancel.

#### 1 [STOP]

- If the desired operation is not cancelled, go to step 2.

#### 2 To cancel printing:

Press **[STOP]** repeatedly to display “**STOP PRINTING?**”.

#### To cancel scanning:

Press **[STOP]** repeatedly to display “**STOP SCANNING?**”.

#### To cancel copying:

Press **[STOP]** repeatedly to display “**STOP COPYING?**”.

#### To cancel sending or receiving faxes:

Press **[STOP]** repeatedly to display “**STOP FAX?**”.

#### To cancel broadcast transmission:

Press **[STOP]** repeatedly to display “**BROADCAST CANCELLED?**”.

#### To cancel fax redialling:

Press **[STOP]** repeatedly to display “**SEND CANCELLED?**”.

#### 3 [SET]

### 10.4 Mode restriction

You can restrict outputs by enabling the department code.

Only users who know the department code can:

- make a copy (page 33)
- print a document (page 28)

#### Note:

- You can set department codes and restriction settings for individual departments (up to 10 departments).
- To use the mode restriction feature, please do not allow many people to know the administrator code.

#### 10.4.1 Setting the mode restriction

##### Activating the mode restriction

1. **[MENU]** → **[#][1][5][4]** → **[SET]**
2. Enter the administrator code (feature #151 on page 56). → **[SET]**
3. Press **[1]** to select “ON”.
  - Press **[0]** to select “OFF”.
4. **[SET]** → **[MENU]**

##### Setting mode restriction for departments

#### Important:

- **Make sure feature #154 is set to “ON” beforehand (page 78).**
1. Press **[MENU]** repeatedly to display “**DEPARTMENT SETUP**”. → **[▶]**
  2. Enter the administrator code (feature #151 on page 56). → **[SET]**
  3. Press **[◀]** or **[▶]** repeatedly to select “**NEW**”. → **[SET]**
  4. Enter the name, up to 16 characters (see page 76 for character entry). → **[SET]**
  5. Enter a 4-digit department code using 0–9. → **[SET]**
  6. If necessary, change the “**PRINT**” or “**COPY**” setting. Press **[▼]** or **[▲]** repeatedly to select the desired setting. → **[SET]**
  7. **[MENU]**

##### Editing mode restriction for departments

#### Important:

- **Make sure feature #154 is set to “ON” beforehand (page 78).**
1. Press **[MENU]** repeatedly to display “**DEPARTMENT SETUP**”. → **[▶]**
  2. Enter the administrator code (feature #151 on page 56). → **[SET]**
  3. Press **[◀]** or **[▶]** repeatedly to select “**EDIT**”. → **[SET]**

4. Press [▼] or [▲] repeatedly to display the desired item. → [MENU] → [✱]
5. Edit the name if necessary. → [SET]
6. Edit the department code if necessary. → [SET]
7. Edit the department settings if necessary. Press [▼] or [▲] repeatedly to select the desired setting. → [SET]
8. [STOP] → [MENU]

---

#### Erasing a stored item

##### Important:

- **Make sure feature #154 is set to “ON” beforehand (page 78).**
1. Press [MENU] repeatedly to display “DEPARTMENT SETUP”. → [▶]
  2. Enter the administrator code (feature #151 on page 56). → [SET]
  3. Press [◀] or [▶] repeatedly to select “EDIT”. → [SET]
    - To erase all items, press [◀] or [▶] repeatedly to select “ERASE ALL”. → [SET] → [SET] → [STOP]
  4. Press [▼] or [▲] repeatedly to display the desired item. → [MENU] → [✱]
    - To cancel erasing, press [STOP].
  5. [SET] → [MENU]

---

### 10.4.2 Counter view and print for departments

---

#### Viewing the count number of copies/prints for departments

1. [MENU] → [✱][4][7][9] → [SET]
2. Enter the administrator code (feature #151 on page 56). → [SET]
3. Press [▼], [▲], [◀] or [▶] repeatedly to select the desired item. → [MENU]

---

#### Printing the reports of the count number of copies/prints for departments

1. Press [MENU] repeatedly to display “PRINT REPORT”.
2. Press [◀] or [▶] repeatedly to select “DEPT. PRINT COUNT”. → [SET]
3. Enter the administrator code (feature #151 on page 56). → [SET]
4. [MENU]

---

#### Resetting the counter for departments

1. Press [MENU] repeatedly to display “DEPARTMENT SETUP”. → [▶]
2. Enter the administrator code (feature #151 on page 56). → [SET]
3. Press [◀] or [▶] repeatedly to select “RESET COUNTER”. → [SET]

#### 4. [SET] → [STOP]

- To cancel resetting, press [STOP].

##### Note:

- The count numbers of copies/prints will be reset only when the mode restriction (feature #154 on page 78) is activated.

### 10.5 Storing email address using the unit (KX-MB2090 only)

#### 10.5.1 Storing new email address items

You can register up to 30 email addresses.

- 1 Press **[MENU]** repeatedly to display “E-ADDRESS SETUP”.
- 2 Press **[◀]** or **[▶]** repeatedly to select “NEW”. → **[SET]**
- 3 To store items for the email address book, press **[SET]**.  
To store items for one-touch dial,
  - press the desired station keys (1-3).
  - press **[LOWER]**, then press the desired station keys (4-6).
- 4 Enter the name, up to 15 characters (see page 76 for character entry). → **[SET]**
- 5 Enter the email address, up to 63 digits. → **[SET]**
  - To program other items, repeat steps 2 to 5.
- 6 **[MENU]**

#### 10.5.2 Editing a stored item

- 1 Press **[MENU]** repeatedly to display “E-ADDRESS SETUP”.
- 2 Press **[◀]** or **[▶]** repeatedly to select “EDIT”. → **[SET]**
- 3 Press **[▼]** or **[▲]** repeatedly to display the desired item. → **[MENU]** → **[\*]**
- 4 Edit the name if necessary. → **[SET]**
- 5 Edit the email address if necessary. → **[SET]** → **[MENU]**

#### 10.5.3 Erasing a stored item

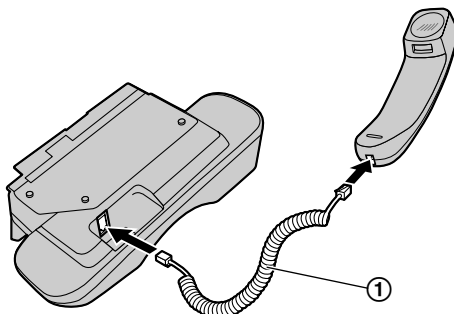
- 1 Press **[MENU]** repeatedly to display “E-ADDRESS SETUP”.
- 2 Press **[◀]** or **[▶]** repeatedly to select “EDIT”. → **[SET]**
- 3 Press **[▼]** or **[▲]** repeatedly to display the desired item. → **[MENU]** → **[#]**
  - To cancel erasing, press **[STOP]**.
- 4 **[SET]** → **[STOP]**

### 10.6 Handset unit

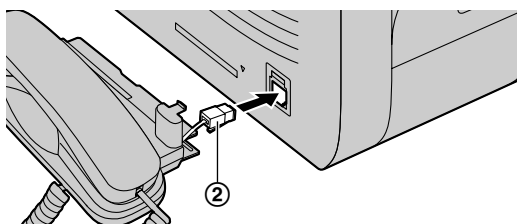
**Important:**

- Before installing or removing the handset unit, be sure to turn the power switch OFF.

- 1 Connect the handset cord (①).

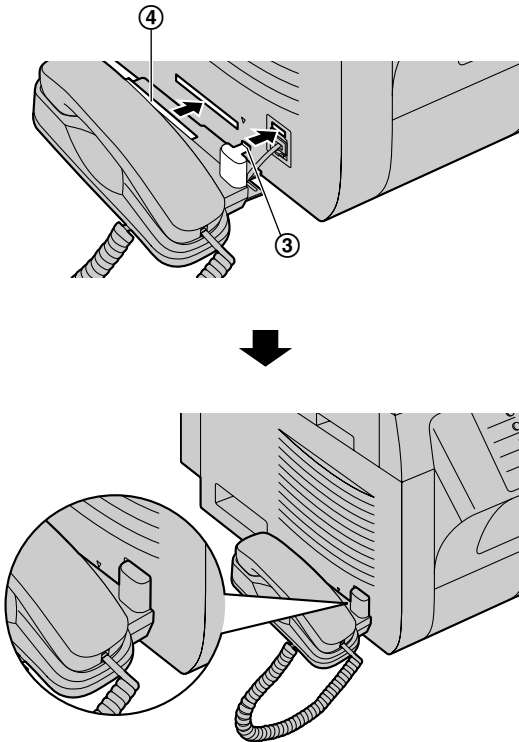


- 2 Connect the handset connector (②).
  - Remove the seal from the handset unit connection jack if attached.





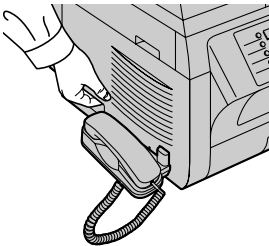
- 3 Insert the tab (③) and rib (④).



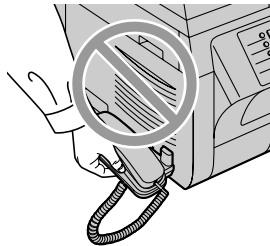
**Caution:**

- When moving the unit, be sure to hold by the grip. Do not hold by the handset unit.

**Correct**



**Incorrect**

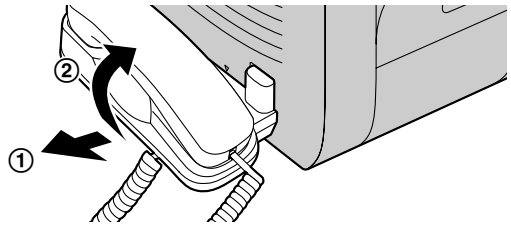


**Note:**

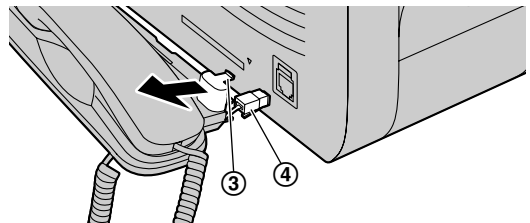
- While talking to the other party, you can send a fax using the scanner glass by pressing **[START]**, and then **[1]** (To receive a fax, press **[2]**).

**To remove the handset unit**

- Pull the handset unit slightly forward (①), then lift it in the direction of the arrow (②) to remove the rib.



- Remove the tab (③), then disconnect the handset connector (④).



## 10.7 Making a phone call using one-touch dial feature or phonebook

Before using this feature, store the desired names and telephone numbers in one-touch dial feature and phonebook (page 40).

- Make sure that the **[FAX]** light is ON.

### 10.7.1 Using one-touch dial feature

- Press **[MONITOR]** or lift the handset.
- Select the desired station key.  
**For station 1-3:**  
Press the desired station key.  
**For station 4-6:**  
Press **[LOWER]**, then press the desired station key.
  - The unit will start dialling automatically.

### 10.7.2 Using the phonebook

- Press **[PHONEBOOK]**.
- Press **[▼]** or **[▲]** repeatedly to display the desired item.
- Press **[MONITOR]** or lift the handset.
  - The unit will start dialling automatically.

**To search for a name by initial**

Example: "LISA"

- [PHONEBOOK]**
- Press **[▼]** or **[▲]** to initiate the phonebook.

## 10. Useful Information

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3. Press **[5]** repeatedly to display any name with the initial “**L**” (see page 76 for character entry).
  - To search for symbols, press **[✱]**.
4. Press **[▼]** or **[▲]** repeatedly to display “**LISA**”.
  - To stop the search, press **[STOP]**.
  - To dial the displayed party, press **[MONITOR]** or lift the handset.

