Panasonic®

High Speed Laser Fax with Copier Function

Operating Instructions

Model No. **KX-FL501C**

Please read these Operating Instructions before using the unit and save for future reference.

For assistance, please call 1-800-300-4644 or visit us at www.panasonic.ca

PFQX1493ZA   BM1100MN0

Thank you for purchasing a Panasonic facsimile.

You can select English or French for the language.

The display will be in the selected language. The default setting is "ENGLISH". If you want to change the setting to "FRENCH", see feature #48 on page 57.

For your future reference

Date of purchase

Serial number

(found on the rear of the unit)

Dealer's name and address

Dealer's telephone number

Caution:

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

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Important safety instructions

When using this unit, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or personal injury.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from power outlets before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not use this unit near water, for example near a bathtub, wash bowl, kitchen sink, or the like.
5. Place the unit securely on a stable surface. Serious damage and/or injury may result if the unit falls.
6. Do not cover slots and openings on the unit. They are provided for ventilation and protection against overheating. Never place the unit near radiators, or in a place where proper ventilation is not provided.
7. Use only the power source marked on the unit. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
8. For safety purposes this unit is equipped with a grounded plug. If you do not have this type of outlet, please have one installed. Do not use any type of adaptor plug to defeat this safety feature.
9. Do not place objects on the power cord. Install the unit where no one can step or trip on the cord.
10. Do not overload wall outlets and extension cords. This can result in the risk of fire or electric shock.
11. Never push any objects through slots in this unit. This may result in the risk of fire or electric shock. Never spill any liquid on the unit.
12. To reduce the risk of electric shock, do not disassemble this unit. Take the unit to an authorized service centre when service is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the unit is subsequently used.
13. Unplug this unit from the wall outlet and refer servicing to an authorized service centre when the following conditions occur:
    A. When the power supply cord or plug is damaged or frayed.
    B. If liquid has been spilled into the unit.
    C. If the unit has been exposed to rain or water.
    D. If the unit does not work normally by following the operating instructions. Adjust only controls covered by the operating instructions. Improper adjustment may require extensive work by an authorized service centre.
    E. If the unit has been dropped or physically damaged.
    F. If the unit exhibits a distinct change in performance.
14. During thunderstorms, avoid using telephones except cordless types. There may be a remote risk of an electric shock from lightning.
15. Do not use this unit to report a gas leak, when in the vicinity of the leak.

SAVE THESE INSTRUCTIONS

Safety instructions

CAUTION:

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

> DANGER-Invisible laser radiation when open and interlock defeated.
> AVOID DIRECT EXPOSURE TO BEAM.
> DANGER-RADIATION LASER INVISIBLE LORSQUE OUVERT ET DISPOSITIF DE VERROUILLAGE HORS SERVICE.
> ÈVITER TOUTE EXPOSITION AU FAISCEAU.
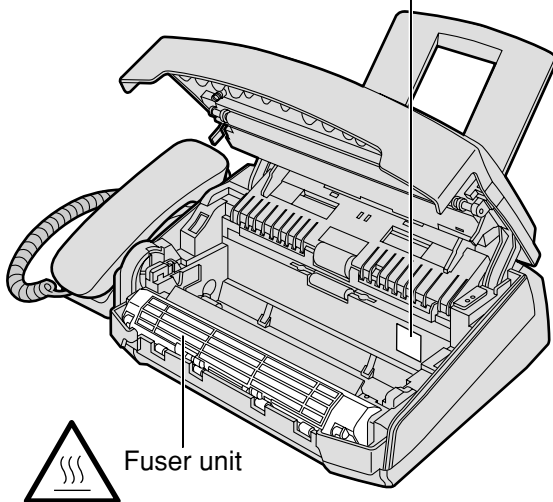
Fuser unit

Fuser unit
● The fuser unit gets hot. Do not touch it.

Toner cartridge
● Be careful of the following when you handle the toner cartridge.
  —If you ingest any toner, drink several glasses of water to dilute your stomach contents, and seek immediate medical treatment.
  —If any toner comes into contact with your eyes, flush them thoroughly with water, and seek medical treatment.
  —If any toner comes into contact with your skin, wash the area thoroughly with soap and water.

Drum unit
● Read the instructions on pages 12 and 13 before you begin installation of the drum unit. After you have read them, open the drum unit protection bag. The drum unit contains a photosensitive drum. Exposing it to light may damage the drum.
  Once you have opened the protection bag:
  —Do not expose the drum unit to light for more than 5 minutes.
  —Do not touch or scratch the green drum surface.
  —Do not place the drum unit near dust or dirt, or in a high humidity area.
  —Do not expose the drum unit to direct sunlight.

CAUTION:

Installation

- Never install telephone wiring during a lightning storm.

- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

- Use caution when installing or modifying telephone lines.

WARNING:

- To prevent the risk of fire or electrical shock, do not expose this product to rain or any type of moisture.

OTHER INFORMATION:

- 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 this unit.

- Do not touch the plug with wet hands.

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Copy

Programmable Features

Help

General Information

Accessories

Included accessories

Power cord..............1	Telephone line cord...1	Handset...................1	Handset cord..........1
Part No. PFJA1030Z	Part No. PQJA10075Z	Part No. PFJXE0805Z	Part No. PFJA1029Z
Paper stacker..........1	Document stacker ...1	Paper tray 1	Operating instructions...1
Part No. PFZX1FL501M	Part No. PFKS1055Z	Part No. PFZXFL501M	Part No. PFQX1493Z
Quick Start Sheet 1	Drum unit.................1	Toner cartridge.........1 (complementary starter toner cartridge)	
Part No. PFQW1457Z		This cartridge can print approx. 800 sheets of letter size paper with a 5% image area. Refer to image area on page 79. Please purchase a replacement toner cartridge Model No. KX-FA76A for continuous use of your unit.	

●If any item is missing or damaged, check with the place of purchase.
●The part numbers listed above are subject to change without notice.
●Save the original carton and packing materials for future shipping and transportation of the unit.

Accessory information

Model No.	Item	Usage	Specifications
KX-FA76A	Toner cartridge	For replacement. See page 68.	See page 79.
KX-FA77A	Drum unit	For replacement. See page 68.	See page 79.

For ordering information, please contact your local Panasonic dealer.

Help function

You can print a quick reference for assistance as follows.

1 Press (**HELP**).

Display: | ROTATE ↻ & SET |

2 Rotate (**SPEED DIRECTOR**) until the desired item is displayed.

1. How to set the date, time, your logo and fax number.

| QUICK SET UP |

2. How to program the features.

| FEATURE LIST |

3. How to store names in the SPEED DIRECTOR directory and how to dial them.

| SPEED DIALING |

4. Help with problems sending/receiving faxes.

| FAX SND/RCV |

5. How to use the copier function.

| COPIER |

6. Frequently asked questions and answers.

| Q and A |

7. Explanation of error messages shown on the display.

| ERRORS |

8. List of available reports.

| REPORTS |

9. How to use the Call Display service.

| CALL DISPLAY |

3 Press (**SET**).

| PRINTING |

(**HELP**) Display

(**SPEED DIRECTOR**) (**SET**)
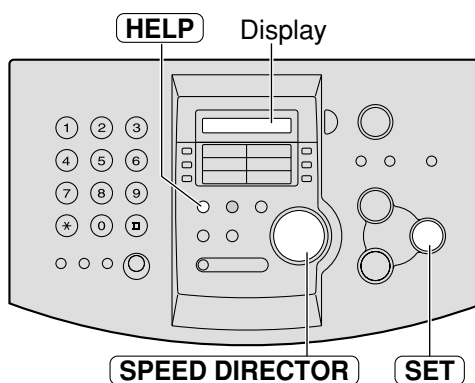
Finding the Controls

Overview

Document guides

Handset
●To make or answer calls

Paper tray

Speaker
(Left side of the unit)

Recording paper entrance

Front cover

Document entrance

Document stacker

Front cover open button

Document exit

Recording paper exit

Paper stacker extender
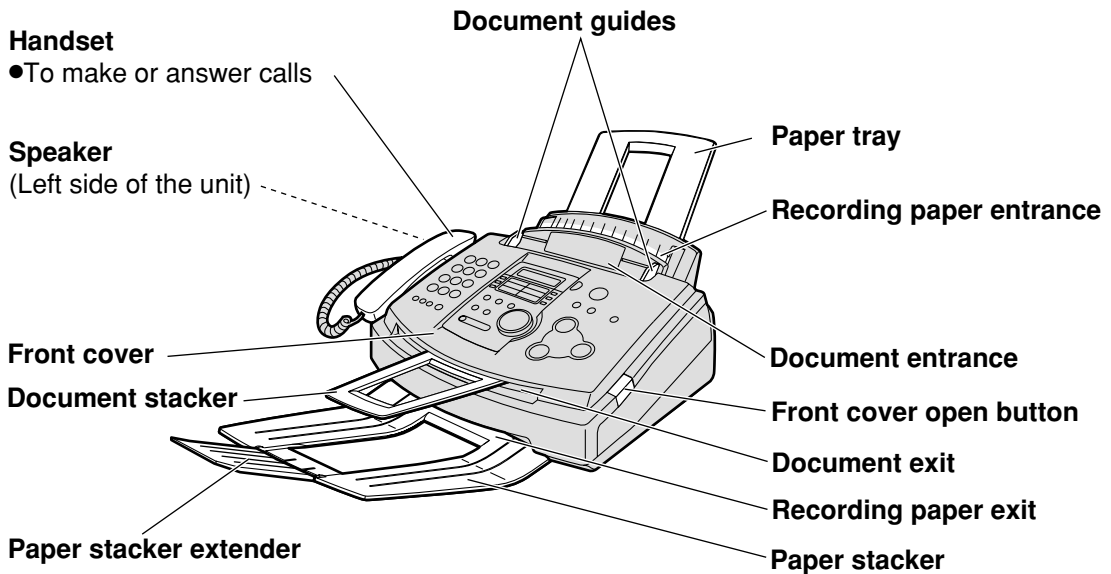
Paper stacker

*The document stacker and
paper stacker may not be
shown in all illustrations.

Location

•To turn on/off AUTO ANSWER (p. 40, 41).

•To store a scanned document into memory, and then send it (p. 32).

•To make a collated copy (p. 51).

•To adjust volumes (p. 21).

•To use ONE-TOUCH DIAL (p. 22, 26, 33).
•To transmit to multiple stations (p. 36, 39).

•To select an enlargement or reduction rate in copy mode (p. 51).

•To print a quick reference (p. 9).

•To select a resolution (p. 32, 50)

Dial keypad

Display

•To dial without lifting the handset.

•To use Call Display service (p. 28–30).

•To initiate or exit programming.

•To initiate fax transmission or reception.

•To access special telephone services such as call waiting or transferring an extension call.

•To store or edit names and telephone numbers (p. 22–25).

•To store a setting during programming.

•To mute your voice to the other party during conversation. Press this button again to resume conversation.

•To search for a stored name (p. 26, 33).

•To select the features or feature settings during programming (p. 52).

•To initiate copying (p. 50).

•To stop an operation or cancel programming.

•To redial the last number dialed.
•To insert a pause during dialing.

•To confirm a stored telephone number (p. 26).

•To select stations 6–10 for ONE-TOUCH DIAL (p. 22, 26, 33).

•To change from pulse to tone temporarily during dialing when your line has rotary pulse services.

Setup

Toner cartridge and drum unit

Caution:
● **Read the instructions below before you begin installation. After you have read them, open the drum unit protection bag. The drum unit contains a photosensitive drum. Exposing it to light may damage the drum. Once you have opened the protection bag:**
—Do not expose the drum unit to light for more than 5 minutes.
—Do not touch or scratch the green drum surface.
—Do not place the drum unit near dust or dirt, or in a high humidity area.
—Do not expose the drum unit to direct sunlight.

1 Remove the toner cartridge and drum unit from the protection bags. Peel off the seal from the toner cartridge (①). Remove the protection bar from the drum unit (②).
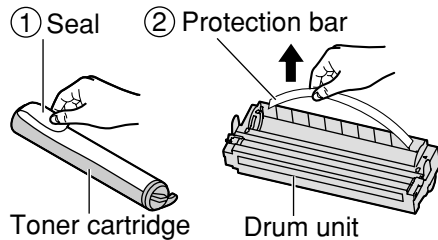
2 With Panasonic face up on the toner cartridge, match the red arrows on the cartridge and the drum unit.
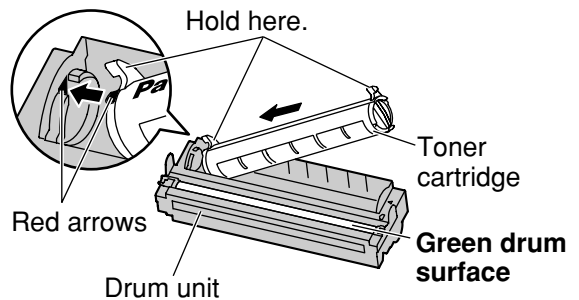
3 Slide the tab of the toner cartridge into the slot of the drum unit.
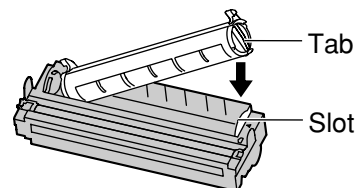
4a Hold right side of the toner cartridge under the lip on the drum unit and...
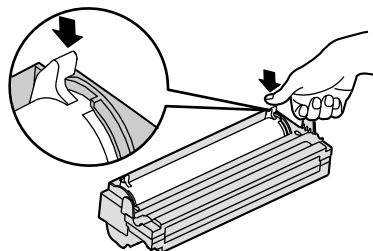
4b turn the two levers on the toner cartridge with firm pressure.
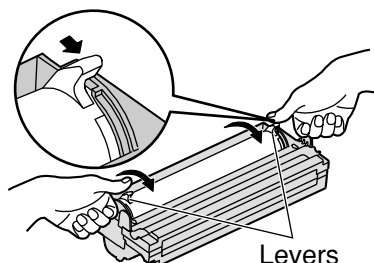
5 The toner cartridge is installed when the triangles match.
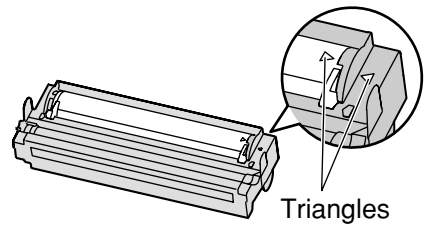
Triangles

6 Tap on the toner cartridge several times to allow the toner to fall into the drum unit. Grab the tabs, and shake the drum and toner unit horizontally several times.