## 11.1 Report messages

To indicate the unit's fax transmission/reception status, one of the following messages will be printed on the sending and journal reports (page 39).

| Message                            | Code                 | Cause & Solution  |
|------------------------------------|----------------------|---|
| <b>COMMUNICATION ERROR</b>         | 40-42<br>46-72<br>FF | <ul style="list-style-type: none"> <li>A transmission or reception error occurred. Try again or check with the other party.</li> </ul>  |
|                                    | 43<br>44             | <ul style="list-style-type: none"> <li>A line problem occurred. Connect the telephone line cord to a different jack and try again.</li> <li>An overseas transmission error occurred. Try using the overseas mode (feature #411 on page 61).</li> </ul>  |
| <b>DOCUMENT JAMMED</b>             | -----                | <ul style="list-style-type: none"> <li>Remove the jammed document (page 103).</li> </ul>  |
| <b>ERROR-NOT YOUR UNIT</b>         | 53<br>54<br>59<br>70 | <ul style="list-style-type: none"> <li>A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party.</li> </ul>   |
| <b>JUNK FAX PROH. REJECT</b>       | -----                | <ul style="list-style-type: none"> <li>The junk fax prohibitor feature of this unit rejected fax reception.</li> </ul>  |
| <b>MEMORY FULL</b>                 | -----                | <ul style="list-style-type: none"> <li>The memory is full of received documents due to a lack of recording paper or a recording paper jam. Load paper (page 14) or remove the jammed paper (page 98).</li> <li>If the PC fax setting (feature #442 on page 64) is set to "<b>ALWAYS</b>", check the connection between the computer and the unit.</li> <li>If your unit is connected to the computer via the LAN and the fax preview mode (feature #448 on page 51) is set to "<b>ON</b>", view, print or save the documents on the web browser, and then erase unnecessary documents (page 51).</li> </ul> |
| <b>NO DOCUMENT / FAILED PICKUP</b> | -----                | <ul style="list-style-type: none"> <li>The document was not fed into the unit properly. Re-insert it and try again.</li> <li>The ADF top cover is not fully closed. Push firmly on the front and rear edges of the ADF top cover, and then feed the document again.</li> </ul>  |
| <b>OTHER FAX NOT RESPONDING</b>    | -----                | <ul style="list-style-type: none"> <li>The other party's fax machine is busy or has run out of recording paper. Try again.</li> <li>The other party's fax machine rings too many times. Send the fax manually (page 39).</li> <li>The other party's machine is not a fax machine. Check with the other party.</li> <li>The number you dialled is not in service.</li> </ul>   |
| <b>PRESSED THE 'STOP' KEY</b>      | -----                | <ul style="list-style-type: none"> <li><b>[STOP]</b> was pressed and fax communication was cancelled.</li> </ul>  |
| <b>THE COVER WAS OPENED</b>        | -----                | <ul style="list-style-type: none"> <li>The top cover was opened. Close it and try again.</li> </ul>   |
| <b>OK</b>                          | -----                | <ul style="list-style-type: none"> <li>Fax transmission or reception was successful.</li> </ul>   |

## 11.2 Display messages

### 11.2.1 General messages

To indicate the unit's status, one or more of the following messages will appear on the display.

| Display                       | Cause & Solution   |
|-------------------------------|--|
| "CALL SERVICE"                | <ul style="list-style-type: none"> <li>There is something wrong with the unit. Contact our service personnel.</li> </ul>   |
| "CHANGE DRUM"                 | <ul style="list-style-type: none"> <li>There is something wrong with the drum cartridge. Replace the drum cartridge and the toner cartridge.</li> </ul>  |
| "CHECK DOCUMENT"              | <ul style="list-style-type: none"> <li>The document was not fed into the unit properly. Remove the document, and then press <b>[STOP]</b> to clear the message. Re-insert the document. If misfeeding occurs frequently, clean the document feeder rollers (page 108) and try again.</li> <li>The ADF top cover is not fully closed. Push firmly on the front and rear edges of the ADF top cover, and then feed the document again.</li> </ul>  |
| "CHECK DRUM"                  | <ul style="list-style-type: none"> <li>The drum cartridge is not inserted properly. Re-insert it correctly (page 10).</li> </ul>   |
| "CHECK PAPER #1"              | <ul style="list-style-type: none"> <li>Recording paper is not installed or the paper input tray has run out of paper. Install paper (page 14).</li> <li>Recording paper was not fed into the unit properly. Re-insert the recording paper (page 102).</li> <li>The paper input tray is not installed or is not inserted completely. Insert the paper input tray into the unit.</li> </ul>  |
| "CHECK PAPER TRAY #1"         | <ul style="list-style-type: none"> <li>The loaded recording paper is not the appropriate size. Load recording paper of the size that is shown on the display.</li> <li>If this message is often displayed, also change the recording paper size setting (feature #380 on page 58).</li> <li>The recording paper size setting (feature #380 on page 58) is set to "B5 (ISO)", "B5 (JIS)" or "16K", so received faxes have been stored into memory. Change the recording paper size setting and load the appropriate recording paper.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>"#1": Check the paper input tray. The displayed paper size depends on the recording paper size setting (feature #380 on page 58).</li> <li>"#2": Check the manual input tray. The displayed paper size depends on the recording paper size setting (feature #381 on page 58).</li> </ul> |
| "CHECK PICK UP INPUT TRAY #2" | <ul style="list-style-type: none"> <li>Recording paper was not fed into the unit properly. Load the paper again (page 102).</li> </ul>   |
| "CHECK REAR COVER"            | <ul style="list-style-type: none"> <li>The manual input tray (rear cover) is open. Close it.</li> <li>A recording paper jam occurred near the manual input tray (rear cover). Remove the jammed paper (page 98).</li> </ul>  |
| "COOL DOWN FUSER PLEASE WAIT" | <ul style="list-style-type: none"> <li>The unit is cooling down the fuser unit. Wait for a while.</li> </ul>   |
| "DRUM LIFE LOW"               | <ul style="list-style-type: none"> <li>The rotation count of the current drum cartridge has exceeded the rotation count for which high-quality printing is guaranteed. Depending on the environment, type of paper used, and usage situation, you may not be able to obtain high print quality for documents containing photographs or halftone patterns. Please check the print quality, and if you are satisfied, it is not necessary to immediately replace the drum cartridge. However, we recommend that you occasionally check the print quality and replace the drum cartridge if the print quality is unacceptable, or replace the drum cartridge when you replace the toner cartridge.</li> </ul>   |

| Display                            | Cause & Solution   |
|------------------------------------|--|
| "DRUM LIFE OVER"                   | <ul style="list-style-type: none"> <li>The drum cartridge's service life is finished. Please replace the drum cartridge when you replace the toner cartridge. Depending on the environment, type of paper used, and usage situation, printing quality may be affected. Please check the printing quality. We recommend that you replace the drum cartridge soon, as necessary.</li> <li>* If you continue to use the drum cartridge without replacing it, the print quality may suddenly worsen, or the unit may malfunction.</li> </ul> |
| "EMAIL SIZE OVER"                  | <ul style="list-style-type: none"> <li>When performing scan to email address, the number of scanned pages or the file size of the scanned data has exceeded the limitation (page 110). Divide the document into sections.</li> </ul>   |
| "FAX IN MEMORY"                    | <ul style="list-style-type: none"> <li>The unit has a document in memory. See the other displayed message instructions to print out the document. For fax memory capacity, see page 110.</li> </ul>  |
| "FAX PREVIEW"                      | <ul style="list-style-type: none"> <li>If the fax preview mode (feature #448 on page 51) is set to "ON", <ul style="list-style-type: none"> <li>view, print or save the received fax documents using the web browser on the computer connected via the LAN, and then erase the unnecessary documents (page 51).</li> <li>turn the setting to "OFF". The fax documents stored in memory will be printed automatically.</li> </ul> </li> </ul>   |
| "FILE SIZE OVER"                   | <ul style="list-style-type: none"> <li>When performing scan to FTP server or scan to SMB folder, the number of scanned pages or the file size of the scanned data has exceeded the limitation (page 110). Divide the document into sections.</li> </ul>  |
| "KEEP COPYING"                     | <ul style="list-style-type: none"> <li>Copying has stopped due to some existing problem (Example: a lack of recording paper or a recording paper jam). See the other displayed message instructions to continue copying.</li> </ul>  |
| "LOW TEMP."                        | <ul style="list-style-type: none"> <li>The inside of the unit is extremely cold and cannot be operated. Use the unit in a warmer area.</li> </ul>  |
| "MEMORY FULL"                      | <ul style="list-style-type: none"> <li>When performing memory transmission, the document being stored exceeded the memory capacity of the unit. Send the entire document manually.</li> <li>When making a copy, the document being stored exceeded the memory capacity of the unit. Press <b>[STOP]</b> to clear the message. Divide the document into sections.</li> </ul>  |
| "MODEM ERROR"                      | <ul style="list-style-type: none"> <li>There is something wrong with the unit's modem. Contact our service personnel.</li> </ul>   |
| "NO FAX REPLY"                     | <ul style="list-style-type: none"> <li>The other party's fax machine is busy or has run out of recording paper. Try again.</li> </ul>  |
| "OUT OF PAPER INPUT TRAY #2"       | <ul style="list-style-type: none"> <li>Recording paper is not loaded in the manual input tray. Load paper (page 15).</li> </ul>  |
| "PAPER IN TRAY #2"                 | <ul style="list-style-type: none"> <li>The recording paper is installed in the manual tray (page 15).</li> </ul>   |
| "PAPER JAMMED"<br>"OPEN TOP COVER" | <ul style="list-style-type: none"> <li>A recording paper jam occurred. Remove the jammed paper (page 98).</li> </ul>   |
| "PCFAX"                            | <ul style="list-style-type: none"> <li>If the PC fax setting (feature #442 on page 64) is set to "ALWAYS", <ul style="list-style-type: none"> <li>check the connection between the computer and the unit.</li> <li>check that the computer is turned ON.</li> </ul> </li> </ul>  |
| "PHONEBOOK FULL"                   | <ul style="list-style-type: none"> <li>There is no space to store new items in the phonebook. Erase unnecessary items (page 41).</li> </ul>  |
| "PLEASE WAIT"                      | <ul style="list-style-type: none"> <li>The unit is warming up. Wait for a while.</li> </ul>  |
| "POLLING ERROR"                    | <ul style="list-style-type: none"> <li>The other party's fax machine does not offer the polling function. Check with the other party.</li> </ul>   |
| "REDIAL TIME OUT"                  | <ul style="list-style-type: none"> <li>The other party's fax machine is busy or has run out of recording paper. Try again.</li> </ul>  |

| Display                         | Cause & Solution  |
|---------------------------------|---|
| "REMOVE DOCUMENT"               | <ul style="list-style-type: none"> <li>● The document is jammed. Remove the jammed document (page 103).</li> <li>● Attempted to send or copy a document longer than 600 mm using the automatic document feeder. Press <b>[STOP]</b> to remove the document. Divide the document into two or more sheets and try again.</li> <li>● The ADF top cover is not fully closed. Push firmly on the front and rear edges of the ADF top cover, and then feed the document again.</li> </ul>   |
| "REMOVE PAPER IN INPUT TRAY #2" | <ul style="list-style-type: none"> <li>● The recording paper is installed in the manual input tray when trying to receive faxes or print reports. Remove the recording paper from manual input tray.</li> </ul>   |
| "RX MEMORY FULL"                | <ul style="list-style-type: none"> <li>● The memory is full of received documents due to a lack of recording paper or a recording paper jam. Load paper (page 14) or remove the jammed paper (page 98).</li> <li>● If the PC fax (feature #442 on page 64) is set to "<b>ALWAYS</b>", <ul style="list-style-type: none"> <li>– check the connection between the computer and the unit.</li> <li>– check that the computer is turned ON.</li> </ul> </li> <li>● If your unit is connected to the computer via the LAN and the fax preview mode (feature #448 on page 51) is set to "<b>ON</b>", <ul style="list-style-type: none"> <li>– view, print or save the received fax documents, and then erase the unnecessary documents (page 51).</li> <li>– turn the setting to "<b>OFF</b>". The fax documents stored in memory will be printed automatically.</li> </ul> </li> </ul> |
| "SLEEP"                         | <ul style="list-style-type: none"> <li>● After the unit has been in power save mode (feature #403 on page 59) for up to 5 minutes, the unit will enter sleep mode. Press a key to standby the unit for the next process.</li> </ul> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>● The unit may not enter sleep mode when beeping for alert or displaying an error message.</li> </ul>  |
| "TONER EMPTY"                   | <ul style="list-style-type: none"> <li>● The toner is empty. Replace the toner cartridge immediately.</li> </ul>  |
| "TONER LOW"                     | <ul style="list-style-type: none"> <li>● The toner is reaching the end of its life. You will need to replace the toner cartridge soon.</li> </ul>   |
| "TOP COVER OPEN"                | <ul style="list-style-type: none"> <li>● The top cover is open. Close it.</li> </ul>  |
| "TRANSMIT ERROR"                | <ul style="list-style-type: none"> <li>● A transmission error occurred. Try again.</li> </ul>   |

## 11.2.2 Interface messages

| Display           | Cause & Solution  |
|-------------------|---|
| "CONNECT ERROR"   | <ul style="list-style-type: none"> <li>● IP address of the server or network configuration is incorrect. Consult your network administrator.</li> <li>● The server is down. Consult your network administrator.</li> </ul>  |
| "DATA ERROR"      | <ul style="list-style-type: none"> <li>● The cable between the unit and the computer is not connected correctly. Check the connections (page 17, 25).</li> <li>● IP address of the server or network configuration is incorrect. Consult your network administrator.</li> <li>● Your computer may not have enough memory. Change to a lower resolution for scanning and try again.</li> <li>● The email server configuration requires authentication. Check the configuration of the email server.</li> <li>● SMB folder is read only. Consult your network administrator.</li> </ul> |
| "LOGIN ERROR"     | <ul style="list-style-type: none"> <li>● Login name or password of the server is incorrect or you don't have permission to login to the server. Consult your network administrator.</li> </ul>  |
| "NAME ERROR"      | <ul style="list-style-type: none"> <li>● The server name is incorrect. Consult your network administrator.</li> <li>● The server is down. Consult your network administrator to activate the server.</li> </ul>   |
| "OFFLINE"         | <ul style="list-style-type: none"> <li>● The cable between the unit and the computer is not connected correctly. Check the connections (page 17, 25).</li> <li>● Check that the computer is turned ON.</li> </ul>   |
| "PATH ERROR"      | <ul style="list-style-type: none"> <li>● The path of FTP server or SMB folder is incorrect. Consult your network administrator.</li> </ul>  |
| "PC ACCESS ERROR" | <ul style="list-style-type: none"> <li>● Check that the computer is turned ON.</li> <li>● The Multi-Function Station's scan application is not running correctly on the computer. Restart your computer and try again.</li> <li>● If your computer is busy, close other applications.</li> <li>● Your firewall software is blocking the LAN connection. Disable the firewall software or change the firewall settings to allow the unit access to your computer.</li> </ul>   |
| "PC FAIL OR BUSY" | <ul style="list-style-type: none"> <li>● The cable between the unit and the computer is not connected correctly. Check the connections (page 17, 25).</li> <li>● The computer has some kind of problem. (Example: Make sure that the computer is turned ON.)</li> <li>● The Multi-Function Station's scan application is not running correctly on the computer. Restart your computer and try again.</li> </ul>   |

## 11.3 Network status codes (KX-MB2090, LAN connection only)

You can confirm the detailed network status when a message is displayed during PC scan (page 87), or when a network feature does not work properly.