Toner cartridge

Tabs

7 Push the front cover open button then open the front cover.

Front cover
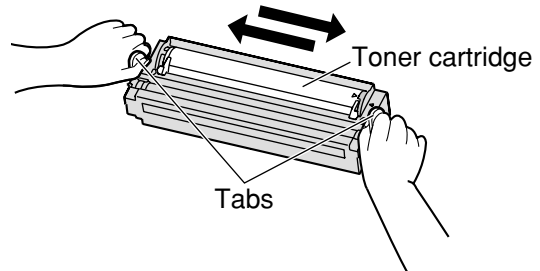
Front cover open button

8 Install the drum and toner unit by holding the tabs.
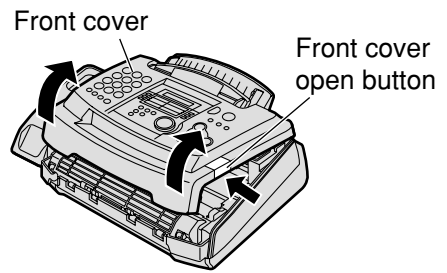
● If the lower glass is dirty, clean it with a soft, dry cloth.

Lower glass

Drum and toner unit
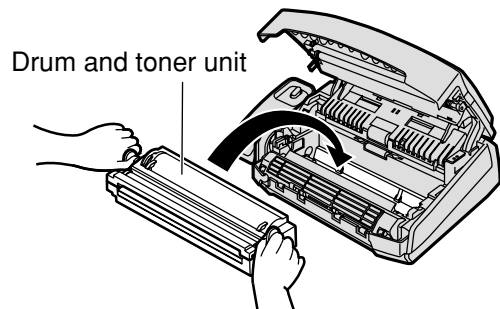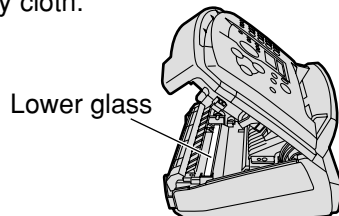
9 Close the front cover, until locked, by pushing down on both sides.

Front cover
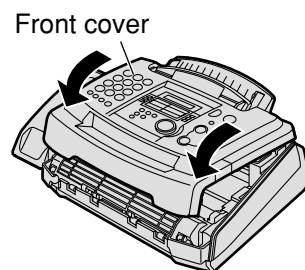
Toner save feature

● If you want to save on toner consumption, set the toner save setting to on (feature #79 on page 59). The toner cartridge will last approx. 40% longer. This feature may reduce print quality.

Setup

Paper tray, document stacker and paper stacker

Paper tray

Insert the paper tray into the two slots on the back of the unit (①).

Let it lean back until it clicks into place (②).

Paper tray
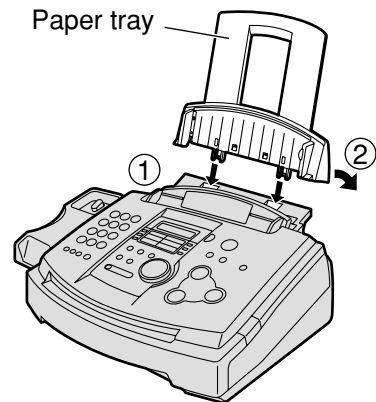
Document stacker

Align with the ribs on the document exit (①).

Pull the document stacker forward gently until it clicks into place (②).

Document exit

Document stacker

Ribs
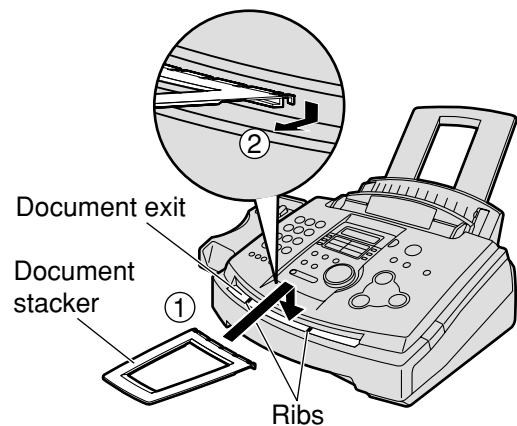
Paper stacker

Line up the slots in the paper stacker with the pegs on the bottom of the unit, then slide until locked.

Open the paper stacker extender when you use legal size paper.

● The paper stacker can hold approx. 100 sheets of printed paper. Remove the printed paper before the paper stacker becomes full.

Pegs

Paper stacker

Slots

Paper stacker extender
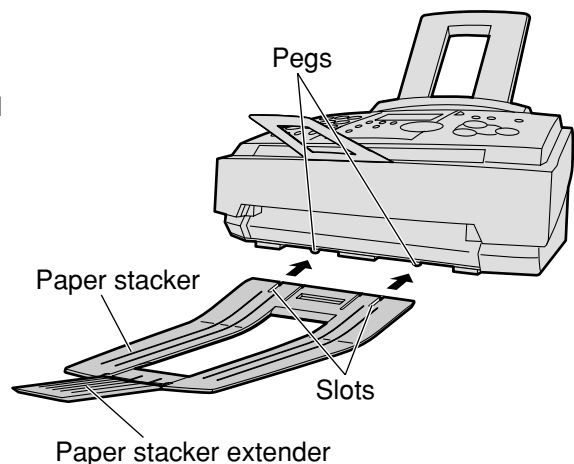
Note for installation:
● Do not place the unit in an area where the paper tray may be obstructed by a wall, etc.
● Document and recording paper will be ejected from the front of the unit. Do not place anything in front of the unit.

Recording paper

Letter or legal size recording paper can be loaded. The unit can hold up to 150 sheets of 60 g/m^2 to 75 g/m^2 (16 lb. to 20 lb.) paper or 120 sheets of 90 g/m^2 (24 lb.) paper.

●The unit is set for letter size paper by default. If you want to use legal size paper, change the setting (feature #16 on page 54).

1 Fan the stack of paper to prevent a paper jam.

2 Insert the paper into the recording paper entrance.

●The paper should not be over the tab.
●If the paper is not inserted correctly, readjust the paper, or the paper may jam.

Correct   Incorrect

Stack of paper

Side to be printed face down.

Recording paper entrance

Tab
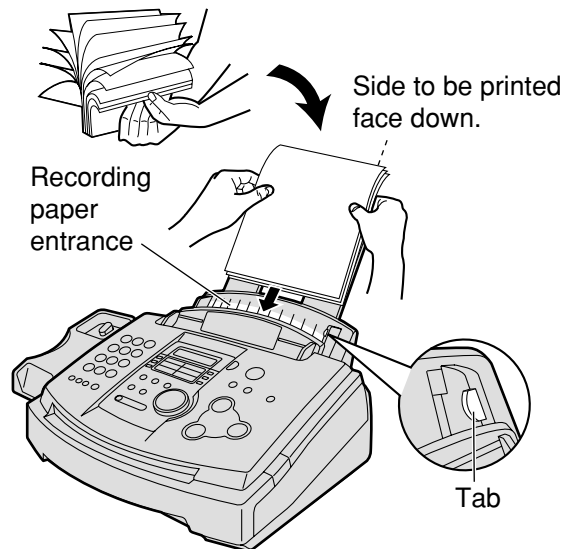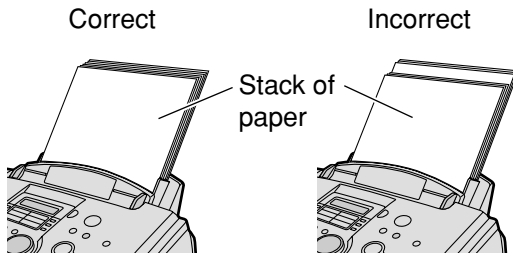
Note for recording paper:
●**Avoid using paper with a cotton and/or fiber content that is over 20%, such as letterhead paper or paper used for resumes.**
●**Do not use different types or thicknesses of paper at the same time. This may cause a paper jam.**
●**Avoid extremely smooth or shiny paper that is highly textured.**
●**Avoid paper that is coated, damaged or wrinkled.**

Note:
●Avoid double-sided printing.
●Do not use paper printed from this unit for double-sided printing with other copiers or printers, or the paper may jam.
●Some paper only accepts print on one side. Try using the other side of paper if you are not happy with the print quality.

Adding paper

1. Remove all of the installed paper.

2. Add paper to the removed paper and straighten.

3. Fan the stack of paper.

4. Insert the paper into the recording paper entrance.
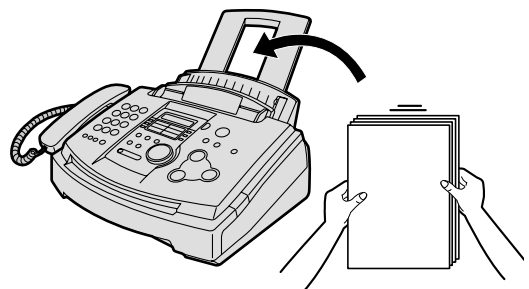
Setup

Connections

1 Connect the handset cord.

2 Connect the telephone line cord.

3 Connect the power cord.
● When the power is turned on for the first time, the unit will print some basic information.

Power cord

To the power outlet (120 V, 60 Hz) ← (Power surge protector)

Connect to "LINE".

To the single telephone line (CA11A) ← (Line surge protector) ← Telephone line cord

Handset cord
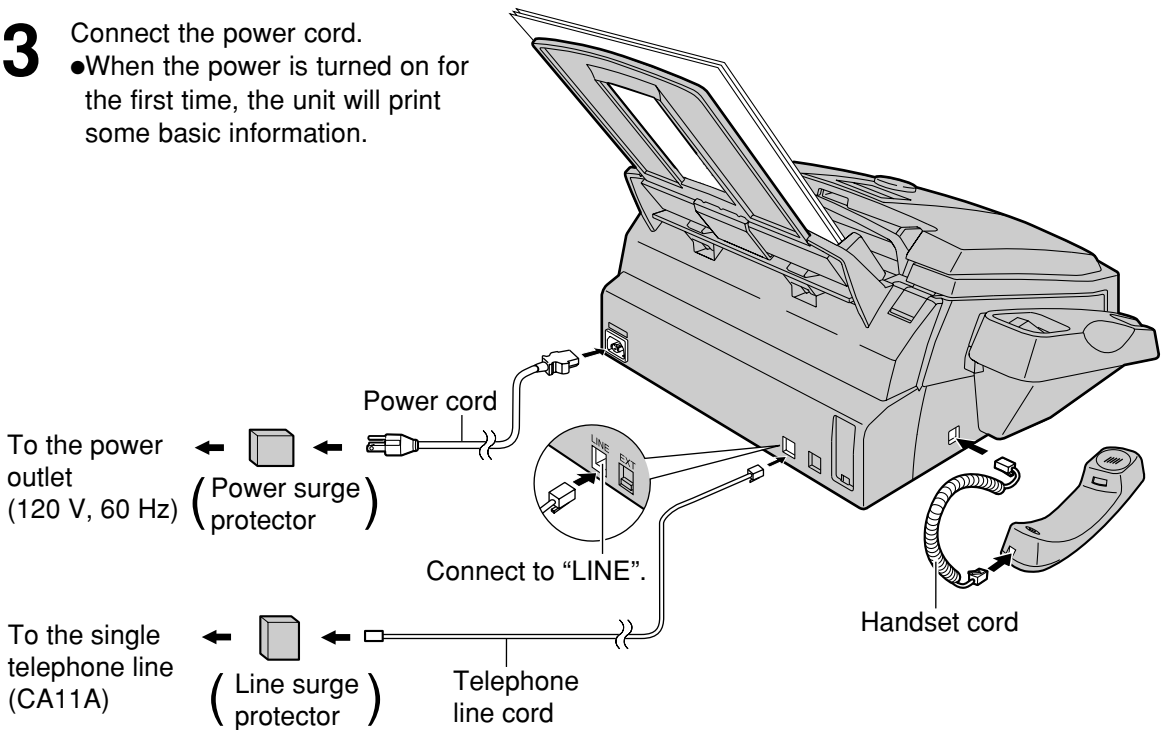
Caution:
● **When you operate this product, the power outlet should be near the product and easily accessible.**

Note:
● The warranty does not cover damage due to power line surges or lightning. For additional equipment protection, we recommend the use of a surge protector. For further details, contact our service personnel.
● If you want to connect an answering machine to the unit, see page 44.

Date and time, your logo and facsimile telephone number

You should program the date and time, your logo and facsimile telephone number. This information will be printed on each page transmitted from your unit.