1 **[MENU]** → **[#][5][2][6]**

2 Press **[SET]** to indicate the network status code.

3 Press **[MENU]** to exit.

| Code    | Status        | Cause   | Solution   |
|---------|---------------|---|--|
| 000     | Not connected | The unit is not connected correctly to the network.   | Check the connections (page 17).                     |
| 110     | Offline       | IP address is not configured.   | Configure the IP address.                            |
| 112     | Offline       | IP address is not determined, because the IP configuration is not correct.                          | Correct the configuration of IP address information. |
| 113     | Offline       | IP address is not determined, because the IP address is duplicated.                                 | Change the IP address.                               |
| 121     | Offline       | The unit is allocating an IP address automatically using a DHCP server.                             | —  |
| 128     | Offline       | There is no response from the DHCP server, or DHCP server error is occurred.                        | Consult your network administrator.                  |
| 131     | Offline       | The unit is allocating an IP address automatically using an Auto IP.                                | —  |
| 210     | Online        | The network is online by configuring the IP address manually.                                       | —  |
| 220     | Online        | The network is online by allocating the IP address using a DHCP.                                    | —  |
| 230     | Online        | The network is online by allocating the IP address using an Auto IP.                                | —  |
| 342     | Online        | NetBIOS is not working, because NetBIOS name is not correct.  | Correct the machine name (feature #507 on page 69).  |
| 343     | Online        | NetBIOS is not working, because NetBIOS name is duplicated others.                                  | Change the machine name (feature #507 on page 69).   |
| 344     | Online        | Can not resolve the NetBIOS name between other networks, because there is no specified WINS server. | Consult your network administrator.                  |
| 352     | Online        | Bonjour is not working, because Bonjour hostname is not correct.                                    | Correct the machine name (feature #507 on page 69).  |
| 353     | Online        | Bonjour is not working, because Bonjour hostname is duplicated others.                              | Change the machine name (feature #507 on page 69).   |
| 354     | Online        | Bonjour is not working, because Bonjour service name is not correct.                                | Correct the Bonjour service name (page 74).          |
| 355     | Online        | Bonjour is not working, because Bonjour service name is duplicated others.                          | Change the Bonjour service name (page 74).           |
| 801-999 | System error  | The system error is occurred.   | Contact our service personnel.                       |




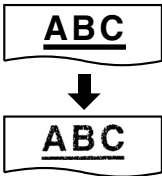
## 11.4 When a function does not work

### 11.4.1 General

| Problem  | Cause & Solution   |
|--|--|
| The unit does not work.  | <ul style="list-style-type: none"> <li>Check the connections (page 17, 25).</li> </ul>   |
| The output tray becomes full quickly or the recording paper does not stack properly on the output tray.  | <ul style="list-style-type: none"> <li>High humidity may cause the recording paper to curl. Try turning the paper over and re-inserting it. If the curl on the paper is heavy, please remove it from the output tray. If you still have this problem, contact our service personnel.</li> </ul>  |
| I cannot adjust the volume, display items stored in the one-touch dial and phonebook or display Caller ID information.   | <ul style="list-style-type: none"> <li>The unit is set to scan mode or copy mode. Press <b>[FAX]</b> to switch modes. If you still have this problem, contact our service personnel.</li> </ul>  |
| A printing error is displayed while using PC FAX and Remote Control.   | <ul style="list-style-type: none"> <li>The printer driver is used for PC FAX and Remote Control. Transmission errors will be displayed as printing errors.</li> </ul>  |
| Multi-Function Station does not work properly.   | <ul style="list-style-type: none"> <li>If the USB cable is connected to a USB hub, connect the cable directly to the USB port on your computer.</li> <li>Make sure you have installed the latest Service Pack available for the version of Windows installed on your computer. See the Microsoft web site for details.</li> <li>Check that your computer has enough memory and hard disk space. If your computer warns that there is insufficient memory, close other applications. If there is not enough space on the hard disk, delete unnecessary files.</li> <li>Uninstall Multi-Function Station once, and re-install it.</li> </ul>   |
| I cannot install or uninstall Multi-Function Station.  | <ul style="list-style-type: none"> <li>Some of the files needed to install or uninstall Multi-Function Station may be corrupted. Use the MfsCleaner utility (found on the supplied CD-ROM) to solve the problem.               <ol style="list-style-type: none"> <li>Insert the supplied CD-ROM into your CD-ROM drive.                   <ul style="list-style-type: none"> <li>The setup program will start automatically.</li> </ul> </li> <li><b>[Tools] → [Cleanup Tool]</b> <ul style="list-style-type: none"> <li>The <b>[MfsCleaner]</b> window will appear.</li> </ul> </li> <li>Click <b>[Clean]</b>, and then click <b>[Yes]</b> to restart the computer.</li> </ol> <p><b>Note:</b></p> <ul style="list-style-type: none"> <li>To install Multi-Function Station again, see page 24.</li> </ul> </li> </ul> |
| I cannot view the operating instructions using Multi-Function Station.   | <ul style="list-style-type: none"> <li>Install the operating instructions on your computer beforehand (page 25).</li> </ul>  |
| I cannot find the unit in the [Target Device] or [Device Select] dialogue box when operating the following functions. <ul style="list-style-type: none"> <li>Scanning</li> <li>Remote Control</li> <li>PC FAX</li> <li>Device Monitor</li> </ul> | <ul style="list-style-type: none"> <li>The printer driver has not been installed. Install it on your computer (page 24).</li> </ul>  |
| I forgot the password for feature programming via remote operation.  | <ul style="list-style-type: none"> <li>You may have changed the feature programming password. If you do not remember it, assign a new password using feature #155 (page 57). When required to enter the current password, enter "0101" instead.</li> </ul>   |

| Problem  | Cause & Solution   |
|--|--|
| I forgot the current administrator code for mode restriction settings (feature #151 on page 56). | <ul style="list-style-type: none"> <li>You may have changed the administrator code. If you do not remember it, assign a new password using feature #151 (page 56). When required to enter the current password, enter "0101" instead.</li> </ul>   |
| During programming, I cannot enter the code or ID number.  | <ul style="list-style-type: none"> <li>All or part of the number is the same as another code or ID. Change the number: <ul style="list-style-type: none"> <li>fax activation code: feature #434 on page 63.</li> <li>auto disconnection: feature #435 on page 63.</li> </ul> </li> </ul> |
| Email related functions do not work properly (KX-MB2090, LAN connection only).                   | <ul style="list-style-type: none"> <li>For environments where Secure Sockets Layer (SSL) encryption is required to send and receive email, additional email server configurations and/or the use of another email system may be required.</li> </ul>                                     |

### 11.4.2 Printing problems

| Problem   | Cause & Solution  |
|---|---|
| Recording paper is wrinkled or folded when printed.<br>                        | <ul style="list-style-type: none"> <li>Make sure that the recording paper is loaded properly (page 14).</li> <li>Try turning the recording paper over or rotating it 180 degrees.</li> </ul>  |
| The printing quality is poor (e.g. has smudges, blurred points or lines).<br> | <ul style="list-style-type: none"> <li>Some paper has instructions recommending which side to print on. Try turning the recording paper over.</li> <li>You may have used paper with a cotton and/or fibre content that is over 20 %, such as letterhead or resume paper.</li> <li>The recording paper is too damp. Use new paper.</li> </ul>  |
| I changed the recording paper, but the printing quality is still poor.  | <ul style="list-style-type: none"> <li>The glass or rollers are dirty with correction fluid, etc. Clean them (page 105, 108). Please do not insert a document before correction fluid has dried completely.</li> <li>The toner save mode of feature #482 is ON (page 59).</li> <li>The remaining toner is low. Replace the toner cartridge.</li> <li>To check the drum life and quality, please print the printer test list (page 109). If printing quality is still poor, replace the toner cartridge and drum cartridge.</li> </ul> |
| A blank sheet is ejected.   | <ul style="list-style-type: none"> <li>You placed the document facing the wrong way when using the copier.</li> <li>The other party placed the document in their fax machine the wrong way. Check with the other party.</li> </ul>  |
| Coloured and grey objects are printed in black instead of greyscale when printing from Microsoft PowerPoint® or other applications.                             | <ul style="list-style-type: none"> <li>Select <b>[Color]</b> or remove the check next to <b>[Grayscale]</b> in the print dialogue so that coloured or grey objects will be printed in greyscale properly.</li> </ul>  |
| When using the unit as a printer, the printing result is distorted.   | <ul style="list-style-type: none"> <li>When your unit is connected to the computer by USB, if you cancel printing using your computer, then immediately re-start printing, the printing result may be distorted. To avoid this, you must wait for 60 seconds before re-printing.</li> </ul>   |

### 11.4.3 Scanner

| Problem   | Cause & Solution  |
|---|---|
| I cannot scan.  | <ul style="list-style-type: none"> <li>When scanning at a high resolution, a large amount of available memory is required. If your computer warns that there is insufficient memory, close other applications and try again.</li> <li>Select a lower resolution and try again.</li> <li>Reduce the scanning area and try again.               <ol style="list-style-type: none"> <li>To preview the scanned image, click <b>[Preview]</b>.</li> <li>You can drag the frame to specify the scanning area.</li> <li>Click <b>[Scan]</b> to start scanning.</li> </ol> </li> <li>The unit is in use. Try again later.</li> <li>There is not enough space on the hard disk. Delete unnecessary files and try again.</li> <li>Check the connection between the computer and the unit (page 17, 25).</li> <li>Restart the computer, and try again.</li> <li>You attempted to scan a document longer than the paper size which you set. Change the setting or divide the document into the appropriate paper size, and try again.</li> </ul> |
| The document is not fed into the unit when using the unit as a scanner.   | <ul style="list-style-type: none"> <li>Remove the document in the automatic document feeder and re-insert it.</li> </ul>  |
| Even after clicking <b>[Cancel]</b> , scanning continues.   | <ul style="list-style-type: none"> <li>Please wait. It may take a while for the cancel request to be accepted.</li> </ul>   |
| The name of the desired computer is not displayed on the unit when scanning documents from the unit (KX-MB2090, LAN connection only). | <ul style="list-style-type: none"> <li>The printer driver has not been installed. Install it on your computer (page 24).</li> <li>The PC name list up feature has been set to <b>[Off]</b>. Set <b>[PC name list up on device]</b> to <b>[On]</b> (page 26).</li> <li>The maximum number of computers on the LAN is connected to the unit (up to 30 computers). Set <b>[PC name list up on device]</b> to <b>[Off]</b> on the other computers (page 26).</li> </ul>   |
| Stripes (fringes) occur on the result of scanning (copying).  | <ul style="list-style-type: none"> <li>Interference fringes (moire) may occur depending on the relationship between the type of the original document and scanning (copying) resolution. Particularly, it may occur when scanning printed materials (magazines, brochures, etc.). This is a normal symptom for scanners. However, changing the resolution may improve it.</li> </ul>  |

### 11.4.4 Copier

| Problem   | Cause & Solution   |
|---|--|
| The unit will not make a copy.                        | <ul style="list-style-type: none"> <li>You cannot make a copy during programming. Make the copy after programming.</li> <li>The document was not set properly (page 19).</li> <li>Recording paper is not loaded or the unit has run out of paper. Load paper (page 14).</li> </ul> |
| Letters on the copied documents are not clear.        | <ul style="list-style-type: none"> <li>The original document is too dark or too light. Change the contrast (page 33) and try again.</li> </ul>   |
| The copied documents are too dark and cannot be read. | <ul style="list-style-type: none"> <li>You used a coloured paper as a document. Change the contrast (page 33) and make a lighter copy of the document, using <b>"TEXT"</b> resolution (page 33).</li> </ul>  |

### 11.4.5 Fax

| Problem   | Cause & Solution  |
|---|---|
| <b>I cannot send documents.</b>   | <ul style="list-style-type: none"> <li>• The telephone line cord is connected to the <b>[EXT]</b> jack on the unit. Connect to the <b>[LINE]</b> jack (page 17).</li> <li>• The other party's fax machine is busy or has run out of recording paper. Try again.</li> <li>• The other party's machine is not a fax machine. Check with the other party.</li> <li>• The other party's fax machine failed to answer the fax automatically. Send the fax manually (page 39).</li> <li>• Set the maximum fax speed to "<b>14 . 4kbps</b>" (feature #418 on page 62).</li> </ul>  |
| <b>I cannot send a fax overseas.</b>  | <ul style="list-style-type: none"> <li>• Use the overseas transmission mode (feature #411 on page 61).</li> <li>• Add two pauses at the end of the telephone number or dial manually.</li> </ul>  |
| <b>The other party complains that letters on their received document are distorted.</b>   | <ul style="list-style-type: none"> <li>• If your line has special telephone services such as call waiting, the service may have been activated during fax transmission. Connect the unit to a line that does not have these services.</li> <li>• Another telephone on the same line is off the hook. Hang up the extension telephone and try again.</li> </ul>  |
| <b>The other party complains about the quality of their received documents.</b>           | <ul style="list-style-type: none"> <li>• Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine. If the copied image is not clear, too dark, or black and white lines or smudges appear, refer to "11.4.2 Printing problems", page 90.</li> <li>• The original document is too dark or too light. Change the contrast (page 39) and try again.</li> </ul>  |
| <b>The other party complains that received documents are too dark and cannot be read.</b> | <ul style="list-style-type: none"> <li>• You used a coloured paper as a document. Change the contrast (page 33) and make a lighter copy of the document, using "<b>TEXT</b>" resolution (page 33), and try again.</li> </ul>  |
| <b>I cannot receive documents.</b>  | <ul style="list-style-type: none"> <li>• The telephone line cord is connected to the <b>[EXT]</b> jack on the unit. Connect to the <b>[LINE]</b> jack (page 17).</li> <li>• The PC fax setting (feature #442 on page 64) is activated and the received fax documents are automatically transferred to the computer. View the received documents using the computer (page 50).</li> <li>• If your unit is connected to the computer via the LAN and the fax preview mode (feature #448 on page 51) is activated, the received fax documents are automatically stored in memory. View the received documents on the web browser (page 51).</li> <li>• Set the maximum fax speed to "<b>14 . 4kbps</b>" (feature #418 on page 62).</li> <li>• Recording paper is installed in the manual input tray. Remove the recording paper from the manual input tray.</li> </ul> |
| <b>I cannot receive the whole document (KX-MB2090, LAN connection only).</b>              | <ul style="list-style-type: none"> <li>• The fax to email address (feature #452 on page 65) is activated. In this case, only faxes within the fax memory capacity (page 110) can be received. Deactivate the feature, then ask the other party to resend the document.</li> </ul>   |
| <b>I cannot receive documents automatically.</b>  | <ul style="list-style-type: none"> <li>• The receiving mode is set to TEL mode. Set to FAX ONLY mode (page 45) or TEL/FAX mode (page 47).</li> <li>• The time taken to answer the call is too long. Decrease the number of rings before the unit answers a call (feature #210 on page 58).</li> <li>• Make sure that the Distinctive Ring of feature #430 is set properly (page 54). If you do not subscribe to the Distinctive Ring service offered by your local telephone company, this feature should be OFF.</li> </ul>  |
| <b>The display shows "CONNECTING . . . .", but faxes are not received.</b>                | <ul style="list-style-type: none"> <li>• The incoming call is not a fax. Change the receiving mode to TEL mode (page 46) or TEL/FAX mode (page 45).</li> </ul>  |

| Problem   | Cause & Solution   |
|---|--|
| The printing quality of the received documents is poor.   | <ul style="list-style-type: none"> <li>• If documents can be copied properly, the unit is working normally. The other party may have sent a faint document or there may be something wrong with the other party's machine. Ask them to send a clearer copy of the document or to check their fax machine.</li> <li>• If documents can not be copied properly, refer to "11.4.2 Printing problems", page 90.</li> </ul>   |
| The other party complains that they cannot send a document.   | <ul style="list-style-type: none"> <li>• The memory is full of received documents due to a lack of recording paper or a recording paper jam. Load paper (page 14) or remove the jammed paper (page 98).</li> <li>• If the PC fax setting (feature #442 on page 64) is set to "ALWAYS", check the connection between the computer and the unit.</li> <li>• If your unit is connected to the computer via the LAN and the fax preview mode (feature #448 on page 51) is set to "ON", view, print or save the documents, and then erase unnecessary documents (page 51).</li> <li>• The unit is not in FAX ONLY mode. Press <b>[FAX AUTO ANSWER]</b> repeatedly to turn ON the <b>[FAX AUTO ANSWER]</b> light.</li> </ul>   |
| I cannot select the desired receiving mode.   | <ul style="list-style-type: none"> <li>• If you want to set FAX ONLY mode: <ul style="list-style-type: none"> <li>– press <b>[FAX AUTO ANSWER]</b> repeatedly to turn ON the <b>[FAX AUTO ANSWER]</b> light.</li> </ul> </li> <li>• If you want to set TEL mode or TEL/FAX mode: <ul style="list-style-type: none"> <li>– select the desired mode using feature #404 (page 60), and press <b>[FAX AUTO ANSWER]</b> repeatedly to turn OFF the <b>[FAX AUTO ANSWER]</b> light.</li> </ul> </li> <li>• The Distinctive Ring of feature #430 is activated (page 54).</li> </ul>   |
| When an extension telephone is connected, I cannot receive documents by pressing <b>[*][#][9]</b> . | <ul style="list-style-type: none"> <li>• You must set remote fax activation to ON (feature #434 on page 63) beforehand.</li> <li>• Press <b>[*][#][9]</b> firmly.</li> <li>• You may have changed the remote fax activation code from <b>[*][#][9]</b> (default setting). Verify the remote fax activation code (feature #434 on page 63).</li> </ul>  |
| I cannot hear a dial tone.  | <ul style="list-style-type: none"> <li>• The telephone line cord is connected to the <b>[EXT]</b> jack on the unit. Connect to the <b>[LINE]</b> jack (page 17).</li> <li>• If you use a splitter/coupler to connect the unit, remove the splitter/coupler and connect the unit to the wall jack directly. If the unit operates properly, check the splitter/coupler.</li> <li>• Disconnect the unit from the telephone line and connect a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your telephone company.</li> <li>• The power cord or telephone line cord is not connected. Check the connections (page 17).</li> <li>• If you connected the unit through a computer modem, connect the unit directly to a telephone line jack.</li> </ul> |
| I cannot make calls.  | <ul style="list-style-type: none"> <li>• The dialling mode setting may be wrong. Change the setting (feature #120 on page 18).</li> </ul>  |
| The unit does not ring.   | <ul style="list-style-type: none"> <li>• The ringer volume is turned OFF. Adjust it (page 21).</li> </ul>  |
| The other party complains they only hear a fax tone and cannot talk.                                | <ul style="list-style-type: none"> <li>• FAX ONLY mode is set (page 45). Tell the other party the number is only used for faxes.</li> <li>• Change the receiving mode to TEL mode (page 46) or TEL/FAX mode (page 47).</li> <li>• If you use a Distinctive Ring service, make sure you have set the same ring pattern assigned by the telephone company (page 54).</li> </ul>  |
| The <b>[REDIAL]</b> or <b>[PAUSE]</b> button does not function properly.                            | <ul style="list-style-type: none"> <li>• If this button is pressed during dialling, a pause will be inserted. If pressed immediately after a dial tone is obtained, the last number dialled will be redialled.</li> </ul>  |

| Problem  | Cause & Solution  |
|--|---|
| <b>The receiving mode does not function properly.</b>                                | <ul style="list-style-type: none"><li>● Distinctive Ring is set (feature #430 on page 54).</li></ul>  |
| <b>I cannot receive a fax document on the computer.</b>                              | <ul style="list-style-type: none"><li>● Make sure the following features are set beforehand.<ul style="list-style-type: none"><li>– PC fax reception (feature #442 on page 64)</li><li>– Computer setting for the PC fax reception (feature #443 on page 50)</li></ul></li></ul>  |
| <b>I cannot display a received fax document on the web browser (KX-MB2090 only).</b> | <ul style="list-style-type: none"><li>● Make sure the following features are set beforehand.<ul style="list-style-type: none"><li>– Web fax preview mode (feature #448 on page 51)</li><li>– Web fax preview access code (feature #450 on page 64)</li></ul></li><li>● You cannot display a received fax document on the web browser during printing, copying or scanning. Try again after printing, copying or scanning.</li></ul> |
| <b>I cannot erase a received fax document on the web browser (KX-MB2090 only).</b>   | <ul style="list-style-type: none"><li>● View, print or save a received fax document before erasing (page 51).</li></ul>   |

### 11.4.6 Network (KX-MB2090, LAN connection only)

| Problem  | Cause & Solution  |   |             |            |         |           |                           |         |             |   |         |               |   |
|--|---|---|-------------|------------|---------|-----------|---------------------------|---------|-------------|---|---------|---------------|---|
| <p>I cannot operate the following functions.</p> <ul style="list-style-type: none"><li>– PC printing</li><li>– Scanning</li><li>– Remote Control</li><li>– PC FAX</li><li>– Device Monitor</li></ul> | <ul style="list-style-type: none"><li>● Confirm the LED via the LAN port of the main board. If the LED is glowing or blinking, network access is working correctly.<br/>If the LED is not glowing or blinking, confirm the LAN cable (Category 5 (Cat-5) Ethernet cable) is connected to the LAN port of the main board correctly.</li><li>● If the LED is blinking and you cannot perform the desired operation, the IP address of the unit may have changed.<br/>To detect the IP address, click <b>[IP Change]</b> in the connection error message dialogue.<ul style="list-style-type: none"><li>● The IP address for the unit will be detected.</li></ul></li></ul> <p><b>Note:</b></p> <ul style="list-style-type: none"><li>● If the IP address cannot be detected, enter it manually (feature #501 on page 69). The IP address of the computer and the unit must be in the same local IP address class as shown below. Set the IP address in the range of the number specified in the class corresponding to your local network scale.</li></ul> <table><tr><th>Class</th><th>Subnet mask</th><th>IP address</th></tr><tr><td>Class A</td><td>255.0.0.0</td><td>10.0.0.1 - 10.255.255.254</td></tr><tr><td>Class B</td><td>255.255.0.0</td><td>172.xx.0.1 - 172.xx.255.254<sup>*1</sup></td></tr><tr><td>Class C</td><td>255.255.255.0</td><td>192.168.xx.1 - 192.168.xx.254<sup>*2</sup></td></tr></table> <p><sup>*1</sup> “xx” should be the same value for the unit and for the computer, as shown in the following example.<br/>Example: 172.16.0.1 - 172.16.255.254<br/>(The available range of “xx” is 16 - 31)</p> <p><sup>*2</sup> “xx” should be the same value for the unit and for the computer, as shown in the following example.<br/>Example: 192.168.0.1 - 192.168.0.254<br/>(The available range of “xx” is 0 - 255)</p> <ul style="list-style-type: none"><li>● Your firewall software is blocking the connection. Disable the firewall software or change the firewall settings to make the Multi-Function Station work properly.</li><li>● If the LAN mode has been set to “<b>OFF</b>”, change the setting to “<b>WIRED</b>” (feature #580 on page 71).</li><li>● Make sure the network is configured correctly. Consult your network administrator.</li></ul> | Class                                       | Subnet mask | IP address | Class A | 255.0.0.0 | 10.0.0.1 - 10.255.255.254 | Class B | 255.255.0.0 | 172.xx.0.1 - 172.xx.255.254 <sup>*1</sup> | Class C | 255.255.255.0 | 192.168.xx.1 - 192.168.xx.254 <sup>*2</sup> |
| Class  | Subnet mask   | IP address                                  |             |            |         |           |                           |         |             |   |         |               |   |
| Class A  | 255.0.0.0   | 10.0.0.1 - 10.255.255.254                   |             |            |         |           |                           |         |             |   |         |               |   |
| Class B  | 255.255.0.0   | 172.xx.0.1 - 172.xx.255.254 <sup>*1</sup>   |             |            |         |           |                           |         |             |   |         |               |   |
| Class C  | 255.255.255.0   | 192.168.xx.1 - 192.168.xx.254 <sup>*2</sup> |             |            |         |           |                           |         |             |   |         |               |   |
| <p>The unit does not appear in the <b>[Select a Network Device]</b> dialogue box when installing Multi-Function Station.</p>   | <ul style="list-style-type: none"><li>● Your firewall software is blocking the connection and the setup program may not list any units. Consult your network administrator and temporarily disable the firewall software.</li><li>● The unit is connected to another network segment and the setup program may not list any units. Make sure the network is configured correctly. Consult your network administrator.</li></ul>   |   |             |            |         |           |                           |         |             |   |         |               |   |

## 11. Help

| Problem   | Cause & Solution   |
|---|--|
| <b>The [Windows Security Alert] dialogue box appears and asks if I want to block [PCCMFLPD] and I cannot operate the following functions after installing the Microsoft Windows XP Service Pack 2 or later.</b> <ul style="list-style-type: none"><li>– PC printing</li><li>– Scanning</li><li>– Remote Control</li><li>– PC FAX</li><li>– Device Monitor</li></ul> | <ul style="list-style-type: none"><li>• Click <b>[Cancel]</b> and run the Windows Firewall Setting Tool to allow the data transmission for Multi-Function Station (page 96).</li></ul> |

### 11.4.7 Using an answering machine

| Problem  | Cause & Solution   |
|--|--|
| <b>I cannot receive documents automatically.</b>   | <ul style="list-style-type: none"><li>• Your greeting message on the answering machine is too long. Shorten the message. Record a message less than 10 seconds long.</li><li>• The answering machine rings too many times. Set to 1 or 2 rings.</li></ul>  |
| <b>I cannot receive voice messages.</b>  | <ul style="list-style-type: none"><li>• Check if the answering machine is turned ON and connected to the unit properly (page 48).</li><li>• Set the number of rings on the answering machine to 1 or 2.</li></ul>  |
| <b>I pressed the remote access code to access the answering machine remotely, but the line was disconnected.</b> | <ul style="list-style-type: none"><li>• The code may include “#” which is used for certain features provided by telephone companies. Change the code on the answering machine to another number which does not include “#”.</li></ul>  |
| <b>Callers complain that they cannot send a document.</b>  | <ul style="list-style-type: none"><li>• There is no room left in the memory of your answering machine to record voice messages. See the operating instructions of the answering machine and erase unnecessary messages.</li><li>• You set the answering machine to only give a greeting message.</li></ul> |

### 11.4.8 If a power failure occurs

- The unit will not function.
- If any documents are stored in the memory (i.e. during copying, PC printing), they will be lost.
- The unit is not designed for making emergency telephone calls when the power fails. Alternative arrangements should be made for access to emergency services.
- Fax transmission and reception will be interrupted.
- Documents during fax transmission or fax reception will be lost.
- When power is restored, a power down report will be printed out stating which fax items in the memory have been erased.

### 11.4.9 Firewall setting tool for Microsoft Windows users (KX-MB2090, LAN connection only)

After installing Microsoft Windows XP Service Pack 2 or later/Windows Vista/Windows 7/Windows 8, you will not be able to use the following functions because the Windows Firewall feature will be activated and block the connection.

- Device Monitor
- LPD Manager (Network communication tool)

The Windows Firewall Setting Tool enables you to change the Windows Firewall security settings and to use the above functions properly.

- 1 Insert the CD-ROM that is supplied with the unit into your CD-ROM drive.
  - If the **[Select Language]** dialogue box appears, select the desired language that you want to use with this software. Click **[OK]**.