Your logo   Your facsimile telephone number   Date and time

Example:

```
FROM : Panasonic Fax          FAX NO. : 1234567        Jan. 26 2001 09:02AM  P1

                        Fax Correspondence
```
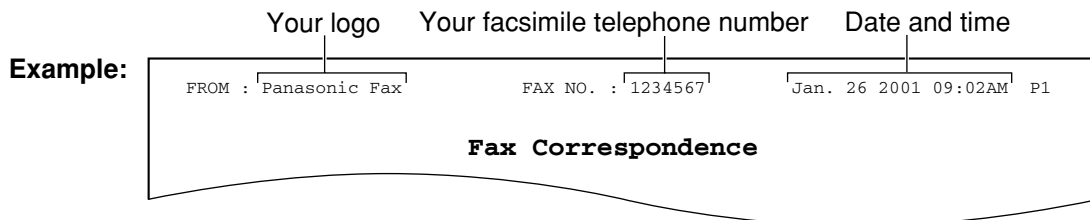
Setting the date and time

1 Press **MENU**.

Display: | SYSTEM SET UP |

2 Press **#**, then **0 1**.

| SET DATE & TIME |

3 Press **SET**.

Example: | M:01/D:01/Y:01 |
└— Cursor

4 Enter the correct month/day/year by selecting 2 digits for each, using the dial keypad.
Example: Aug. 10, 2001

Press **0 8 1 0 0 1**.

| M:08/D:10/Y:01 |

5 Press **SET**.

Example: | TIME: 12:00AM |

6 Enter the correct hour/minute by selecting 2 digits for each, using the dial keypad.
Press **✳** to select "AM" or "PM".
Example: 3:15PM

1. Press **0 3 1 5**.

| TIME: 03:15AM |

2. Press **✳** until "PM" is displayed.

| TIME: 03:15PM |

7 Press **SET**.

| SETUP ITEM [   ] |

8 Press **MENU**.

Display   **MENU**   **▶**/**◀**

SPEED DIRECTOR   **SET**

STOP
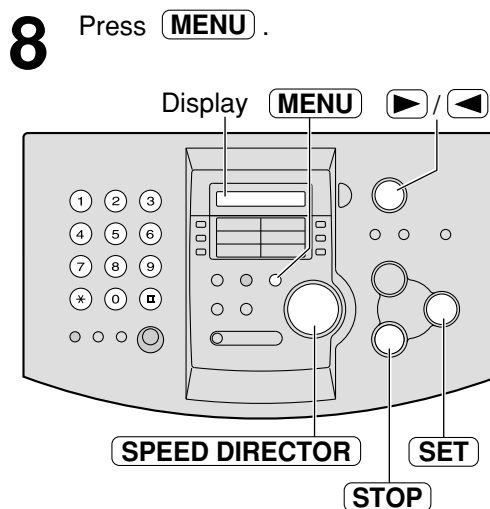
Note:
● You can enter the number by rotating **SPEED DIRECTOR** in steps 4 and 6. In this case, press **▶** to move the cursor.
● If you select "FRENCH" for the language (feature #48 on page 57), the time is set using a 24 hour clock (military time).
Example: 15:15
Press **1 5 1 5**.
● The accuracy of the clock is approximately ±60 seconds a month.

To correct a mistake

● Press **▶** or **◀** to move the cursor to the incorrect number, and make the correction.
● If you press **STOP** while programming, the display will return to the previous one.

Setup

Setting your logo

The logo can be your company, division or name.

1 Press **MENU**.

Display: | SYSTEM SET UP |

2 Press **#**, then **0** **2**.

| YOUR LOGO |

3 Press **SET**.

| LOGO= |

Display **MENU** ▶/◀

FLASH
(Hyphen)

STOP **SET**
(Delete)

HANDSET MUTE
(Insert)

SPEED DIRECTOR

4 Enter your logo, up to 30 characters, using the dial keypad. See the next page for details.
Example: "Bill"

1. Press **2** twice.

| LOGO=B |
└─ Cursor

2. Press **4** six times.

| LOGO=Bi |

3. Press **5** six times.

| LOGO=Bil |

4. Press ▶ to move the cursor to the next space and press **5** six times.

| LOGO=Bill |

5 Press **SET**.

| SETUP ITEM [   ] |

6 Press **MENU**.

Note:
● You can enter your logo by rotating **SPEED DIRECTOR** (see the next page).
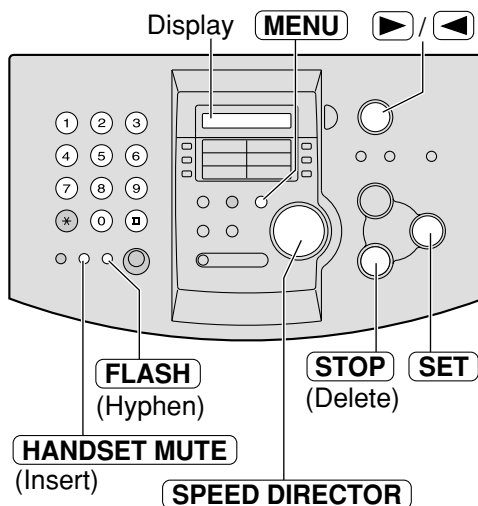
To change capital or lower case letters

Pressing the **#** key will change to capital or lower case alternatively.

1. Press **2** twice.

Display: | LOGO=B |

2. Press **4** three times.

| LOGO=BI |

3. Press **#**.

| LOGO=Bi |

4. Press **5** three times.

| LOGO=Bil |

To correct a mistake

● Press ▶ or ◀ to move the cursor to the incorrect character, and make the correction.

To delete a character

● Move the cursor to the character you want to delete and press **STOP**.

To insert a character

1. Press ▶ or ◀ to move the cursor to the position to the right of where you want to insert the character.
2. Press **HANDSET MUTE** (Insert) to insert a space and enter the character.

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To select characters with the dial keypad

Pressing the dial keys will select a character as shown below.

Keys	Characters
①	1 [ ] { } + − / = , . _ ` : ; ? |
②	A B C a b c 2
③	D E F d e f 3
④	G H I g h i 4
⑤	J K L j k l 5
⑥	M N O m n o 6
⑦	P Q R S p q r s 7
⑧	T U V t u v 8
⑨	W X Y Z w x y z 9
⓪	0 ( ) ⟨ ⟩ ! " # $ % & ¥ ∗ @ ^ ' →
(♯)	To change capital or lower case letter.
(FLASH)	**Hyphen** button (To insert a hyphen.)
HANDSET MUTE	**Insert** button (To insert one character or one space.)
(STOP)	**Delete** button (To delete a character.)
➕	▶ key (To move the cursor to the right.) To enter another character using the same number key, move the cursor to the next space.
➖	◀ key (To move the cursor to the left.)

To select characters using SPEED DIRECTOR

Instead of pressing the dial keys, you can select characters using SPEED DIRECTOR.

1. Rotate (**SPEED DIRECTOR**) until the desired character is displayed.

2. Press ▶ to move the cursor to the next space.
● The character displayed in step 1 is inserted.

3. Return to step 1 to enter the next character.
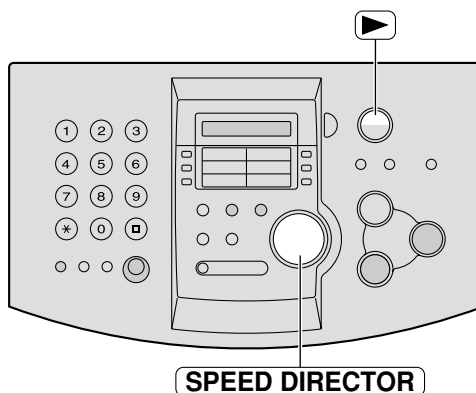
Display order of characters

Capital alphabet → Number
Lower case alphabet
Symbol

→ : Rotating to the right
- - -▶ : Rotating to the left

(SPEED DIRECTOR)
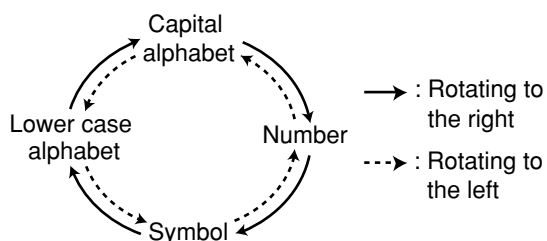
Setup

Setting your facsimile telephone number

1 Press (MENU).

Display: | SYSTEM SET UP |

2 Press (♯), then (0)(3).

| YOUR FAX NO. |

3 Press (SET).

| NO.= |

4 Enter your facsimile telephone number, up to 20 digits, using the dial keypad.

Example: | NO.=1234567 |

5 Press (SET).

| SETUP ITEM [   ] |

6 Press (MENU).

Display (MENU) (▶)/(◀)

(FLASH)
(Hyphen)

(STOP) (SET)
(Delete)
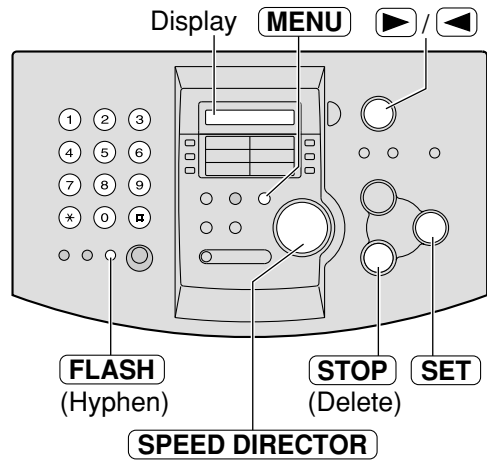
(SPEED DIRECTOR)

Note:
- You can enter your facsimile telephone number by rotating (SPEED DIRECTOR). If you use (SPEED DIRECTOR), press (▶) to move the cursor.
- The (✳) button replaces the digit with a "+" and the (♯) button replaces it with a space.
  Example (using the dial keypad): +234 5678
  Press (✳)(2)(3)(4)(♯)(5)(6)(7)(8).
- To enter a hyphen in a telephone number, press (FLASH) (Hyphen).

To correct a mistake

- Press (▶) or (◀) to move the cursor to the incorrect number, and make the correction.

To delete a number

- Move the cursor to the number you want to delete and press (STOP).

Adjusting volumes

Ringer volume

4 levels (high/middle/low/off) are available.
While the unit is idle, press ⊕ or ⊖ .

● If any documents are in the document entrance, you cannot adjust the ringer volume. Confirm that there are no documents in the entrance.

■ To turn the ringer off:

1. Press ⊖ repeatedly until the following message is displayed.

Display:

```
RINGER OFF= OK?
```
↕
```
YES:SET/NO:STOP
```

2. Press (SET).

● To turn the ringer back on, press ⊕ .

■ While the ringer volume is set to off:

The display will show the following message.

```
        RINGER OFF
```

When a call is received, the unit will not ring and will display the following.

```
INCOMING CALL
```

Display ⊕ / ⊖
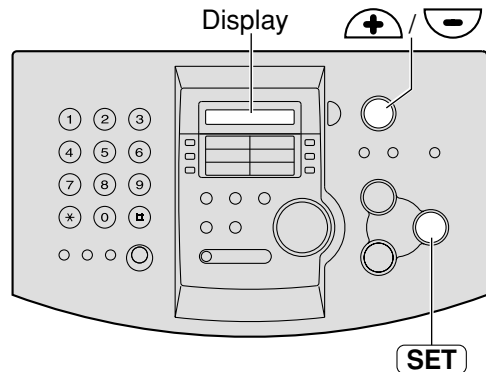
Melody ringer

● You can select one of the four melodies instead of the bell. Change the setting (feature #17 on page 54). The melody you selected will sound when the unit receives a call.

Handset receiver volume

5 levels (high to low) are available.
While using the handset, press ⊕ or ⊖ .

Monitor volume

8 levels (high to low) are available.
While using the monitor, press ⊕ or ⊖ .

Automatic Dialing

Storing names and telephone numbers in ONE-TOUCH DIAL

For rapid access to frequently dialed numbers, the unit provides 10 stations of ONE-TOUCH DIAL keys.
● ONE-TOUCH DIAL 1 to 3 can be alternatively used as broadcast keys (p. 36).

1 Press (DIRECTORY PROGRAM).

Display:
```
PRESS STATION
```
↕
```
OR USE SPD-DIR
```

2 **For ONE-TOUCH DIAL 1–3:**
Press one of the ONE-TOUCH DIAL keys.
```
DIAL MODE      ↻
```
Press (SET) to go to the next prompt.

For ONE-TOUCH DIAL 4–5:
Press one of the ONE-TOUCH DIAL keys.

For ONE-TOUCH DIAL 6–10:
Press (LOWER), then press one of the ONE-TOUCH DIAL keys.

3 Enter the name, up to 10 characters (see page 19 for instructions).

Example:
```
NAME=John
```

4 Press (SET).

Example:
```
<S02>=
```

5 Enter the telephone number, up to 30 digits, using the dial keypad.

Example:
```
<S02>=1114497
```

● If you want to enter a hyphen, press (FLASH).

6 Press (SET).
```
REGISTERED
```
↓
```
PRESS STATION
```
↕
```
OR USE SPD-DIR
```

● To program other stations, repeat steps 2 to 6.

7 Press (STOP) to exit the program.
● If you press (DIRECTORY PROGRAM) instead of (STOP), you can print the one-touch label card (see right).
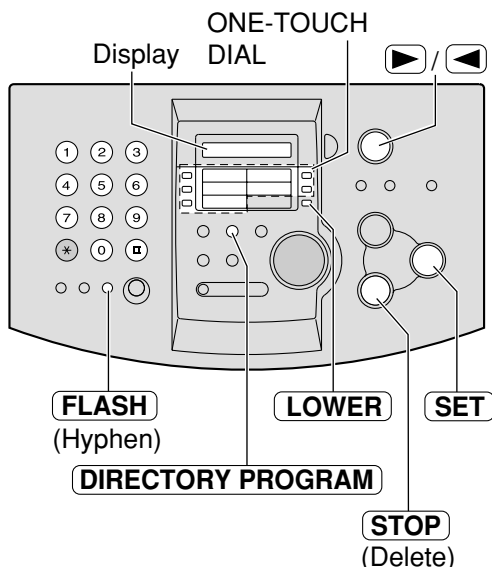
ONE-TOUCH DIAL
Display   ▶/◀

(FLASH)   (LOWER)   (SET)
(Hyphen)
(DIRECTORY PROGRAM)
(STOP)
(Delete)

Helpful hint:
● You can confirm the stored items on the display (p. 26) or on the telephone number list (p. 75).

Note:
● A hyphen or a space entered in a telephone number counts as two digits.

To correct a mistake

● Press ▶ or ◀ to move the cursor to the incorrect character/number, and make the correction.

To delete a character/number

● Move the cursor to the character/number you want to delete, and press (STOP).

To print the one-touch label card with stored names

Press (DIRECTORY PROGRAM) in step 7.

Display:
```
PRINT LABEL OK?
```
↕
```
YES:SET/NO:STOP
```

Press (SET) to start printing.
● Put the card in the ONE-TOUCH DIAL location.

Storing names and telephone numbers in SPEED DIRECTOR

For rapid access to frequently dialed numbers, the unit provides a SPEED DIRECTOR directory (100 stations).

1 Press (**DIRECTORY PROGRAM**).

Display: | PRESS STATION |

| OR USE SPD-DIR |

2 Rotate (**SPEED DIRECTOR**) until the following is displayed.

| NAME= |

3 Enter the name, up to 10 characters (see page 19 for instructions).

Example: | NAME=Alice |

4 Press (**SET**).

| NO.= |

5 Enter the telephone number, up to 30 digits, using the dial keypad.

Example: | NO.=5552233 |

●If you want to enter a hyphen, press (**FLASH**).

6 Press (**SET**).

| REGISTERED |

| NAME= |

●To program other items, repeat steps 3 to 6.

7 Press (**DIRECTORY PROGRAM**) to exit the program.
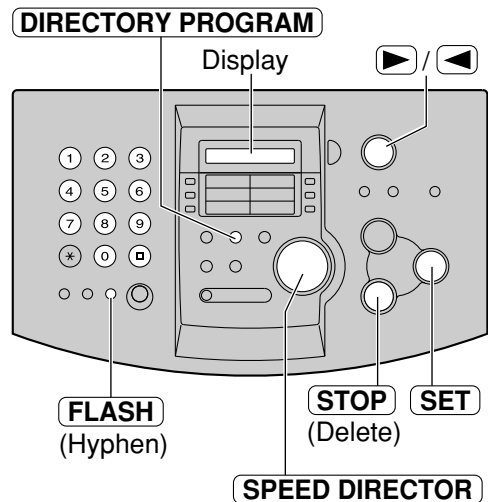
(**DIRECTORY PROGRAM**) Display (▶)/(◀)

(**FLASH**)
(Hyphen)

(**STOP**) (**SET**)
(Delete)

(**SPEED DIRECTOR**)

Helpful hint:
●You can confirm the stored items on the display (p. 26) or on the telephone number list (p. 75).

Note:
●When the following message is displayed in step 6, you can store only 5 more items.

Display: | SPACE= 5 DIRS. |

●If there is no space to store new stations, the following message is displayed in step 1.

| SPD-DIR FULL |

Erase unnecessary stations (p. 25).

●A hyphen or a space entered in a telephone number counts as two digits.

To correct a mistake

●Press (▶) or (◀) to move the cursor to the incorrect character/number, and make the correction.

To delete a character/number

●Move the cursor to the character/number you want to delete, and press (**STOP**).

23

Automatic Dialing

Editing and erasing a stored name and number ═══

Editing a stored name and number

You can edit a name or number stored in ONE-TOUCH DIAL and SPEED DIRECTOR.

Display

1 Rotate (**SPEED DIRECTOR**) until the desired name is displayed.

Example:

| Mary   <S01> |

means the station number for ONE-TOUCH DIAL

2 Press (**DIRECTORY PROGRAM**).

| EDIT=✳ DELETE=# |

3 Press ✳ to select "EDIT".

| NAME=Mary |

●If you do not need to edit the name, skip to step 5.

4 Edit the name (see page 19 for instructions).

5 Press (**SET**).

Example:

| <S01>=0123456 |

●If you do not need to edit the telephone number, skip to step 7.

6 Edit the telephone number. For further details, see page 23.

7 Press (**SET**).

| REGISTERED |

(**DIRECTORY PROGRAM**)   (**SET**)
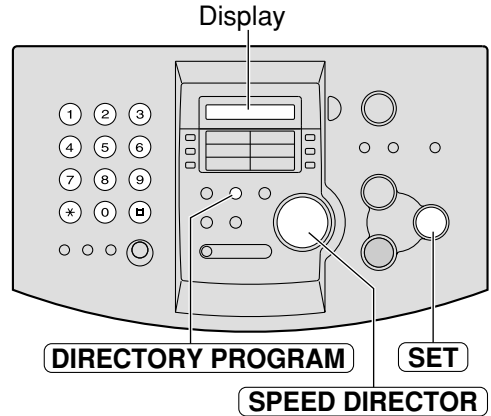
(**SPEED DIRECTOR**)

Erasing a stored station and item

You can erase ONE-TOUCH DIAL station and SPEED DIRECTOR item.

1 Rotate **SPEED DIRECTOR** until the desired name is displayed.

Example:
```
Mary        <S01>
```

2 Press **DIRECTORY PROGRAM** .
```
EDIT=* DELETE=#
```

3 Press [#] to select "DELETE".
```
DELETE OK?
```
↕
```
YES:SET/NO:STOP
```

●To cancel erasing, press **STOP** .

4 Press **SET** .
```
       DELETED
```

●The stored name and number are deleted.

DIRECTORY PROGRAM

Display

SPEED DIRECTOR   **SET**

STOP
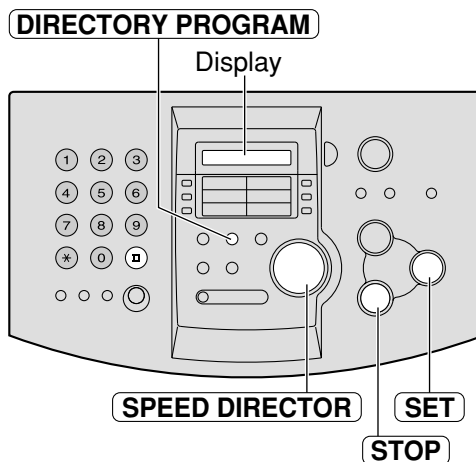
Automatic Dialing

Making a voice call using ONE-TOUCH DIAL and SPEED DIRECTOR

Before using this feature, program the desired names and telephone numbers into ONE-TOUCH DIAL and SPEED DIRECTOR (p. 22, 23).

Using ONE-TOUCH DIAL

1 Press (MONITOR) or lift the handset.

Display: | TEL= |

● Confirm that there are no documents in the document entrance.

2 **For ONE-TOUCH DIAL 1–5:**
Press the desired ONE-TOUCH DIAL key.

For ONE-TOUCH DIAL 6–10:
Press (LOWER), then press the desired ONE-TOUCH DIAL key.

Example: | TEL=<John> |
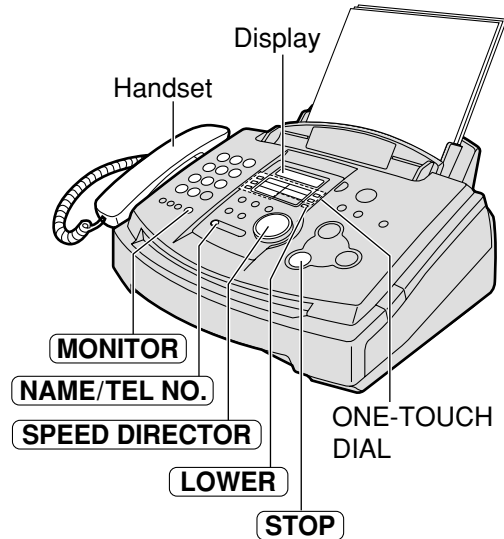
● The unit will start dialing automatically.

Using SPEED DIRECTOR

1 Rotate (SPEED DIRECTOR) until the desired name is displayed.

Example: | Lisa |

● If the desired name has not been stored, press (STOP) and dial the number manually.

2 Press (MONITOR) or lift the handset.
● The unit will start dialing automatically.

To confirm the stored telephone number on the display

1. Rotate (SPEED DIRECTOR) until the desired name is displayed.

Example: | John   <S06> |

means the station number for ONE-TOUCH DIAL

2. Press (NAME/TEL NO.).

| 1114497   <S06> |

● To stop the confirmation, press (STOP).
● To make a call, press (MONITOR) or lift the handset.

To search for a name by initial

Example: "Lisa"

1. Rotate (SPEED DIRECTOR) until any name is displayed.

Example: | Alan |

2. Press (5) repeatedly until any name with the initial "L" is displayed (see the character table on page 19).

| Larry |

3. Rotate (SPEED DIRECTOR) to the right until "Lisa" is displayed.

| Lisa |

● To stop the search, press (STOP).
● To make a call, press (MONITOR) or lift the handset.

Note:

● When you want to search for symbols (not letters or numbers), press (✳) in step 2.

Display
Handset
(MONITOR)
(NAME/TEL NO.)
(SPEED DIRECTOR)
ONE-TOUCH DIAL
(LOWER)
(STOP)

Call Display service from your phone company ══

This unit is compatible with the Call Display service offered by your local telephone company. To use this feature, you must subscribe to the Call Display service.

Set the following ring count settings to 2 or more rings beforehand.
—FAX ring count (feature #06 on page 53)
—TEL/FAX ring count (feature #78 on page 59)

How Caller information is displayed

The calling party's name or telephone number will be displayed after the first ring.
You then have the option of whether or not to answer the call depending on the caller.

Display

Example: | Chris Horner |

The unit will automatically store the caller information (name, telephone number and the time of the call). You can view the caller information (see the next page) and print the Caller's list (p. 29).
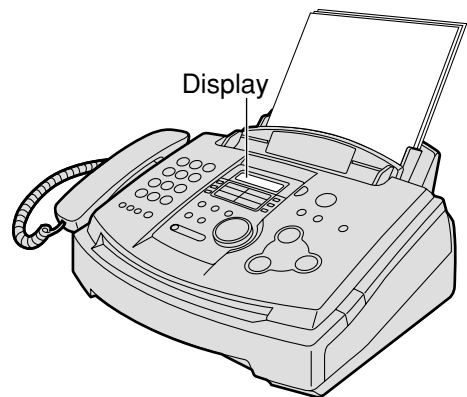
Note:

●If the unit is connected to a PBX (Private Branch Exchange) system, you may not receive the caller information. Consult your PBX supplier.

●If the unit cannot receive caller information, the unit will show the following.

| UNAVAIL NAME & NO | The caller dialed from an area which does not provide Call Display service.

| PRIVATE CALLER | The caller requested not to send caller information.

| LONG DISTANCE | The caller made a long distance call.

Call Display

Viewing and calling back using caller information

You can easily view caller information and call back.

Important:

- Calling back will not be available in the following cases.
  - —The telephone number includes data other than numbers (i.e. ✳ or #).
  - —The caller information does not include a telephone number.

1 Press **CALL DISPLAY SEARCH** .
Example (2 new calls are received):

Example:

2 NEW CALLS

↕

Display:

USE SPD-DIR
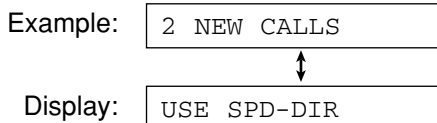
2 Rotate **SPEED DIRECTOR** to the right (clockwise).
- The display will show the most recent caller's name.
- If you rotate to the left, the display will show the reviewed calls.
- To stop viewing, press **STOP** .

3 Press **MONITOR** or lift the handset to make a call.
- The unit will start dialing automatically.
- To send a fax – insert the document FACE DOWN and press **FAX START** .

Handset — Display

✳

MONITOR
NAME/TEL NO.
STOP   **FAX START**
CALL DISPLAY SEARCH
SPEED DIRECTOR
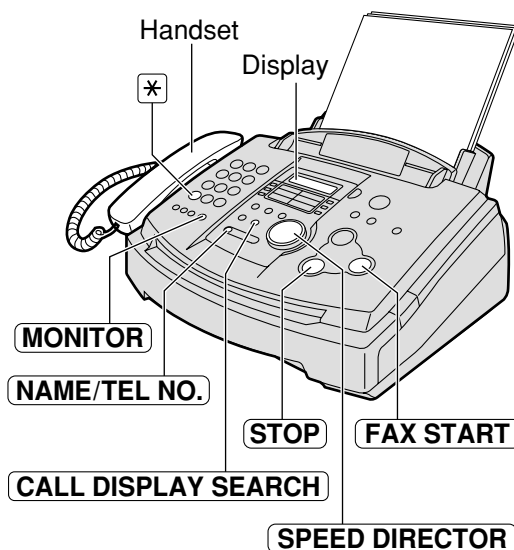
To display the caller's telephone number and the date/time of the call
Press **NAME/TEL NO.** repeatedly in step 2.

Example:

WENDY ROBERTS	→	1-345-678-9012	→	Mar. 14 10:30AM
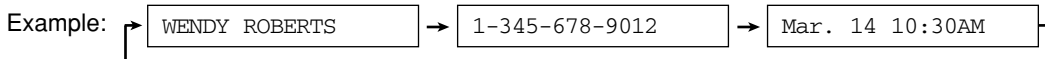
To edit the telephone number for calling back
Press ✳ repeatedly in step 2.
Each time you press ✳ , the telephone number will be changed as follows.

1. 1 – Area code – Local telephone number ("1" added)
2. Local telephone number (area code omitted)
3. Area code – Local telephone number
4. 1 – Local telephone number ("1" added and area code omitted)

- You can change the area code if it is wrong by pressing the correct number using the dial keypad.

Display while viewing

NO NAME RCVD
When the unit could not receive a name.

END OF NEW CALL
After the last new call has been displayed.

END
After all calls have been displayed.

NO CALLER DATA
When no calls have been received.

Confirming caller information using the Caller's list

The unit will store information for the most recent 30 callers.
—To print manually, see below.
—To print automatically after every 30 new calls, activate feature #26 (p. 56).

Sample of a Caller's list

```
   CALLER'S LIST / LISTE DES DEMANDEURS            Mar. 20 2001 09:19AM

                   YOUR LOGO / VOTRE LOGOTYPE        :
                   YOUR FAX NO. / VOTRE NUMÉRO DE FAX :
   NO. NAME             TELEPHONE NUMBER    TIME OF CALL        ANSWER      STATUS
   NO  NOM              NUMÉRO TÉLÉPHONE    HEURE DES APPELS    PRISE       ÉTAT
   01  WENDY ROBERTS    1-345-678-9012      Mar. 14 10:30AM     FAX            !
   02  ALLAN STONE      1-456-789-0123      Mar. 13 08:35AM     FAX            *
   03  MIKE TIMAR       1-987-654-3210      Mar. 11 09:35AM     TEL
```

● If you select "FRENCH" for the language (feature #48 on page 57), the time is shown using a 24 hour clock (military time).