- 2 [Tools] → [Windows Firewall Setting]
  - The [Windows Firewall Setting Tool] window will appear.
- 3 [Add to the exceptions list] → [OK] → [OK]

---

#### To confirm the security settings (For Windows XP users)

1. [Control Panel] → [Security Center]
  - The [Windows Security Center] window will appear.
2. [Windows Firewall]
  - The [Windows Firewall] dialogue box will appear.
3. Click the [Exceptions] tab.
4. Confirm that [Panasonic Trap Monitor Service] and [Panasonic LPD] are displayed and checked on the [Programs and Services] list.

---

#### To confirm the security settings (For Windows Vista users)

1. [Control Panel] → [Security Center]
  - The [Windows Security Center] window will appear.
2. [Windows Firewall]
  - The [Windows Firewall] dialogue box will appear.
3. [Change settings]
  - The [User Account Control] dialogue box will appear.
4. [Continue]
5. Click the [Exceptions] tab.
6. Confirm that [Panasonic Trap Monitor Service], [Panasonic LPD Manager] and [Panasonic LPD] are displayed and checked on the [Program or port] list.

---

#### To confirm the security settings (For Windows 7/Windows 8 users)

1. [Control Panel] → [System and Security] → [Windows Firewall] → [Advanced settings]
  - The [Windows Firewall with Advanced Security] window will appear.
2. [Inbound Rules]
3. Confirm that [Panasonic Trap Monitor Service], [Panasonic LPD Manager] and [Panasonic LPD] are displayed and checked on the [Inbound Rules] list.

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### 11.4.10 Notice for KX-MB200/KX-MB700/KX-FLB880 series users

If you have already installed KX-MB200/KX-MB700/KX-FLB880 series Multi-Function Station on your computer, use the following instructions to modify or add the printer driver, which changes after installing the KX-MB2080/KX-MB2090 series Multi-Function Station.

You can modify or add a printer driver, as follows:

- 1 Start Windows and insert the KX-MB200/KX-MB700/KX-FLB880 series CD-ROM into your CD-ROM drive.
  - If the [Select Language] dialogue box appears, select the desired language that you want to use with this software. Click [OK].
- 2 [Modify]
- 3 Select [Modify Utilities] or [Add Multi-Function Station Driver]. Then follow the on-screen instructions.

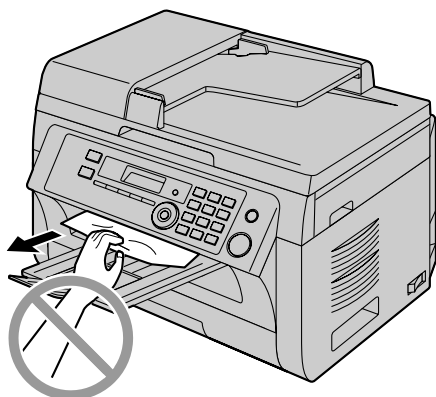
#### Important:

- For users of versions prior to 1.12, download the latest software as follows, then activate it. [Start] → [All Programs] → [Panasonic] → the unit's name → [Support Web Page]. Then follow the on-screen instructions.

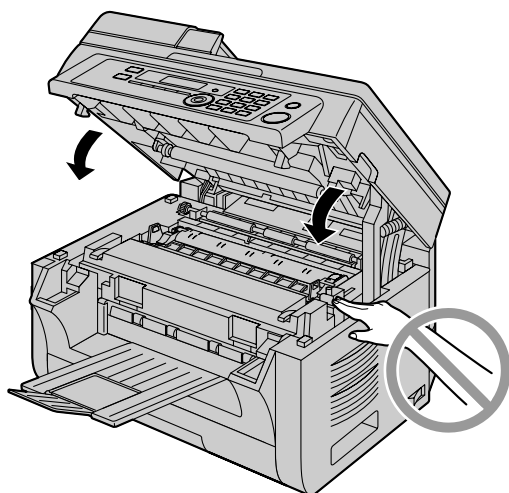
### 12.1 Recording paper jam

#### Caution:

- Do not pull out the jammed paper forcibly before opening the top cover.



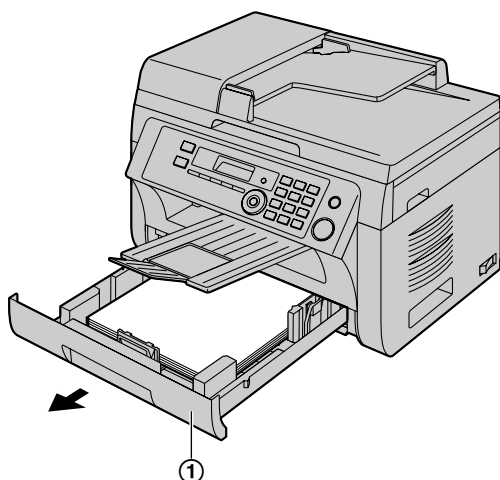
- To prevent injuries, be careful not to put your hands under the top cover.



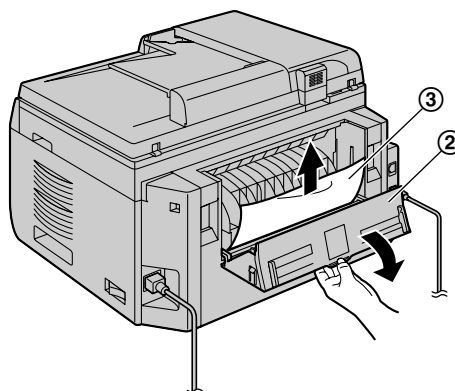
#### Case 1:

When the recording paper has jammed near the manual input tray:

1. Pull open the paper input tray (①).



2. Open the manual input tray (②) and remove the jammed paper (③) carefully by pulling it upwards. Then close the manual input tray.

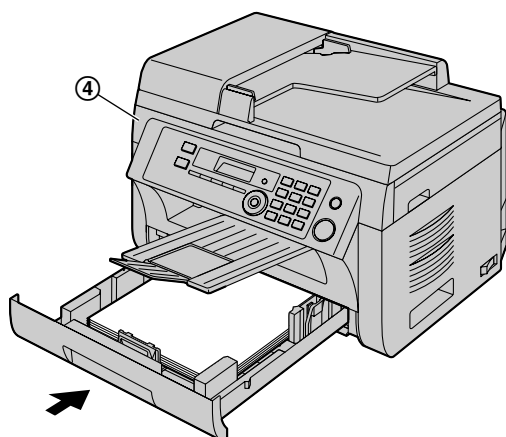


#### 12.1.1 When the recording paper has jammed inside of the unit

The display will show the following:

- “PAPER JAMMED”  
↑  
– “OPEN TOP COVER”  
– “CHECK REAR COVER”

3. Close the paper input tray.

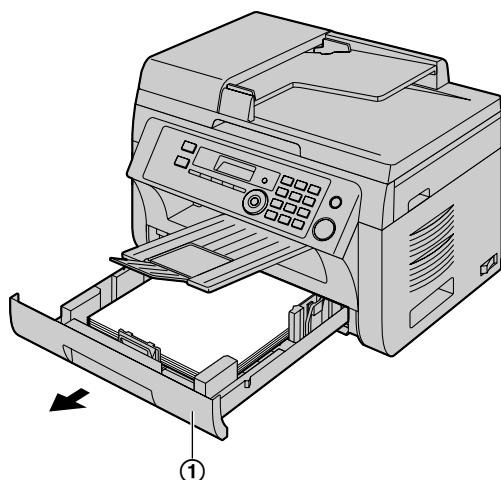


- Open and close the top cover (4) to clear the message.

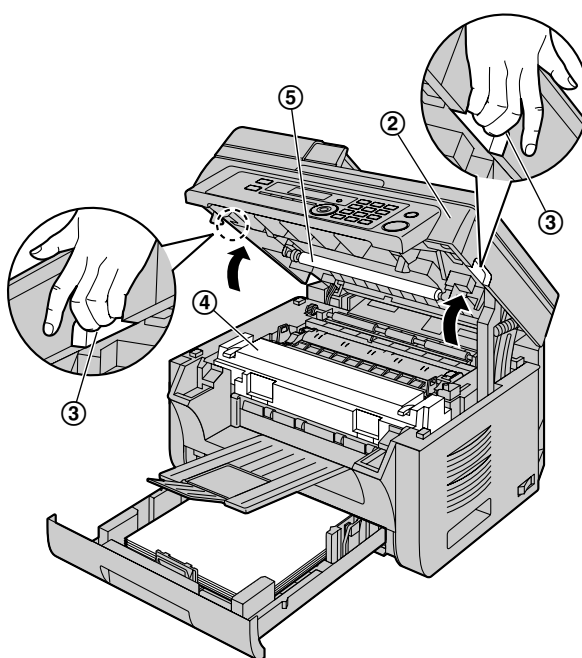
### Case 2:

When the recording paper has jammed near the drum and toner cartridge:

1. Pull open the paper input tray (1).



2. Open the top cover (2) by holding the indentations (3) on both sides of the unit.



### Caution:

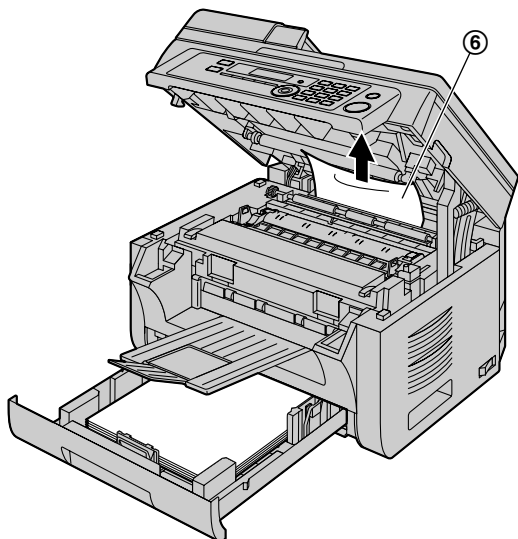
- The fuser unit (4) gets hot. Do not touch it.

### Note:

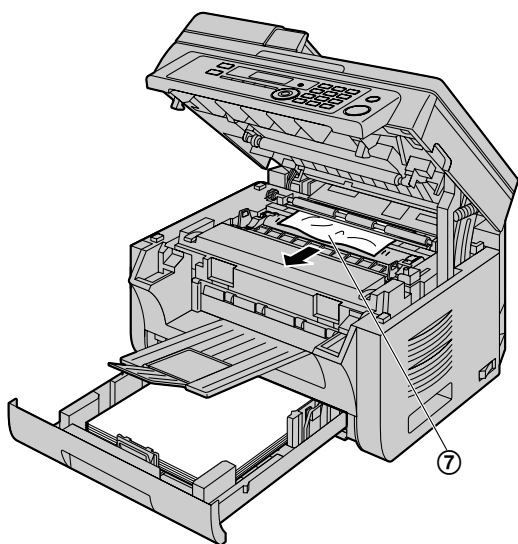
- Do not touch the transfer roller (5).

## 12. Paper Jams

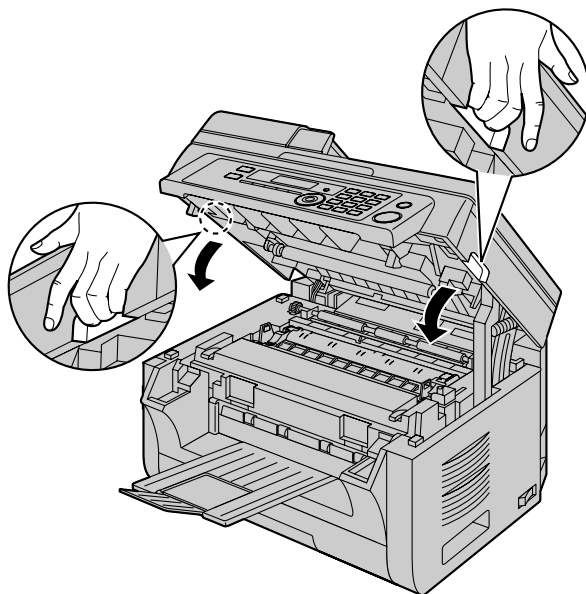
3. Remove the jammed paper (⑥) carefully by pulling it upwards.
4. Close the paper input tray.



Remove the jammed paper (⑦) carefully by pulling it toward you.



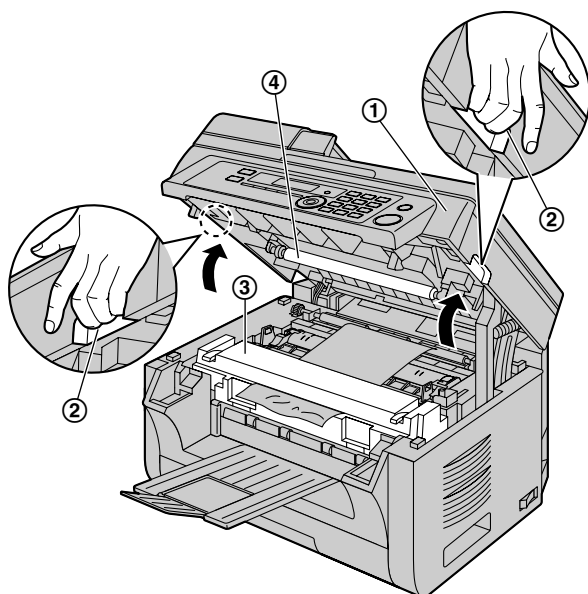
5. Close the top cover by holding the indentations on both sides of the unit, until locked.



**Case 3:**

**When the recording paper has jammed near the fuser unit:**

1. Open the top cover (①) by holding the indentations (②) on both sides of the unit.

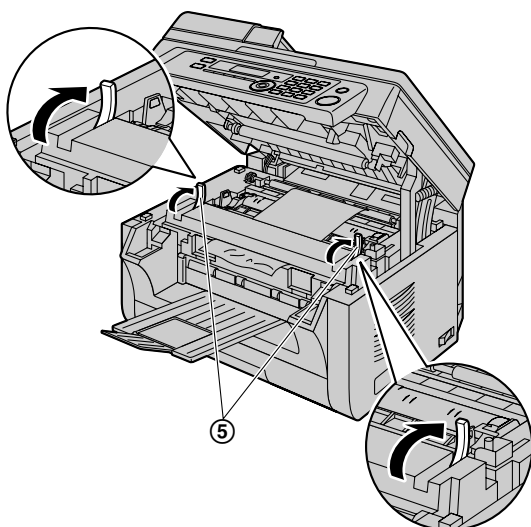
**Caution:**

- The fuser unit (③) gets hot. Do not touch it.