Printing and erasing the Caller's list

1 Press (**CALL DISPLAY PRINT**) to start printing.

Display: | PRINTING |

●The display will show the following after printing.

| ALL ERASE OK? |
↕
| YES:SET/NO:STOP |

Display (**MENU**)

(**CALL DISPLAY PRINT**) (**STOP**) (**SET**)

2 Press (**STOP**) to exit the program, or press (**SET**) to erase all of the stored caller information.
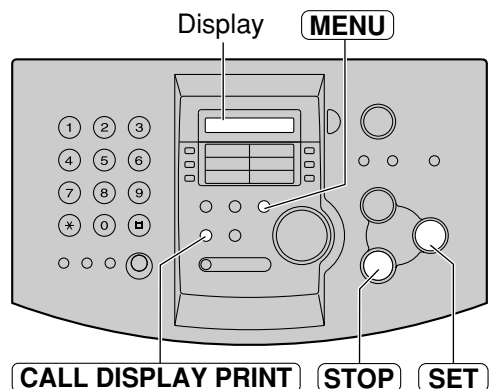
To erase caller information without printing

1. Press (**MENU**) three times.

Display: | CALLER SET UP |

2. Press (**SET**).

| CALL LIST ERASE |

3. Press (**SET**).

| ALL ERASE OK? |

●To cancel erasing, press (**STOP**), then (**MENU**).

4. Press (**SET**).

| ERASE COMPLETED |

5. Press (**STOP**) to exit the program.

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Call Display

Storing caller information in ONE-TOUCH DIAL and SPEED DIRECTOR

Important:

●This feature is not available in the following cases.
  —The telephone number includes data other than numbers (i.e. ✳ or #).
  —The caller information does not include a telephone number.

**1** Press (CALL DISPLAY SEARCH).

Example:
> 2 NEW CALLS

↕

Display:
> USE SPD-DIR

2 Rotate (SPEED DIRECTOR) until the name you want to store is displayed.

Example:
> WENDY ROBERTS

3 Press (DIRECTORY PROGRAM).

> PRESS STATION

↕

> OR USE SPD-DIR

4 **For ONE-TOUCH DIAL 1–3:**
Press the desired ONE-TOUCH DIAL key.

> DIAL MODE   ↻

Press (SET).

Example:
> NAME=WENDY ROBE

Press (SET).

Example:
> <S02>=1345678901

For ONE-TOUCH DIAL 4–5:
Press the desired ONE-TOUCH DIAL key.

> NAME=WENDY ROBE

Press (SET).

> <S04>=1345678901

For ONE-TOUCH DIAL 6–10:
Press (LOWER), then press the desired ONE-TOUCH DIAL key.

> NAME=WENDY ROBE

Press (SET).

> <S06>=1345678901

For SPEED DIRECTOR:
Rotate (SPEED DIRECTOR).

> NAME=WENDY ROBE

Press (SET).

> NO.=1345678901

5 Press (SET).

> REGISTERED

(DIRECTORY PROGRAM) Display ONE-TOUCH DIAL

(SPEED DIRECTOR)   (SET)
(CALL DISPLAY SEARCH) (LOWER)
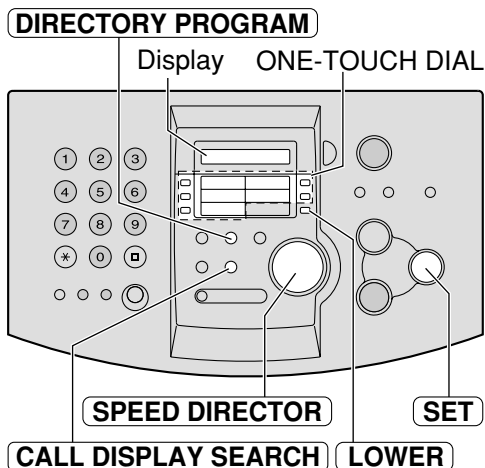
Note:
●You can confirm the stored items on the display (p. 26) or on the telephone number list (p. 75).
●You can only store a name of up to 10 characters long.
●To edit a name and number, see page 24.
●If you enter a new item into ONE-TOUCH DIAL, the previous entry will be overwritten.
●If you use ONE-TOUCH DIAL 1–3 as a broadcast station, you cannot store caller information.
●If the SPEED DIRECTOR directory is full, you cannot store caller information.

Talking to the other party after fax transmission or reception

You can talk to the other party after a fax message is completed. This will save the added expense and time of making another call.
This feature only works when the other party's fax machine is equipped with a voice contact feature.

Initiating voice contact

1 Press (**MONITOR**) while transmitting or receiving documents.

Display: | VOICE STANDBY |

- ●Your unit will call the other party with a distinctive ring.
- ●When the other party answers, your unit will emit a distinctive ring.

2 Lift the handset to start talking.

Display

Handset

FACE DOWN

(MONITOR)

Note:
- ●If you initiate voice contact during transmission, the unit will call you with a distinctive ring after all of the documents have been transmitted.
- ●If you initiate voice contact during reception, the unit will call you with a distinctive ring after the current page of the document has been received.
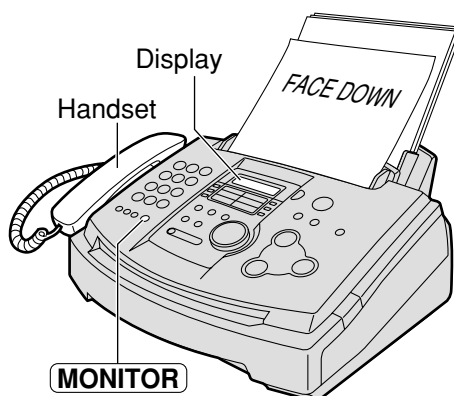
Receiving a request for voice contact

1 If the other party initiates voice contact, your unit will sound a distinctive ring and the following will be displayed.

| PLEASE PICK UP |

2 Lift the handset within 10 seconds of the distinctive ring to start talking.

Note:
- ●If you do not answer within 10 seconds of the distinctive ring, the line will be disconnected.

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Sending Faxes

Sending a fax manually

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

Display: | STANDARD |

3 If necessary, press (**RESOLUTION**) repeatedly to select the desired setting (see below).

4 Press (**MONITOR**) or lift the handset.

| TEL= |

5 Dial the fax number.

Example: | TEL=5678901 |

6 **When the fax tone is heard:**
Press (**FAX START**), and replace the handset if you are using it.
OR
When the other party answers your call:
Using the handset, ask them to press their start button. When the fax tone is heard, press (**FAX START**) and replace the handset.

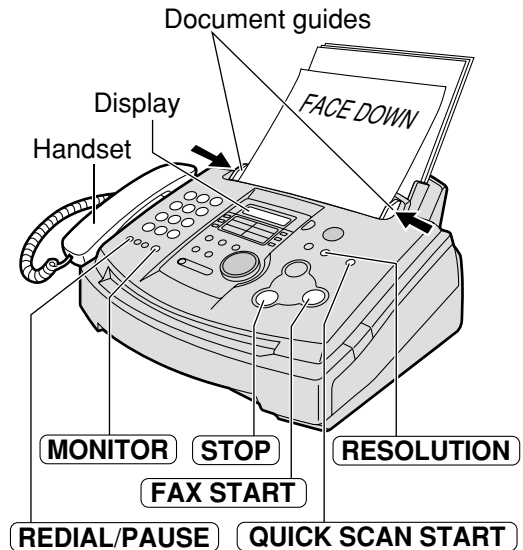| CONNECTING..... |

Document guides

Display

Handset

FACE DOWN

(**MONITOR**) (**STOP**) (**RESOLUTION**)
(**FAX START**)
(**REDIAL/PAUSE**) (**QUICK SCAN START**)

To stop transmission
Press (**STOP**).

To redial the last number
Press (**REDIAL/PAUSE**).
● If the line is busy, the unit will automatically redial the number up to 2 times.
● During redial, the following will be displayed.

Display: | WAITING REDIAL |

● To cancel redialing, press (**STOP**).

Convenient way to send a fax
You can dial the fax number first before inserting the document. This is convenient if the other party's number is indicated on the document.
1. Enter the fax number.
● The handset must be on the cradle.
2. Insert the document.
3. Press (**FAX START**).

To select the resolution
Select the desired resolution according to the type of document.

STANDARD: For printed or typewritten originals with normal-sized characters.

FINE: For originals with small printing.

SUPER FINE: For originals with minute printing.

PHOTO: For originals containing photograph.

PHOTO WITH TEXT: For originals containing photograph and text.

● Using the "FINE", "SUPER FINE", "PHOTO" or "PHOTO WITH TEXT" setting will increase transmission time.
● If the resolution setting is changed during feeding, it will be effective from the next sheet.
● The "SUPER FINE" resolution only works with other compatible fax machines.

Sending from memory
You can press (**QUICK SCAN START**) instead of (**FAX START**) to scan the document into memory before sending. After storing, the unit will transmit the document.
● If the document exceeds the memory capacity (p. 78), sending will be cancelled.

# Sending a fax using ONE-TOUCH DIAL and SPEED DIRECTOR

Before using this feature, program the desired names and telephone numbers into ONE-TOUCH DIAL and SPEED DIRECTOR (p. 22, 23).

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

Display: | STANDARD |

3 If necessary, press **(RESOLUTION)** repeatedly to select the desired setting (p. 32).

4 Enter the fax number.
Using ONE-TOUCH DIAL 1–5:
Press the desired ONE-TOUCH DIAL key.

Using ONE-TOUCH DIAL 6–10:
Press **(LOWER)**, then press the desired ONE-TOUCH DIAL key.

Using (SPEED DIRECTOR):
Display the desired name and press **(FAX START)**.

Document guides

Display

FACE DOWN

(LOWER)
(STOP)   **(RESOLUTION)**
(FAX START)
(SPEED DIRECTOR)   ONE-TOUCH DIAL
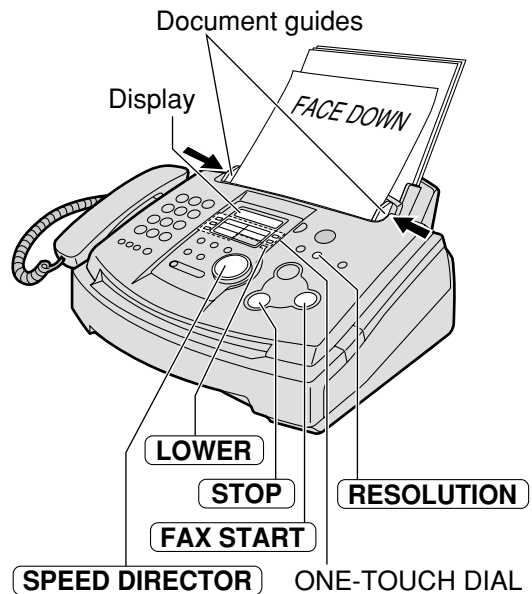
Fax auto redial

If the line is busy or if there is no answer, the unit will automatically redial the number up to 2 times.
● This feature is also available for delayed transmission (feature #25 on page 55).
● During redial, the following will be displayed.
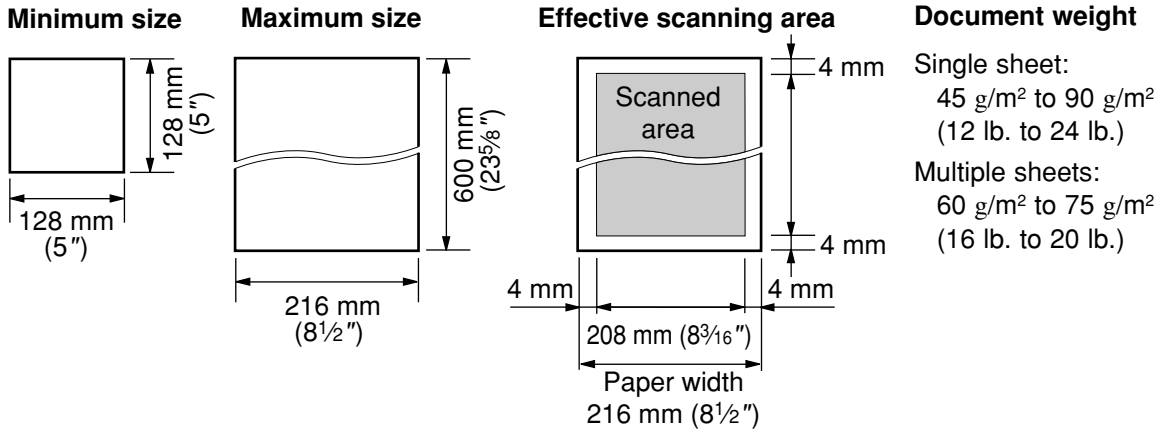
Display: | WAITING REDIAL |

● To cancel redialing, press **(STOP)**.

If your unit does not send a fax

● Confirm the stored telephone number on the display and check that the number dialed is answered by the other party's machine (p. 26).
● The connecting tone will be heard during dialing to tell you the status of the other party's machine (feature #76 on page 58).

Sending Faxes

Documents you can send

Minimum size

128 mm (5")
128 mm (5")

Maximum size

600 mm (23⅝")
216 mm (8½")

Effective scanning area

4 mm

Scanned area

4 mm

4 mm | 208 mm (8³⁄₁₆") | 4 mm

Paper width
216 mm (8½")

Document weight

Single sheet:
   45 g/m² to 90 g/m²
   (12 lb. to 24 lb.)

Multiple sheets:
   60 g/m² to 75 g/m²
   (16 lb. to 20 lb.)

Note:
- Remove clips, staples or other similar fasteners.
- Check that ink, paste or correction fluid has dried.
- Do not send the following types of documents. Use copies for fax transmission.
  - —Chemically treated paper such as carbon or carbonless duplicating paper
  - —Electrostatically charged paper
  - —Heavily curled, creased or torn paper
  - —Paper with a coated surface
  - —Paper with a faint image
  - —Paper with printing on the opposite side that can be seen through the front (e.g. newspaper)

To transmit more than 15 pages at a time
- Insert the first 15 pages of the document. Add the extra pages (up to 15) before the last page is fed into the unit.

Reports for confirmation

To confirm the communication results, the following reports are available.

Sending report

This report will provide you with a printed record of transmission results. To use this feature, activate feature #04 (p. 53).

Sample of a sending report

```
  SENDING REPORT / RELEVÉ D'ENVOI                  Mar. 20 2001 09:19AM

                    YOUR LOGO / VOTRE LOGOTYPE      :
                    YOUR FAX NO. / VOTRE NUMÉRO DE FAX :
  NO. OTHER FACSIMILE    START TIME    USAGE TIME MODE    PAGES  RESULT
  NO  CORRESPONDANT      HEURE DÉBUT   DURÉE      MODE    PAGES  RÉSULTAT        *CODE
  01  2345678            Mar.20 09:18AM 00'51      SND     00     COMMUNICATION ERROR 43
```

Communication message (p. 60)   Error code

Note:
● If you select "FRENCH" for the language (feature #48 on page 57), the time is shown using a 24 hour clock (military time).

Journal report

The unit stores the 30 most recent fax communication results. When a new communication occurs, the oldest communication result will be erased.
—To print manually, see page 75.
—To print automatically after every 30 new fax communications, activate feature #22 (p. 55).

Sample of a journal report

```
  JOURNAL / REGISTRE DES COMMUNICATIONS            Mar. 25 2001 11:22AM

                    YOUR LOGO / VOTRE LOGOTYPE      :
                    YOUR FAX NO. / VOTRE NUMÉRO DE FAX :
  NO. OTHER FACSIMILE    START TIME    USAGE TIME MODE    PAGES  RESULT
  NO  CORRESPONDANT      HEURE DÉBUT   DURÉE      MODE    PAGES  RÉSULTAT        *CODE
  01  3332222            Mar.21 07:14AM 00'45      SND     01     OK
  02  9998765            Mar.21 08:17AM 00'58      RCV     02     OK
  03  John               Mar.21 09:18AM 00'48      RCV     01     OK
  04  555556677          Mar.22 10:35AM 02'45      SND     03     COMMUNICATION ERROR 43
  05                                   03'50       SND     05     OK
                                                   RCV     03     OK
```

Communication message (p. 60)   Error code

Note:
● If you select "FRENCH" for the language (feature #48 on page 57), the time is shown using a 24 hour clock (military time).

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35

Sending Faxes

Broadcast transmission

This feature is useful for sending the same document often to selected parties (up to 20 stations). First program the stations, then see page 39 for transmission.

- The broadcast function utilizes ONE-TOUCH DIAL 1–3. The one-touch dial function will be cancelled.
- BROADCAST key 1 and 2 can accept ONE-TOUCH DIAL and SPEED DIRECTOR entries.
  MANUAL BROAD key can also accept manual dialing entries.

Programming the stations

1 Press (DIRECTORY PROGRAM).

Display:

```
PRESS STATION
```
↕
```
OR USE SPD-DIR
```

2 **For BROADCAST 1–2:**
Press the desired (BROADCAST) key.

```
DIAL MODE      ↻
```

Rotate (SPEED DIRECTOR) to select "BROADCAST".

Example:
```
BROADCAST 1    ↻
```

For MANUAL BROADCAST:
Press (MANUAL BROAD).

```
DIAL MODE      ↻
```

Rotate (SPEED DIRECTOR) to select "MANUAL BROAD".

```
MANUAL BROAD   ↻
```

3 Press (SET).

```
DIR=           [00]
```

4 Enter stations.
Using ONE-TOUCH DIAL 1–5:
Press the desired ONE-TOUCH DIAL key.

Example:
```
DIR=ANN        [01]
```

Using ONE-TOUCH DIAL 6–10:
Press (LOWER), then press the desired ONE-TOUCH DIAL key.

Example:
```
DIR=Luke       [01]
```

Using (SPEED DIRECTOR):
Display the desired name and press (SET).

Example:
```
John           [01]
```
↓
```
DIR=John       [02]
```

Using the dial keypad (only for MANUAL BROAD):
Enter the fax number and press (SET).
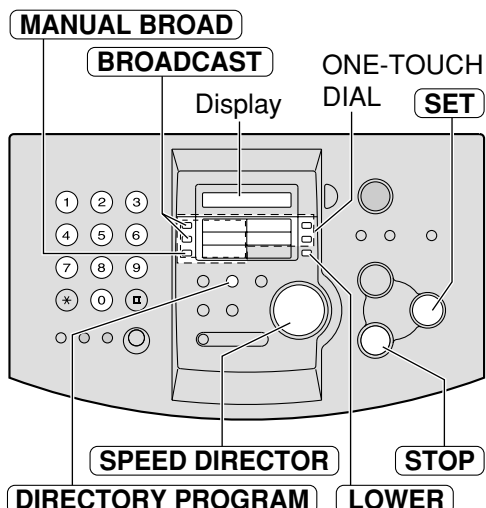
Example:
```
DIR=3456789
```
↓
```
DIR=3456789 [01]
```

- To enter other stations, repeat this step (up to 20 stations).

5 Press (SET) after programming all of the desired stations.

```
REGISTERED
```
↓
```
PRESS STATION
```
↕
```
OR USE SPD-DIR
```
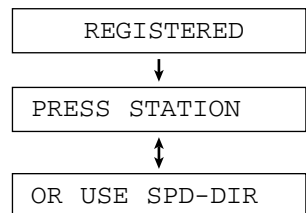
- To program another broadcast key, repeat steps 2 to 5.

6 Press (STOP) to exit the program.

(MANUAL BROAD)
(BROADCAST)   ONE-TOUCH DIAL
Display   (SET)

(SPEED DIRECTOR)   (STOP)
(DIRECTORY PROGRAM) (LOWER)

Note:
- If you enter the wrong station, press (STOP) after step 4 to erase the station.
- Confirm the stored items by printing a broadcast programming list (p. 75).

36

Adding a new station

1 Rotate **SPEED DIRECTOR** until the desired key name is displayed.

Example: | <BROADCAST1> |

2 Press **DIRECTORY PROGRAM** .

| ADD=✳ DELETE=# |

3 Press ✳ to select "ADD".

4 Rotate **SPEED DIRECTOR** until the desired name you want to add is displayed (only using SPEED DIRECTOR is available).

Example (SPEED DIRECTOR): | Mike |
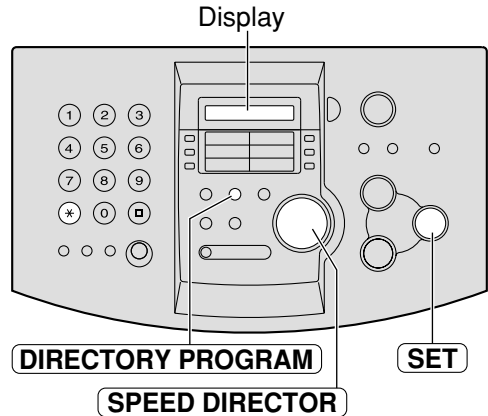
Example (ONE-TOUCH DIAL-2): | Peter   <S02> |

5 Press **SET** .

| REGISTERED |

↓

Example: | Nikki |

●To add other stations, repeat steps 4 and 5 (up to 20 stations).

6 Press **DIRECTORY PROGRAM** to exit the program.

Display

DIRECTORY PROGRAM

SPEED DIRECTOR

SET

37

Sending Faxes

Erasing a stored station

1 Rotate (**SPEED DIRECTOR**) until the desired key name is displayed.

Example: | <BROADCAST1> |

2 Press (**DIRECTORY PROGRAM**).

| ADD=* DELETE=# |

3 Press ⌗ to select "DELETE".

4 Rotate (**SPEED DIRECTOR**) until the desired station you want to erase is displayed.

Example
(SPEED DIRECTOR): | Dick |

Example
(ONE-TOUCH DIAL-3): | Sam   <S03> |
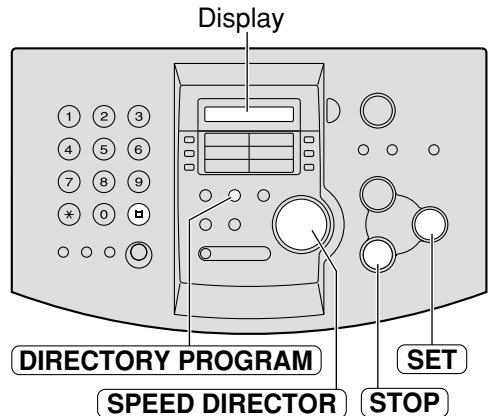
●To cancel erasing, press (**STOP**).

5 Press (**SET**).

| DELETE OK? |

↕

| YES:SET/NO:STOP |

6 Press (**SET**).

| DELETED |

↓

Example: | Bob |

●To delete other stations, repeat steps 4 to 6.

7 Press (**DIRECTORY PROGRAM**) to exit the program.

Display

(**DIRECTORY PROGRAM**)   (**SET**)
(**SPEED DIRECTOR**) (**STOP**)

## Sending the same document to pre-programmed parties

1 Insert the document FACE DOWN.
- If necessary, press $\boxed{\text{RESOLUTION}}$ repeatedly to select the desired setting (p. 32).

2 Press the desired $\boxed{\text{BROADCAST}}$ (1–2) or $\boxed{\text{MANUAL BROAD}}$.

- You can also use $\boxed{\text{SPEED DIRECTOR}}$. Display the desired key name, and press $\boxed{\text{FAX START}}$.

  Example: | <BROADCAST1> |

- The document will be fed into the unit and scanned into memory. The unit will then transmit the data to each station, calling each number sequentially.
- After transmission, the stored document will be erased automatically, and the unit will automatically print a broadcast sending report (see below).

Note:
- If one of the stations is busy or does not answer, the station will be skipped. All skipped stations will be redialed up to 2 times after all of the other stations have been called.
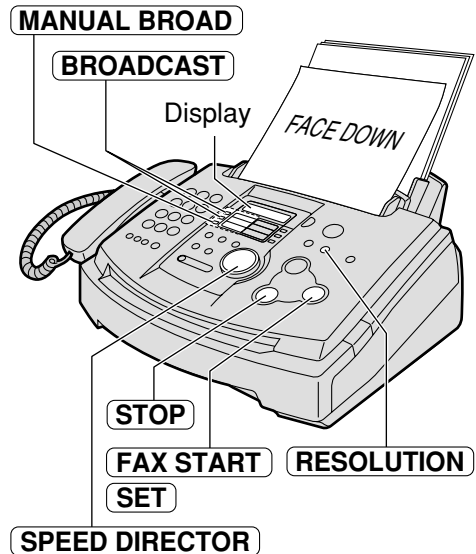
To cancel the broadcast setting

1. Press $\boxed{\text{STOP}}$ while the unit displays the following message.

   Display: | BROADCASTING |

- The display will show the following.

   | SEND CANCELLED? |
   ↕
   | YES:SET/NO:STOP |

2. Press $\boxed{\text{SET}}$.

Sample of a broadcast sending report

```
     BROADCAST REPORT 1 / RAPPORT D'ENVOI MULTIPOSTES 1
                                                    Mar. 10 2001 09:36AM

                    YOUR LOGO / VOTRE LOGOTYPE      :
                    YOUR FAX NO. / VOTRE NUMÉRO DE FAX :
     NO.  OTHER FACSIMILE    START TIME      USAGE TIME    PAGES       RESULT
     NO   CORRESPONDANT      HEURE DÉBUT     DURÉE         PAGES       RÉSULTAT
     01   Mike               Mar.10 09:31AM   01'10        02          OK
     02   Peter              Mar.10 09:33AM   01'08        02          OK
     03   Sam                Mar.10 09:34AM   01'09        02          OK
     04   Kim                Mar.10 09:35AM   01'10        02          OK
                             TOTAL            004'37       008
```

Note:
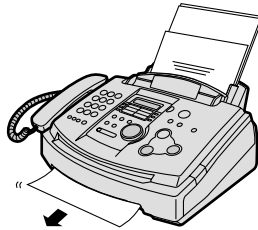- If you select "FRENCH" for the language (feature #48 on page 57), the time is shown using a 24 hour clock (military time).

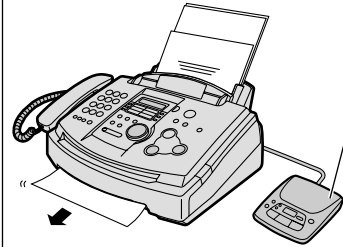# *Receiving Faxes*

Setting the unit to receive faxes

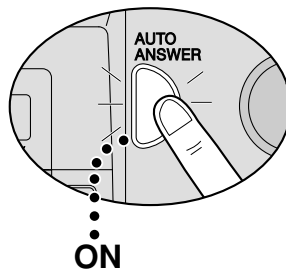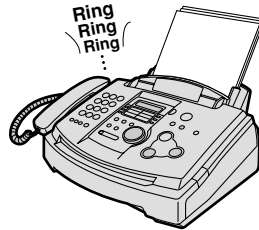|	**Use only as a fax**	**With answering machine**
How you want the unit to receive calls	**You have a separate telephone line just for faxes.**	External telephone answering machine (not included) **You want to use the fax machine with an answering machine.**
You have to set this.	**FAX ONLY mode** (p. 43) Turn AUTO ANSWER on by pressing (**AUTO ANSWER**). AUTO ANSWER **ON**	**Activating an answering machine** (p. 44) 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 fax machine to "5 EXT.TAM", if you use with AUTO ANSWER on.
This is how the unit will operate.	**When receiving calls:** All incoming calls will be answered as faxes.	**When receiving voice calls:** The answering machine will record voice messages. **When receiving fax calls:** The fax machine will disconnect the answering machine and receive documents.

Voice mail service (Distinctive Ring)

2-number example
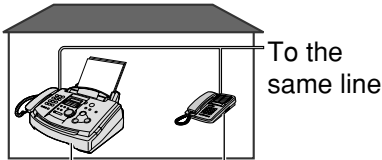
To the same line

Facsimile No. (555-1333) Telephone No. (555-1111)

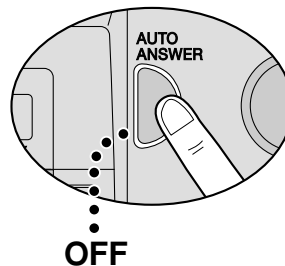## You need to subscribe to Distinctive Ring Service.

↓

Setting the Distinctive Ring pattern (feature #31 on page 56)

Select the same ring pattern assigned to the facsimile number.