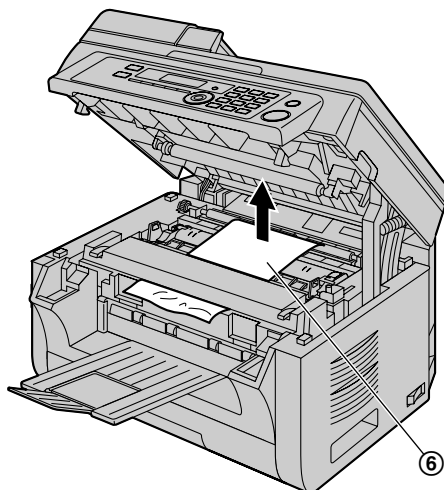
**Note:**

- Do not touch the transfer roller (④).

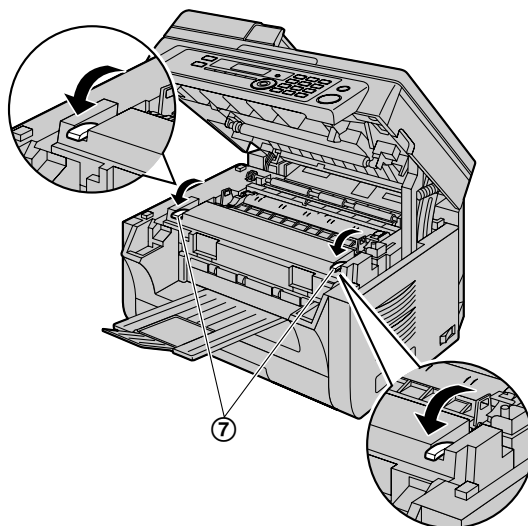
2. Lift both green levers (⑤) until they stop.



3. Remove the jammed paper (⑥) carefully by pulling it upwards.

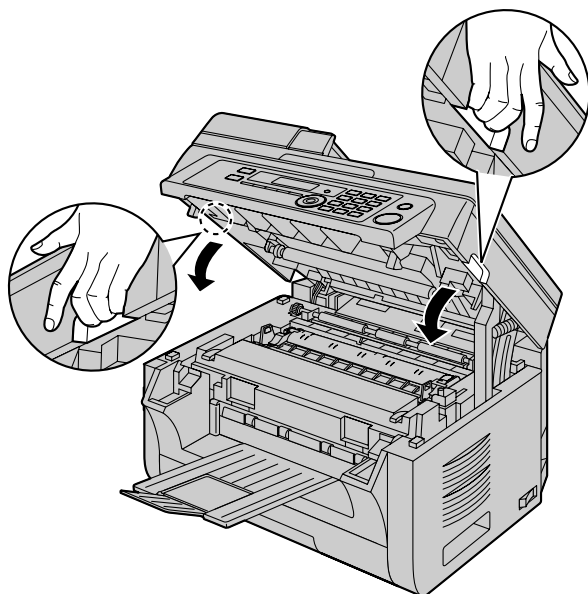


4. Push back the green levers (⑦) to the original position.



## 12. Paper Jams

5. Close the top cover by holding the indentations on both sides of the unit, until locked.

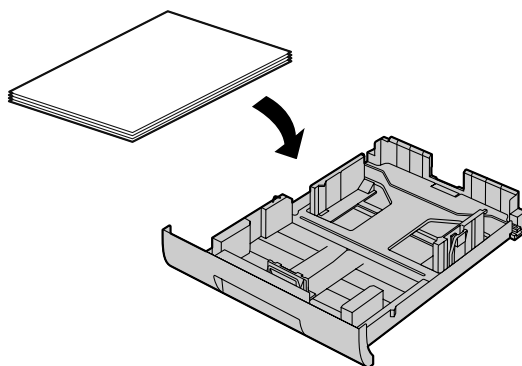


### 12.1.2 When the recording paper is not fed into the unit properly

The display will show the following:

- “CHECK PAPER #1 PRESS START”

- 1 Pull the paper input tray until it clicks into place, then pull it completely out, lifting the front part of the tray. Remove the recording paper and straighten.
- 2 Re-load the recording paper.



- 3 Insert the paper input tray into the unit, lifting the front part of the tray. Then push it completely into the unit.

#### Note:

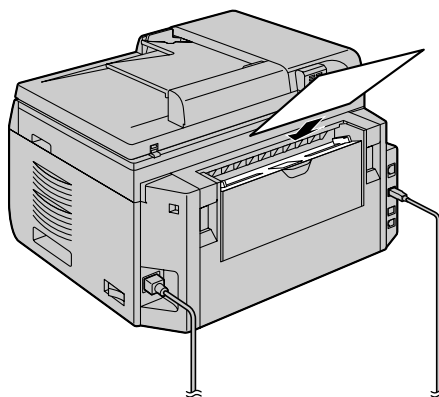
- If the message is still displayed, check the recording paper specifications and load the recording paper again. See page 14 for details.

### 12.1.3 When the recording paper in the manual input tray is not fed into the unit properly

The display will show the following.

- “CHECK PICK UP INPUT TRAY #2”

- 1 Remove the recording paper.
- 2 Re-insert the recording paper.



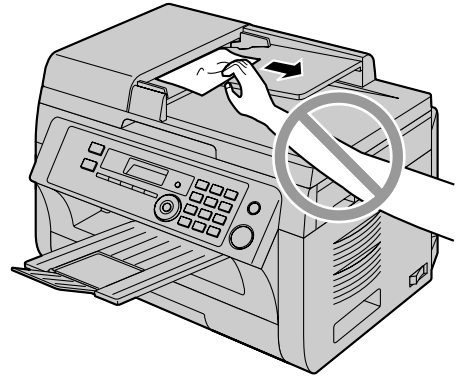
**Note:**

- If the message is still displayed, check the recording paper specifications and re-install recording paper. See page 15 for details.

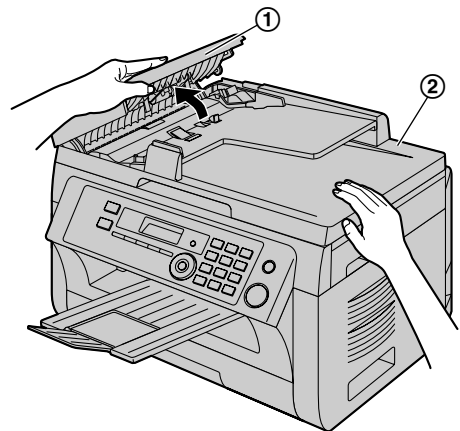
## 12.2 Document jams (Automatic document feeder)

**Caution:**

- Do not pull out the jammed document forcibly before lifting the ADF cover.



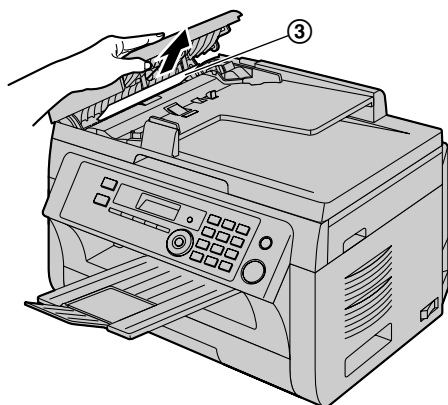
- 1 Open the ADF cover (①) while holding the document cover (②).



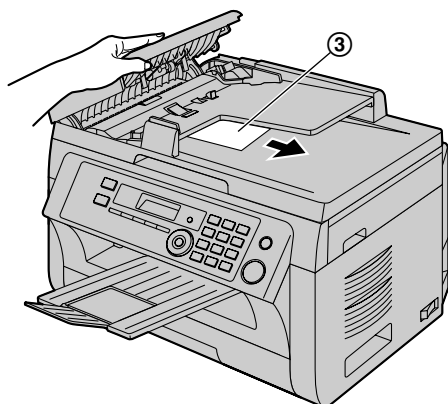
## 12. Paper Jams

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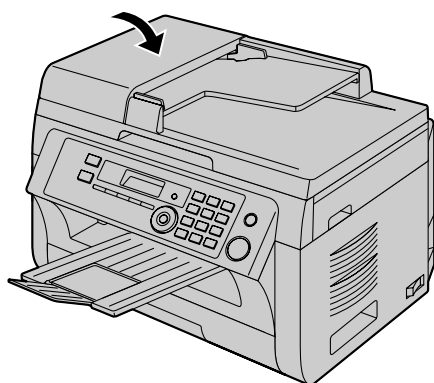
- 2** Remove the jammed document (③) carefully.  
**When the document has jammed near the document entrance:**



**When the document has jammed near the document exit:**



- 3** Close the ADF cover.





## 13.1 Cleaning the white plates and glass

Clean the white plates and glass when a black line, a white line or a dirty pattern appears on:

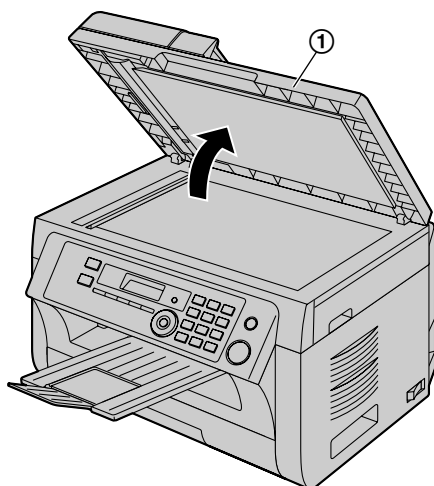
- your recording paper,
- the original document,
- the scanned data, or
- the fax document received by the other party.

### Caution:

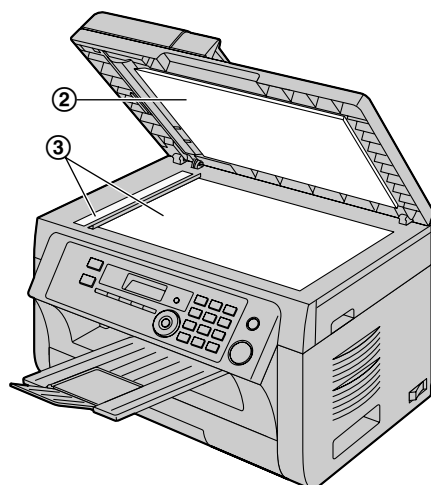
- **Be careful when handling the drum and toner cartridge. See the caution for the drum cartridge on page 10 for details.**
- **Do not use paper products, such as paper towels or tissues for cleaning.**

### 13.1.1 White plates and scanner glass

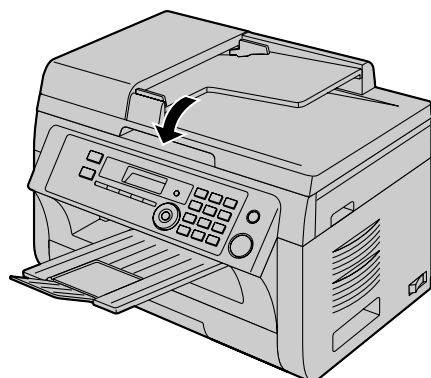
- 1 Open the document cover (①).



- 2 Hold the document cover while cleaning the white plates (②) and the scanner glass (③).



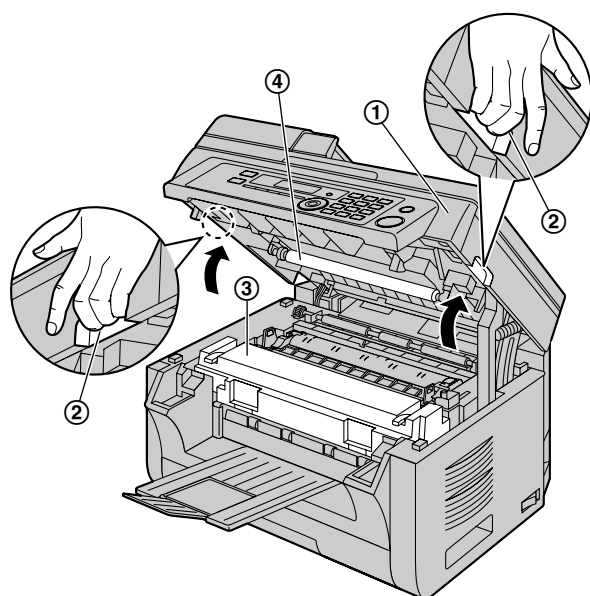
- 3 Close the document cover.



## 13. Cleaning

### 13.1.2 Lower glass

- 1 Turn the power switch OFF.
- 2 Open the top cover (①) by holding the indentations (②) on both sides of the unit.

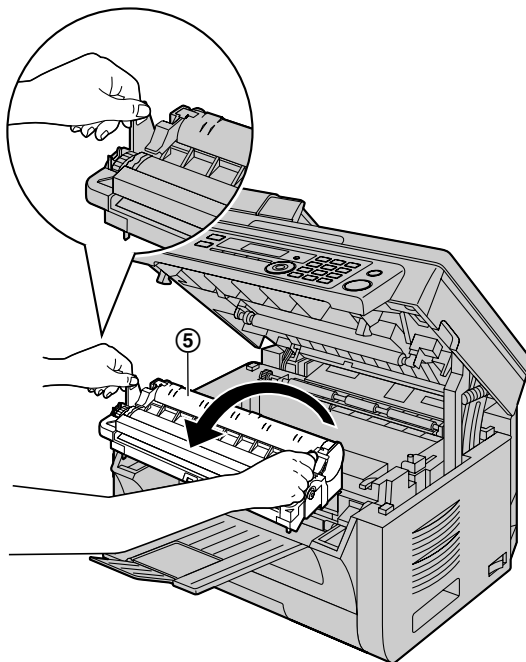


**Caution:**  
The fuser unit (③) gets hot. Do not touch it.

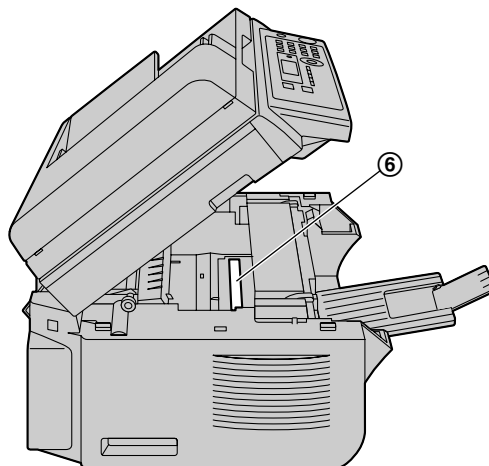
**Note:**

- Do not touch the transfer roller (④).

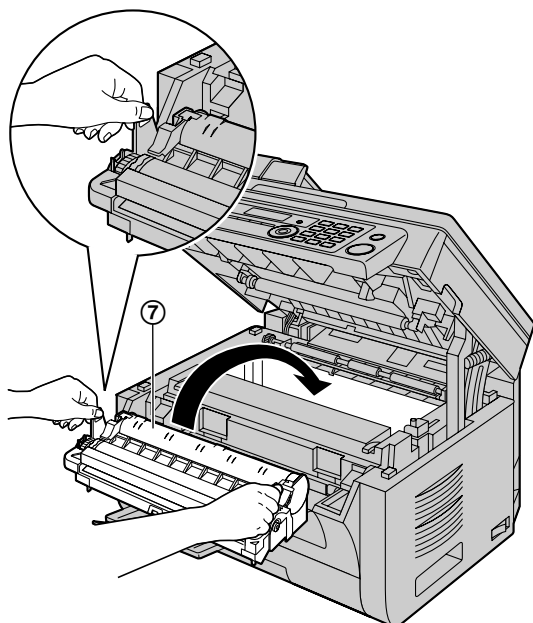
- 3 Remove the drum and toner cartridge (⑤) by holding the tabs.



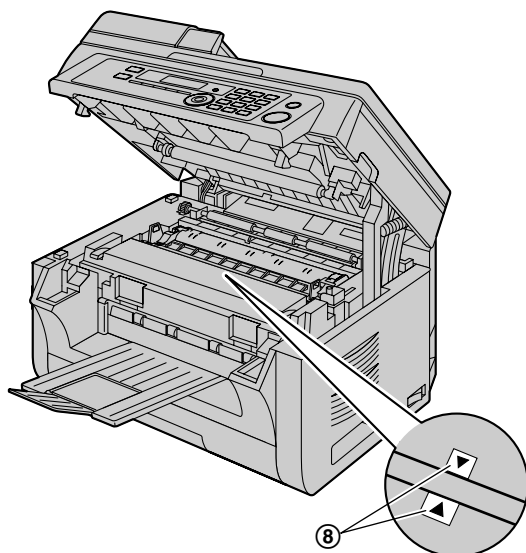
- 4 Clean the lower glass (⑥) with a soft and dry cloth.



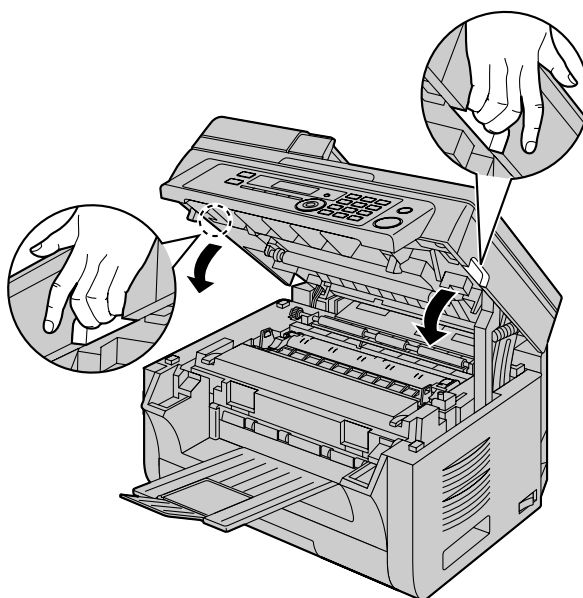
- 5 Reinstall the drum and toner cartridge (7) by holding the tabs.



- Make sure that the arrows (8) match, to install the drum and toner cartridge correctly.

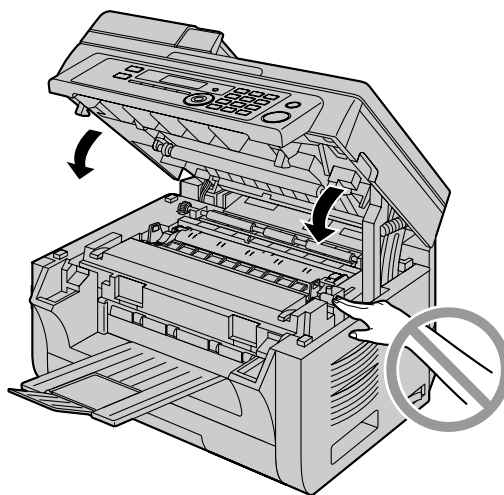


- 6 Close the top cover by holding the indentations on both sides of the unit, until locked.



**Caution:**

- To prevent injuries, be careful not to put your hands under the top cover.



- 7 Turn the power switch ON.

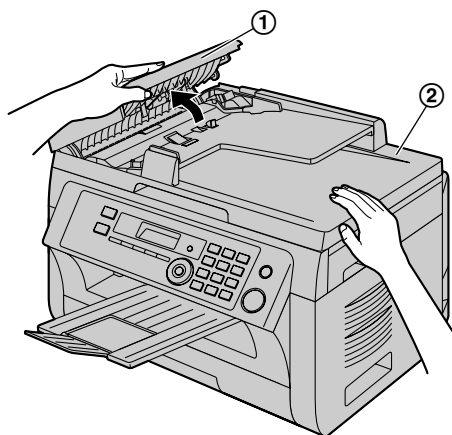
### 13.2 Cleaning the document feeder rollers

Clean the rollers when documents frequently misfeed.

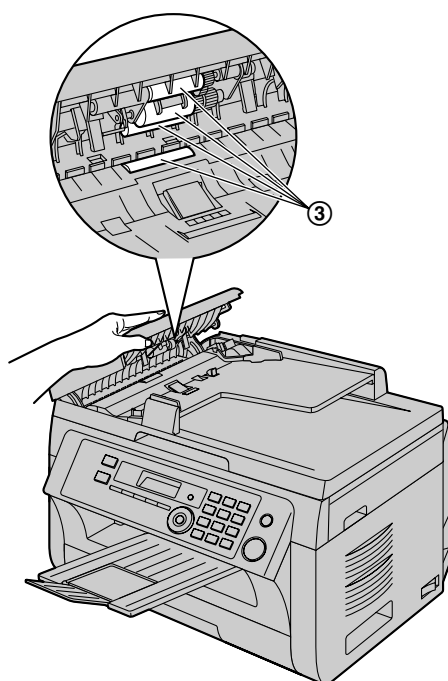
**Caution:**

- Do not use paper products, such as paper towels or tissues for cleaning.

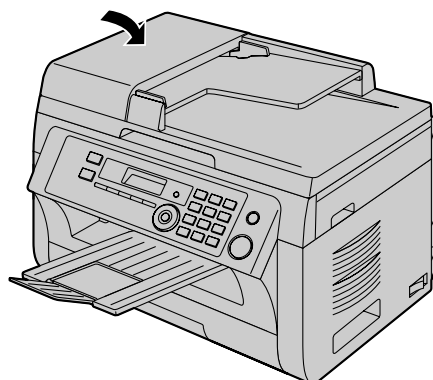
- 1 Turn the power switch OFF.
- 2 Open the ADF cover (①) while holding the document cover (②).



- 3 Clean the document feeder rollers (③) with a cloth moistened with water, and let all parts dry thoroughly.



- 4 Close the ADF cover.



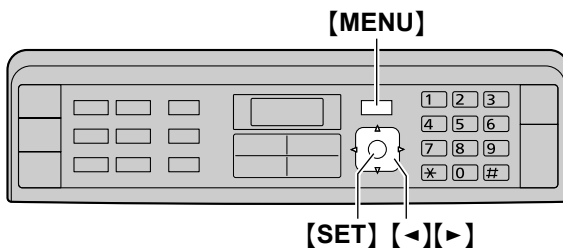
- 5 Turn the power switch ON.

## 14.1 Reference lists and reports

You can print out the following lists and reports for your reference.

- "SETUP LIST"
- "TEL NO. LIST"
- "JOURNAL REPORT"
- "BROADCAST LIST"
- "PRINTER TEST"
- "CALLER ID LIST"
- "ADDRESS LIST"\*<sup>1</sup>
- "FTP SERVER LIST"\*<sup>1</sup>
- "SMB FOLDER LIST"\*<sup>1</sup>
- "DEPT.PRINT COUNT"

\*<sup>1</sup> KX-MB2090 only



- 1 Press **[MENU]** repeatedly to display "PRINT REPORT".
- 2 Press **[◀]** or **[▶]** repeatedly to display the desired item.
- 3 Press **[SET]** to start printing. → **[MENU]**

## 14.2 Specifications

### ■ Applicable lines:

Public Switched Telephone Network

### ■ Document size:

Max. 216 mm in width, Max. 600 mm in length

### ■ Effective scanning width:

208 mm

### ■ Effective printing width:

Letter/Legal: 208 mm

A4: 202 mm

### ■ Transmission time\*<sup>1</sup>:

Approx. 4 s/page (ECM-MMR Memory transmission)\*<sup>2</sup>

### ■ Scanning density:

Scanning resolution:

Up to 600 × 1,200 dpi (Optical)

Up to 19,200 × 19,200 dpi (Interpolated)

### Copy resolution:

Up to 600 × 600 dpi

### Fax resolution:

Horizontal: 8 pels/mm

Vertical: 3.85 lines/mm -in standard resolution,  
7.7 lines/mm -in fine/photo resolution,  
15.4 lines/mm -in super fine resolution

### ■ Photo resolution:

64-level

### ■ Scanner type:

Colour Contact Image Sensor (CIS)

### ■ Printer type:

Laser Printer

### ■ Data compression system:

Modified Huffman (MH), Modified READ (MR),  
Modified Modified READ (MMR)

### ■ Modem speed:

33,600 / 31,200 / 28,800 / 26,400 / 24,000 / 21,600 /  
19,200 / 16,800 / 14,400 / 12,000 / 9,600 / 7,200 /  
4,800 / 2,400 bps; Automatic Fallback

### ■ Operating environment:

10 °C - 32.5 °C, 20 % - 70 % RH (Relative Humidity)

### ■ Dimensions:

Approx. width 420 mm × depth 432 mm × height  
305 mm

(Width is 505 mm when the handset unit is installed.)

### ■ Mass (Weight):

Approx. 12 kg

### ■ Power consumption:

Sleep: MB2085: Less than 2.7 W

MB2090: Less than 2.7 W\*<sup>3</sup>

Less than 3.0 W\*<sup>4</sup>

Ready: Approx. 65 W

Copy: Approx. 500 W

## 14. General Information

Maximum: Approx. 1,000 W (When the fuser lamp turns on)

### ■ Power supply:

220-240 V AC, 50/60 Hz

### ■ Memory capacity

(for operation and storing memory):

32 MB

### ■ Fax memory capacity:

3.5 MB in total

Approx. 110 pages of memory reception

Approx. 150 pages of memory transmission

(Based on the ITU-T No. 1 Test Chart in standard resolution.)

### ■ Scan to email address memory capacity\*5:

5 MB in total (including the header and email message) or 50 pages, whichever limit is reached first.

### ■ Scan to FTP server memory capacity\*5:

5 MB in total or 50 pages, whichever limit is reached first.

### ■ Scan to SMB folder memory capacity\*5:

5 MB in total or 50 pages, whichever limit is reached first.

### ■ Laser diode properties:

Laser output: Max. 15 mW

Wavelength: 760 nm - 800 nm

Emission duration: Continuous

### ■ Print speed:

Approx. 26 ppm (pages per minute)

### ■ Printing resolution:

600 × 600 dpi

### ■ CIS's LED light properties:

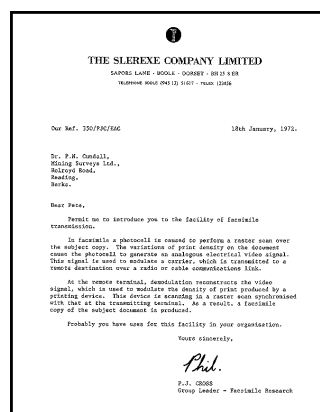
LED radiation output: Max. 1 mW

Wavelength: Red 630 nm typical  
Green 520 nm typical  
Blue 465 nm typical

Emission duration: Continuous

- \*1 Transmission speed depends on the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.
- \*2 Transmission speed is based on the ITU-T No. 1 Test Chart with original mode. If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.
- \*3 Only when connected via USB interface and LAN mode (feature #580 on page 71) is OFF.
- \*4 Only when connected to a wired LAN.
- \*5 KX-MB2090 only

## ITU-T No.1 Test Chart



### Note:

- Design and specifications are subject to change without notice.
- The accuracy of the clock is approximately  $\pm 60$  seconds a month.