A: Standard ring (one long ring)
B: Double ring (two short rings)
C: Triple ring (short-long-short rings)
D: Other triple ring (short-short-long rings)

↓

When the fax machine detects a call matching the selected Distinctive Ring pattern: The fax machine will activate the fax function.

When the fax machine detects other ring patterns: The fax machine will operate based on the AUTO ANSWER setting.

Mostly voice calls

Ring Ring Ring

You plan to answer the calls yourself.

↓

TEL mode (p. 42)

Turn AUTO ANSWER off by pressing (AUTO ANSWER).

AUTO ANSWER

OFF

↓

When receiving calls:
You have to answer all calls manually.
To receive a fax document, press (FAX START) for each fax call.

Other options

With a PC

If you have a computer attached to the same telephone line, see page 48.

TEL/FAX mode

If you are near the unit and want to use it to receive voice calls yourself and fax calls automatically, see pages 46 and 47.

Remote fax activation

You can also receive a fax using an extension telephone. While hearing a fax calling tone with an extension telephone, press ⊛ 9 (pre-selected fax activation code) to receive a fax (p. 48).
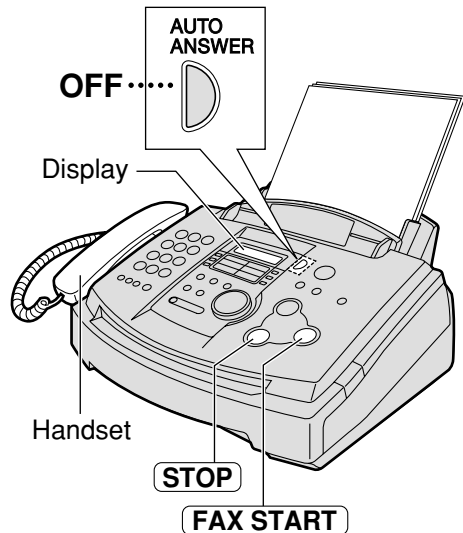
Receiving Faxes

TEL mode (answering all calls manually)

Activating TEL mode

If the AUTO ANSWER light is on, turn it off by pressing (**AUTO ANSWER**).

Display: | TEL MODE |

Receiving a fax manually

1 When the unit rings, 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 (**FAX START**).

| CONNECTING..... |

3 Replace the handset.
●The unit will start fax reception.

OFF····· AUTO ANSWER

Display —

Handset

(**STOP**)

(**FAX START**)

Note:
●If you do not answer the call within 10 rings, the unit will temporarily switch to fax reception and the caller can send a document.

To stop receiving

Press (**STOP**).

Friendly reception feature

When you answer a call and hear a fax calling tone (slow beep), the unit will automatically start fax reception.
●If this feature is not required, set feature #46 to off (p. 57).

Auto reduction feature

If the other party sends a document that is longer than your recording paper, your unit will reduce the receiving document to the proper size and print it. If you want to print the original size, set feature #37 to off (p. 56).

Fax reception in memory

When a printing problem is detected, the unit will temporarily store the received document into memory.
While the document is in memory:
—the display will show an error message and the following message alternately,

Display: | FAX IN MEMORY |

—slow beeps will sound if feature #44 is set to on (p. 57).
●Follow the instructions on pages 61 and 62 to solve the problem.
●For memory capacity, see page 78.

FAX ONLY mode (all calls are received as faxes)

## Activating FAX ONLY mode

1 Set feature #77 to "FAX ONLY" (p. 59).

2 If the AUTO ANSWER light is off, turn it on by pressing **AUTO ANSWER** .
- The display will show the number of rings before the unit answers a call in FAX ONLY mode.

Display:

PICKUP & RCV FAX

↓

Example:

AFTER 3 RINGS ♫

3 If you wish to change the ring count setting, rotate **SPEED DIRECTOR** until the desired number is displayed, and press **SET** .
- When receiving calls, the unit will automatically answer all calls and only receive fax documents.

ON ····· AUTO ANSWER

Display

SPEED DIRECTOR

SET
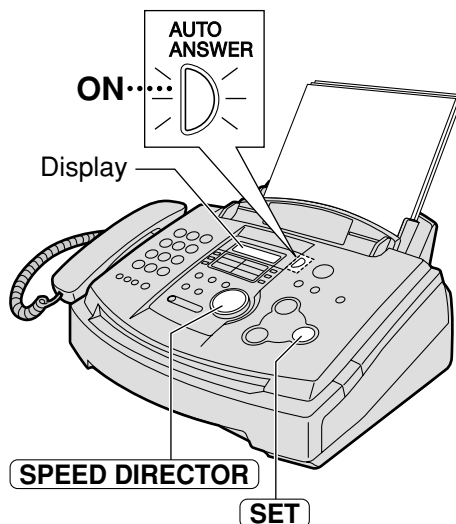
Note:
- If the AUTO ANSWER light is already on and you wish to change the ring count, turn it off once then on again by pressing **AUTO ANSWER** and follow the instructions in step 3.
- This mode should not be used with a telephone line which is used for both voice and fax calls. Fax communication will be attempted even if someone is trying to call you.

If you have a telephone line just for faxes, we recommend the following setup.

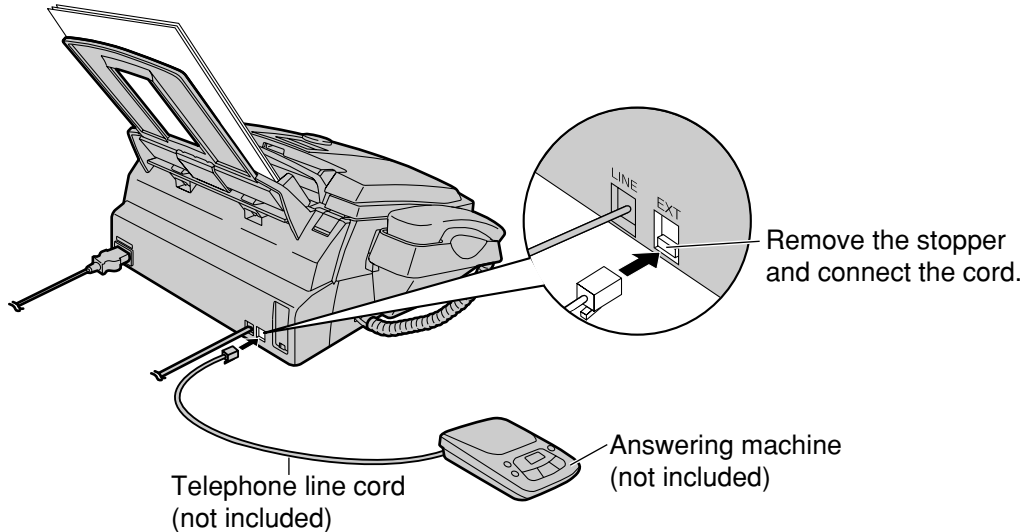**Example:** One telephone line is used for voice calls and a separate telephone line for faxes.

⌇ Line 1 – Voice calls

⌇ Line 2 – Fax calls
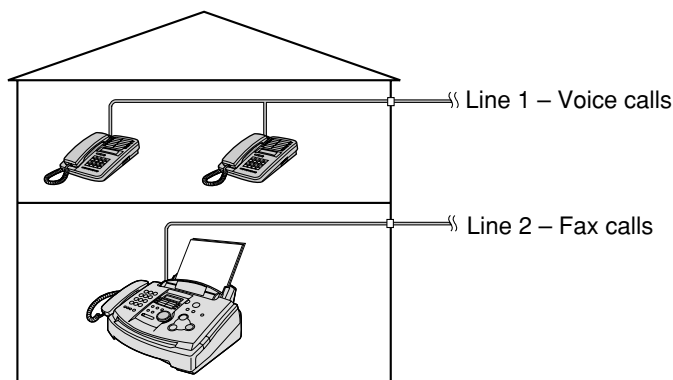
Only a fax machine is connected.

Receiving Faxes

Using the unit with an answering machine ═══════

Setting up the fax machine and an answering machine

1 Connect the answering machine.

LINE   EXT

Remove the stopper
and connect the cord.

Answering machine
(not included)

Telephone line cord
(not included)

2 Set the number of rings on the answering machine to less than 4.
●This will allow the answering machine to answer the call first.

3 Record a greeting message on the answering machine.
Example: *"This is (your name, business and/or telephone number). We are unable to
answer the phone right now. To send a fax, start transmission. To leave a
message, please speak after the beep. Thank you."*
●We recommend you record your message around 10 seconds long and not to pause for
more than 4 seconds during the message. Otherwise, both machines will not function
correctly.

4 Activate the answering machine.

5 Set the receive mode of the fax machine to TEL mode (p. 42) or FAX ONLY mode (p. 43).
●If you set to FAX ONLY mode, **set the ring count in FAX ONLY mode to
"5 EXT.TAM" (feature #06 on page 53)**. Using FAX ONLY mode will allow you to receive
faxes if the answering machine is full.

6 Check the remote access code of the answering machine and program the same code into
the remote operation ID of the fax machine. See feature #12 on page 54.

How the fax machine and answering machine work

Receiving voice calls
The answering machine will record voice messages automatically.

Receiving fax calls
The fax machine will receive documents automatically when the machine detects a fax calling tone.

Receiving a voice message and fax document in one call
The answering machine will record the voice message first. The fax machine will then be activated by the caller's request and will receive the document.

Note:
●Every time the fax machine receives a document, a silent pause or fax tone may be recorded on 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 fax machine.

   ●The answering machine 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 fax machine will activate the fax function.

4. The caller presses the start button to send a document.

Note:
●The fax activation code can be changed in feature #41 (p. 57).
●If the wrong fax activation code is entered, the caller must wait at least 5 seconds to reenter the correct code.

Receiving Faxes

TEL/FAX mode (receiving voice calls with rings and fax calls without rings when you are near the unit)

Use this mode when you are always near the fax machine, and want to receive faxes without the unit ringing. When a call is received, the fax machine will work as follows. To set TEL/FAX mode, see below.

A call is received.

The fax machine will not ring.
"TEL/FAX delayed ring count"
(See bottom of next page.)

● The call is connected.

Voice call

The fax machine will **ring 3 times**.
"Silent fax recognition ring count"
(See bottom of next page.)

Ring
Ring
Ring

● The calling party will hear a different ring back tone.

Fax calling tone*

The fax machine will automatically receive documents without ringing.

Answer the call.
● If the call is not answered, the fax machine will activate the fax function for the other party's fax machine that did not send a fax calling tone.

* A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.

Note:
● The fax machine will display the following when a call is received.

Display: | INCOMING CALL |

● The ringer should be on (p. 21).

To set TEL/FAX mode
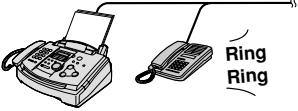
1. Set feature #77 to "TEL/FAX" (p. 59).
2. If the AUTO ANSWER light is off, turn it on by pressing (AUTO ANSWER) .

AUTO
ANSWER

ON·····
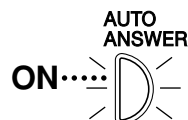
When an extension telephone is connected

A call is received.

The fax machine will not ring, but the extension telephone will **ring twice**.
"TEL/FAX delayed ring count"
(See below.)

Ring
Ring

●The call is connected.

Voice call →

Fax calling tone*

The fax machine will automatically receive documents without ringing.

* A fax calling tone is automatically generated by the sending fax machine. Some fax machines do not have this capability.

** This feature may not function depending on the type of an extension telephone. If the fax machine activates the fax function, press **STOP** on the fax machine in step 2 to talk with the calling party.

The extension telephone will not ring, but the fax machine will **ring 3 times**.
"Silent fax recognition ring count"
(See below.)
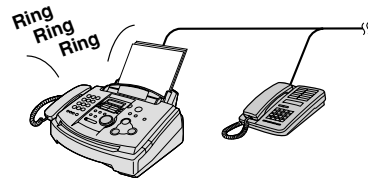
Ring
Ring
Ring

●The calling party will hear a different ring back tone.

You can answer the call with the extension telephone.**
1. Lift the handset.
2. Enter $\boxed{*}$ $\boxed{0}$ (default code) while the ring back tone is heard.
●The code number can be changed in feature #49 (p. 58).

Answer the call.
●If the call is not answered, the fax machine will activate the fax function for the other party's fax machine that did not send a fax calling tone.

TEL/FAX delayed ring count

The number of rings generated before the fax machine answers depends on the setting of feature #78 on page 59. The fax machine will not generate an audible ring during this time.

Silent fax recognition ring count

The fax machine generates audible rings to indicate that it is receiving a voice call. The number of rings generated depends on the setting of feature #30 on page 56. This signal will not ring at an extension telephone.

Receiving Faxes

Using with an answering machine and computer

We recommend that you always connect the fax machine directly to the wall jack.

Wall jack

Computer

Wall jack
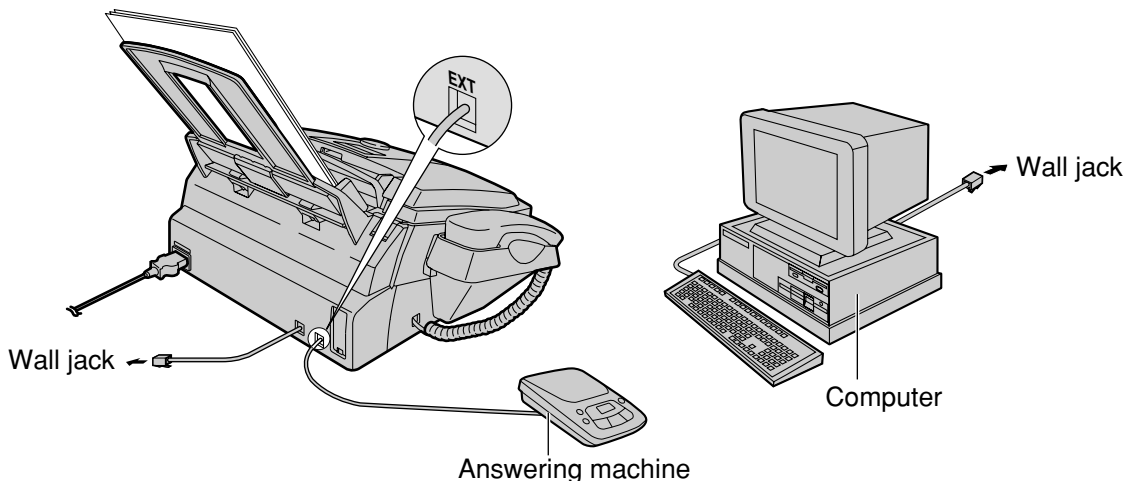
Answering machine

Note:
- Set the fax machine to TEL mode.
- The device which has the shortest ring count will answer a call first.
- If you use your computer as an answering machine, connect the telephone line cord from the EXT jack to the computer.