## Recording paper specifications

### Plain paper/Thin paper size:

A4: 210 mm × 297 mm

Letter: 216 mm × 279 mm

Legal: 216 mm × 356 mm\*1

B5(JIS): 182 mm × 257 mm

B5(ISO): 176 mm × 250 mm

16K: 195 mm × 270 mm

216 × 330: 216 mm × 330 mm\*1

216 × 340: 216 mm × 340 mm\*1

Custom size: 210-216 mm × 279-356 mm\*1\*2

### Label size:

A4: 210 mm × 297 mm

Letter: 216 mm × 279 mm

### Recording paper weight:

64 g/m<sup>2</sup> to 90 g/m<sup>2</sup>

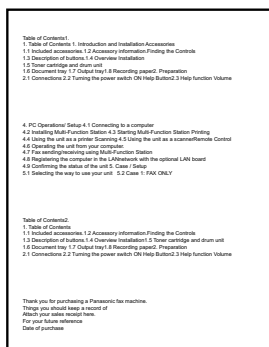
- \*1 Manual input tray only
- \*2 When printing with the computer, custom size recording paper can also be used.

## Toner life

Toner cartridge life depends on the amount of content in a printed document. Toner cartridge life varies in actual usage. The following is the approximate number of pages that the toner cartridge can print according to the various printing examples.

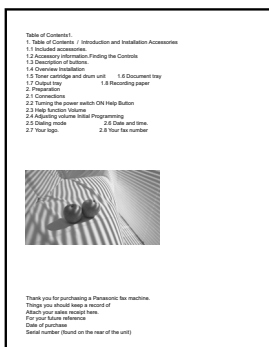
### Example 1

Approx. 2,000 pages can be printed.



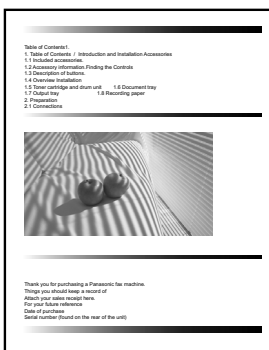
### Example 2

Approx. 1,000 pages can be printed.



### Example 3

Approx. 650 pages can be printed.



pages your toner cartridge will print may be significantly less than this estimate if your unit is often used for printing small number of pages per job. Because many of the factors that determine the actual toner cartridge life cannot be controlled, we cannot guarantee a minimum number of pages that will be printed by your toner cartridge.

- The number of pages changes with the depth, thickness and size of the characters.
- If you turn on the toner save feature, the toner cartridge will last approx. 20 % longer.

## Drum life

The drum cartridge needs to be replaced regularly. The maximum drum life is approx. 6,000 pages.

### Note:

- There are various factors that determine the actual drum cartridge life, such as temperature, humidity, type of paper and how much toner you use for the number of pages per print job. The actual number of pages your drum cartridge will print may be significantly less than this estimate if your unit is often used for printing small number of pages per job. Because many of the factors that determine the actual drum cartridge life cannot be controlled, we cannot guarantee a minimum number of pages that will be printed by your drum cartridge.

## Waste disposal method

Waste material should be disposed of under conditions which meet all national and local environmental regulations.

### Note:

- There are various factors that determine the actual toner cartridge life, such as temperature, humidity, type of paper and how much toner you use for the number of pages per print job. The actual number of

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- JPEG

This software is based in part on the work of the Independent JPEG Group.

### 15.1 Index

#### #

#101 Date and time: 21  
#102 Your logo: 22  
#103 Your fax number: 22  
#114 Location: 55  
#120 Dialling mode: 18  
#121 Recall/Flash time: 56  
#124 ADSL mode: 56  
#145 LCD display contrast: 56  
#147 Scale selection: 56  
#148 Display interval: 56  
#151 Change administrator code: 56  
#154 Mode restriction: 78  
#155 Change password: 57  
#158 Maintenance time: 57  
#159 Set all features to default: 57  
#161 Ringer pattern: 57  
#165 Beep sound: 57  
#210 FAX ring count: 58  
#212 TEL/FAX delayed ring count: 60  
#216 Automatic caller ID list: 58  
#226 Time adjustment: 58  
#289 All phonebook erase: 60  
#380 Paper size in the paper input tray: 58  
#381 Paper size in the manual input tray: 58  
#383 Paper type for paper input tray: 58  
#384 Paper type for manual input tray: 58  
#401 Sending report: 39, 60  
#402 Automatic journal report: 39, 60  
#403 Power save: 59  
#404 Manual answer mode: 60  
#405 Default fax resolution: 60  
#411 Overseas mode: 61  
#412 Delayed send: 61  
#413 ECM selection: 61  
#416 Connecting tone: 62  
#418 Maximum fax speed: 62  
#419 Quick scan: 62  
#420 Confirming the destination: 62  
#421 Dial keypad entry restriction: 62  
#422 Fax number re-entry: 62  
#424 Confirming the next document: 62  
#430 Distinctive Ring: 54  
#431 Fax ring pattern: 54  
#432 Auto reduction: 63  
#434 Fax activation code: 63  
#435 Auto disconnection: 63  
#436 Silent fax ring count: 63  
#437 Memory reception alert: 64  
#438 Friendly reception: 64  
#442 PC fax setting: 64  
#443 PC fax reception: 50  
#448 Fax preview mode: 51  
#450 Web fax preview access code: 64  
#451 Fax receive notify: 64  
#452 Fax to email address setting: 65  
#458 All received fax erase: 65  
#459 Set fax features to default: 65  
#460 Input tray setting for copy: 66

#461 Default copy resolution: 66  
#462 Contrast hold: 59  
#463 Default operation mode: 59  
#464 Mode timer: 59  
#467 Page layout hold: 66  
#468 Zoom hold: 66  
#469 Collate hold: 66  
#473 Edge hold: 66  
#474 Frame margin: 66  
#475 Margin hold: 66  
#479 Counter view for departments: 79  
#482 Toner save: 12, 59  
#493 Scan mode: 68  
#494 Scan parameter hold: 68  
#500 DHCP mode: 69  
#501 IP address: 69  
#502 Subnet mask: 69  
#503 Default gateway: 69  
#504 DNS server #1: 69  
#505 DNS server #2: 69  
#507 Machine name: 69  
#508 MAC address: 69  
#513 Bonjour: 69  
#526 Network status: 88  
#532 IP filtering: 69  
#533 Auto IP: 70  
#534 HTTPD: 70  
#535 IPv6 protocol: 70  
#538 WINS server #1: 70  
#539 WINS server #2: 70  
#578 All email address erase: 70  
#580 LAN mode: 71  
#774 Data timeout: 67  
#776 Mutual A4/letter print: 67

#### A

Address list: 109  
ADSL mode (Feature #124): 56  
Answering machine: 48  
Auto disconnection (Feature #435): 63  
Auto IP (Feature #533): 70  
Auto reduction (Feature #432): 63  
Automatic document feeder: 20, 40

#### B

Basic features: 55  
Beep sound (Feature #165): 57  
Bonjour (Feature #513): 69  
Broadcast programming list: 109  
Broadcast transmission: 42

#### C

Caller ID: 52  
    Calling back: 52  
    Storing: 53  
Caller ID list (Feature #216): 58  
Character entry: 76  
Cleaning: 105, 108  
Collate hold (Feature #469): 66  
Confirming the destination (Feature #420): 62

Confirming the next document (Feature #424): 62  
 Connecting tone (Feature #416): 62  
 Connections: 17  
   LAN: 17  
   USB: 25  
 Contrast: 33, 39  
 Contrast hold (Feature #462): 59  
 Copy: 33  
   Collation: 34  
   Edge: 37  
   Image repeat: 35  
   Margin: 38  
   N in 1: 36  
   N in 1 (Separate): 37  
   Poster: 36  
   Proof set: 35  
   Quick ID: 35  
   Reserve: 38  
   Zoom: 34  
 Copy features: 66  
 Copy size: 33  
 Count number report: 79

## D

Data timeout (Feature #774): 67  
 Date and time (Feature #101): 21  
 Default copy resolution (Feature #461): 66  
 Default fax resolution (Feature #405): 60  
 Default gateway (Feature #503): 69  
 Default operation mode (Feature #463): 59  
 Delayed transmission (Feature #412): 61  
 DHCP mode (Feature #500): 69  
 Dial keypad entry restriction (Feature #421): 62  
 Dialling mode (Feature #120): 18  
 Display contrast (Feature #145): 56  
 Display interval (Feature #148): 56  
 Display messages: 84  
 Distinctive Ring service (Feature #430): 54  
 DNS server #1 (Feature #504): 69  
 DNS server #2 (Feature #505): 69  
 Document size: 19  
 Drum cartridge: 10  
 Drum life: 111

## E

Easy Print Utility: 28  
 ECM selection (Feature #413): 61  
 Edge hold (Feature #473): 66  
 Email address  
   All erase (Feature #578): 70  
   Storing: 75, 80  
 Email conditions (SSL exception): 90  
 Extension telephone: 46

## F

Fax activation code (Feature #434): 63  
 Fax features: 60  
 Fax number (Feature #103): 22  
 Fax number re-entry (Feature #422): 62  
 FAX ONLY mode: 45

Fax preview mode (Feature #448): 51  
 Fax receive notify (Feature #451): 64  
 FAX ring count (Feature #210): 58  
 Fax to email address: 45  
 Fax to email address setting (Feature #452): 65  
 Flash time (Feature #121): 56  
 Frame margin (Feature #474): 66  
 Friendly reception (Feature #438): 64  
 FTP server information: 73  
 FTP server list: 109

## H

Handset unit: 80  
 HTTPD (Feature #534): 70

## I

Input tray setting  
   Copy (Feature #460): 66  
 IP address (Feature #501): 69  
 IP filtering (Feature #532): 69  
 IPv6 protocol (Feature #535): 70

## J

Jams  
   Document: 103  
   Recording paper: 98  
 Journal report (Feature #402): 39, 60, 109  
 Junk fax prohibitor: 49

## L

Label: 28  
 LAN features: 69  
 LAN mode (Feature #580): 71  
 Location (Feature #114): 55  
 Logo (Feature #102): 22

## M

MAC address (Feature #508): 69  
 Machine name (Feature #507): 69  
 Maintenance time (Feature #158): 57  
 Manual answer mode (Feature #404): 60  
 Manual input tray: 15  
 Margin hold (Feature #475): 66  
 Maximum fax speed (Feature #418): 62  
 Memory reception alert (Feature #437): 64  
 Mode restriction  
   Activating (Feature #154): 78  
   Administrator code (Feature #151): 56  
   Counter view (Feature #479): 79  
   Department code: 78  
 Mode timer (Feature #464): 59  
 Multi-Function Station software  
   Activating: 26  
   Installing: 24  
   Uninstalling: 25  
 Mutual A4/letter print (Feature #776): 67

### N

Network features: 72  
Network status (Feature #526): 88

### O

OCR software: 24, 26  
One-touch dial  
    Sending faxes: 41  
Overseas mode (Feature #411): 61

### P

Page layout hold (Feature #467): 66  
Paper size  
    Manual input tray (Feature #381): 58  
    Paper input tray (Feature #380): 58  
Paper type  
    Manual input tray (Feature #384): 58  
    Paper input tray (Feature #383): 58  
Password (Feature #155): 57  
PC fax reception (Feature #443): 50  
PC fax setting (Feature #442): 64  
PC print features: 67  
Phonebook  
    All erase (Feature #289): 60  
    Sending faxes: 41  
    Storing: 40  
Polling: 48  
Power failure: 96  
Power save (Feature #403): 59  
Power switch: 18  
Printer test: 109  
Programming: 55  
Pull scan: 31  
    Scan application: 31  
    Viewer: 31  
Push scan: 30

### Q

Quick scan: 40  
Quick scan mode (Feature #419): 62

### R

Recall time (Feature #121): 56  
Receiving faxes  
    All erase (Feature #458): 65  
    Automatically: 45  
    Computer: 50  
    Manually: 46  
    Web browser: 51  
Recording paper: 14  
Recording paper size: 110  
Redialling: 39, 41  
Reports  
    Address: 109  
    Broadcast programming: 109  
    Broadcast sending: 43  
    Caller ID: 58, 109  
    Count number: 79, 109

FTP server: 109  
Journal: 39, 60, 83, 109  
Power down: 96  
Printer test: 109  
Sending: 39, 60, 83  
Setup: 109  
SMB folder: 109  
Telephone number: 109  
Reset all features (Feature #159): 57  
Reset fax features (Feature #459): 65  
Resolution: 33, 39  
Ring count  
    FAX ONLY (Feature #210): 58  
    Silent fax (Feature #436): 63  
    TEL/FAX (Feature #212): 60  
Ring pattern for Distinctive Ring (Feature #431): 54  
Ringer pattern (Feature #161): 57

### S

Scale selection (Feature #147): 56  
Scan features: 68  
Scan mode (Feature #493): 68  
Scan parameter hold (Feature #494): 68  
Scanner glass: 19, 39  
Sending faxes  
    Broadcast: 43  
    Computer document: 44  
    From memory: 40  
    Manually: 39  
    One-touch dial: 41  
    Phonebook: 41  
Sending report (Feature #401): 39, 60  
Set fax default (Feature #459): 65  
Setup list: 109  
SMB folder information: 73  
SMB folder list: 109  
Storing  
    Broadcast: 42  
    Email address: 75, 80  
Subnet mask (Feature #502): 69

### T

TEL mode: 46  
TEL/FAX mode: 47  
Telephone number list: 109  
Time adjustment (Feature #226): 58  
Toner cartridge: 10  
Toner life: 111  
Toner save (Feature #482): 12, 59

### V

Volume: 21

### W

Web fax preview access code (Feature #450): 64  
WINS server #1 (Feature #538): 70  
WINS server #2 (Feature #539): 70



**Z**

Zoom hold (Feature #468): 66







\*MB2085CX\*