Extension telephone

If you use the fax machine with an extension telephone, you can receive fax documents using the extension telephone. You do not have to press (**FAX START**) on the fax machine.

Important:
- Use a touch tone telephone as the extension telephone and enter the fax activation code **firmly.**

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 (pre-selected fax activation code) **firmly**.

To the EXT jack or the same line

Extension telephone

3 Hang up the handset.
- The fax machine will start reception.
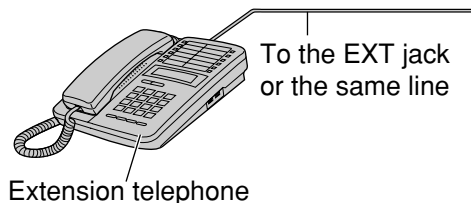
Note:
- You can change the fax activation code in feature #41 (p. 57).

Pager call - when the unit receives a fax

This feature allows your unit to call your pager when your unit receives a fax document.

1 Press **MENU** .

Display: | SYSTEM SET UP |

2 Press **#** , then **7** **0** .

| FAX PAGER CALL |

3 Press **SET** .

| MODE=OFF   ↻ |

4 Rotate **SPEED DIRECTOR** to select "ON".

| MODE=ON   ↻ |

●If this feature is not required, select "OFF".

5 Press **SET** .

| NO.= |

6 Enter your pager number.
● You can enter a total of 46 digits and/or pauses.

Example:

1 202 555 1234PP12345678PP5555#

Your pager number

Pauses

Your pager access code, if required.

Message you want displayed on your pager when your unit receives a fax.

7 Press **SET** .
●The unit will dial the stored number.

| PAGER TEST |

8 Check that your pager received the pager test call.

9 Press **MONITOR** .

Display **MENU**

SPEED DIRECTOR   **SET**

MONITOR

REDIAL/PAUSE
(Pause)

Note:
●If you have subscribed to a Call Display service, your pager will display the caller's telephone number instead of the message.

When your pager receives a pager call

Your pager will display the message you entered in step 6. (For example: 5555)

Pager

Copying

Making a copy

The unit can make single or multiple copies (up to 99).

1 Adjust the width of the document guides to the size of the document.

2 Insert the document (up to 15 pages) FACE DOWN until the unit grabs the document and a single beep is heard.

Display:

STANDARD

●Make sure the handset is on the cradle.

3 Press **COPY START** .

100% FINE [01]

●If necessary, enter the number of copies (up to 99).

4 Press **COPY START** .
●The unit will start copying.

Document guides

Display

FACE DOWN

COPY START
STOP
COLLATE
RESOLUTION
COPY ZOOM
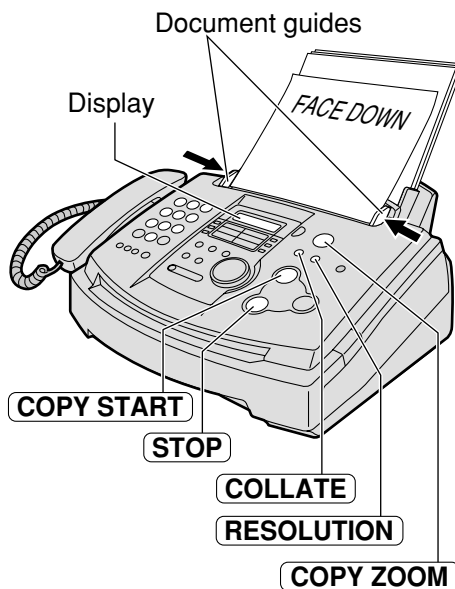
Note:
●Any transmittable document can be copied (p. 34).

To stop copying

Press **STOP** .

Convenient way to make a copy

The following settings are available before you start copying.
●Resolution
●Reduction/enlargement rate
●Collation (sort)

To select the resolution according to the type of document

Press **RESOLUTION** repeatedly to select the desired setting.

Display while copying

FINE: For printed or typewritten originals with small printing.

100% FINE [01]

SUPER FINE: For originals with minute printing.

100% S-FINE[01]

PHOTO: For originals containing photograph.

100% PHOTO [01]

PHOTO WITH TEXT: For originals containing photograph and text.

100% MIXED [01]

● If you select "STANDARD", copying will be done using "FINE" mode.

To reduce or enlarge a document

To make a reduced copy, press
[**COPY ZOOM**] [⊖] repeatedly and
select the desired reduction rate. The unit
can reduce copies to as little as 50% of the
original by changing the reduction rate 5%
at a time.

Example: 70% reduced copy

Original document   Reduced copy

To make an enlarged copy, press
[**COPY ZOOM**] [⊕] repeatedly and
select the desired enlargement rate. The
unit can enlarge copies to as much as 200%
of the original by changing the enlargement
rate 5% at a time.

Example: 150% enlarged copy

Original document   Enlarged copy

Note:
●The display will show the rate you selected while copying.

Example: 75% FINE [01]

Reduction/enlargement rate

●For an enlarged copy, 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, insert it into the unit, and then
make a copy.

To collate multiple copies

The unit can collate multiple copies in the same order as the original document pages.
Press [**COLLATE**] until the following is displayed and start copying.

Display: COLLATE=ON

Example: Making two copies of a 4-page original document

Collated pages   Uncollated pages

Note:
●The unit will store the documents into memory while collating copy. If memory becomes full while storing,
the unit will only print out the stored pages.
●While collating copies, the display will show the following.

Example: 100% FINE [01]C

shows collating copy

51

Features Summary

Programming

The unit provides various programming features. Program the desired settings by referring to the programming tables (p. 53–59).

General programming method

1 Press **MENU** .

Display: | SYSTEM SET UP |

2 Select the feature you wish to program.
- ■**For basic features** (p. 53, 54):
  Rotate **SPEED DIRECTOR** until the desired feature is displayed.
- ■**For advanced features** (p. 55–59):
  Rotate **SPEED DIRECTOR** until the following is displayed.

  | ADVANCED MODE |

  Press **SET** and rotate **SPEED DIRECTOR** until the desired feature is displayed.

3 Press **SET** .
- ●The current setting of the feature will be displayed.

4 Rotate **SPEED DIRECTOR** until the desired setting is displayed.
- ●This step may be slightly different depending on the feature.

5 Press **SET** .
- ●The setting you selected is set, and the next feature will be displayed.

6 To exit programming, press **MENU** .

Display   **MENU**
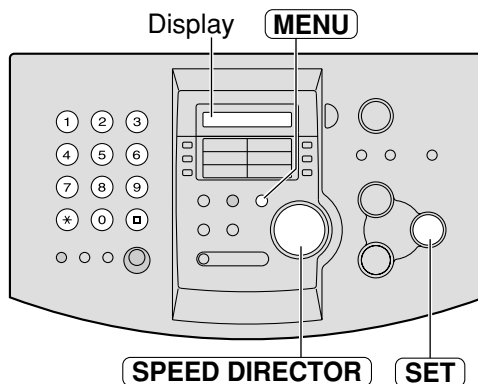
SPEED DIRECTOR   **SET**

Programming by entering the program code number directly

You can select a feature by directly entering the program code (# and 2-digit number) instead of using **SPEED DIRECTOR**.

1. Press **MENU** .

2. Press **#** and the 2-digit code number.

3. Follow steps 3 to 6 above.

●See programming tables for code numbers (p. 53– 59).

To cancel programming

Press **MENU** to exit the program.

Basic features

Programming table

Code	Display & Feature	Settings	How the unit operates
#01	SET DATE & TIME To set the date and time.	mm/dd/yy hh:mm (2 digits for each entry)	See page 17 for details.
#02	YOUR LOGO To set your logo.	(Up to 30 characters)	See page 18 for details.
#03	YOUR FAX NO. To set your facsimile telephone number.	(Up to 20 digits)	See page 20 for details.
#04	SENDING REPORT To print and check the sending report for fax transmission results (p. 35).	**ERROR** ON OFF	"ERROR": The sending report will be printed only when fax transmission fails. "ON": The sending report will be printed out after every transmission.
#06	FAX RING COUNT To change the number of rings before the unit answers a call in FAX ONLY mode.	1, 2, **3**, 4, 5 EXT.TAM	This setting is also available after activating FAX ONLY mode (p. 43). If you are using the unit with an answering machine, set to "5 EXT.TAM" (p. 44).

(The default setting is in bold type.)

Features Summary

Basic features (cont.)

How to set menu options

1. Press **MENU**.
2. Rotate **SPEED DIRECTOR** until the desired feature is displayed.
3. Press **SET**.
4. Rotate **SPEED DIRECTOR** until the desired setting is displayed.
5. Press **SET**.
6. Press **MENU**.

Note:
● Step 4 may be slightly different depending on the feature.
● See page 52 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#12	REMOTE TAM ACT. If you are using the unit with an answering machine, activate this feature, and set the remote activation ID to secure the remote operation for the answering machine.	ON / ID=**11** **OFF**	To select "ON" and enter ID: 1. Press **MENU**. 2. Rotate **SPEED DIRECTOR** and select this feature. 3. Press **SET**. 4. Rotate **SPEED DIRECTOR** to select "ON". 5. Press **SET**. 6. Enter your ID from 1 to 5 digits, using 0–9, ✳ and #. 7. Press **SET**. 8. Press **MENU**.
#13	DIALING MODE If you cannot dial, change the setting depending on your telephone line service.	**TONE** PULSE	"TONE": For tone dial service. "PULSE": For rotary pulse dial service.
#16	PAPER SIZE To set the recording paper size.	**LETTER** LEGAL	"LETTER": Letter size paper. "LEGAL": Legal size paper.
#17	MELODY RINGER To set the ring melody.	**BELL** MELODY (A, B, C, D)	You can select the bell or the melody. The selected bell or melody will sound while setting.

(The default setting is in bold type.)

Advanced features

How to set menu options

1. Press **MENU**.
2. Rotate **SPEED DIRECTOR** until the following is displayed.

   Display: `ADVANCED MODE`

   Press **SET** and rotate **SPEED DIRECTOR** until the desired feature is displayed.
3. Press **SET**.

4. Rotate **SPEED DIRECTOR** until the desired setting is displayed.
5. Press **SET**.
6. Press **MENU**.

Note:
● Step 4 may be slightly different depending on the feature.
● See page 52 for more details.

Programming table

Code	Display & Feature	Settings	How the unit operates
#22	`AUTO JOURNAL` To print the journal report automatically for fax communications.	**ON** OFF	"ON": The unit will print the journal report automatically after every 30 new fax communications (p. 35).
#23	`OVERSEAS MODE` If you have difficulty sending an overseas fax, activate this feature before starting transmission. This feature makes sending documents easier as the transmission speed is slowed down.	NEXT FAX **ERROR** OFF	"NEXT FAX": This setting is effective only for the next attempted fax transmission. After transmission, the unit will return to the previous setting. "ERROR": When the previous fax transmission fails and you redial the same number. ● This feature is not available for broadcast transmission. ● The calling charge may be higher.
#25	`DELAYED SEND` To send a fax automatically at a specified time. This allows you to take advantage of low-cost calling hours offered by your telephone company. ● The setting can be reserved to take place up to 24 hours in advance.	ON / fax no. / hh:mm **OFF**	To send a document: 1. Insert the document. 2. Follow steps 1–3 above. 3. Rotate **SPEED DIRECTOR** to select "ON". 4. Press **SET**. 5. Enter the fax number. 6. Press **SET**. 7. Enter the transmission start time. Press ✳ to select "AM" or "PM". 8. Press **SET**. 9. Press **MENU**. ● To cancel after programming, press **STOP** then **SET**.

(The default setting is in bold type.)

Advanced features (cont.)

How to set menu options

1. Press (**MENU**) .

2. Rotate (**SPEED DIRECTOR**) until the following is displayed.

> Display: | ADVANCED MODE |

Press (**SET**) and rotate (**SPEED DIRECTOR**) until the desired feature is displayed.

3. Press (**SET**) .

4. Rotate (**SPEED DIRECTOR**) until the desired setting is displayed.

5. Press (**SET**) .

6. Press (**MENU**) .

Note:
● Step 4 may be slightly different depending on the feature.
● See page 52 for more details.

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#26	AUTO CALL. LIST To print the Caller's list automatically.	**ON** OFF	"ON": The unit will print the Caller's list automatically after every 30 new calls (p. 29).
#30	SILENT FAX RING To change the number of rings when the unit detects a voice call in TEL/FAX mode.	**3**, 4, 5, 6	See pages 46 and 47 for details.
#31	RING DETECTION If you subscribe to a Distinctive Ring Service from your telephone company, activate this feature. This feature is also required for voice mail service.	A, B, C, D **OFF**	Select the ring pattern to be assigned to the facsimile number. A: Standard ring (one long ring) B: Double ring (two short rings) C: Triple ring (short-long-short rings) D: Other triple ring (short-short-long rings) ● If you activate this feature, the unit will print an information list. ● For more information about telephone services, contact your telephone company.
#37	AUTO REDUCTION To receive a fax document that is longer than your recording paper.	**ON** OFF	"ON": The unit will fit a received document onto your recording paper. "OFF": The unit will print the original size.

(The default setting is in bold type.)

Code	Display & Feature	Settings	How the unit operates
#39	 `LCD CONTRAST` To adjust the display contrast.	**NORMAL**	"NORMAL": For normal contrast "DARKER": Used when the display contrast is too light.
		DARKER	
#40	 `SILENT DETECT.` If you use the unit with an answering machine and wish to receive faxes from older model fax machines, activate this feature.	ON	●If the other party's fax machine does not send a fax calling tone, select "ON". The unit detects a silent pause and activates the fax function. ●If you use an answering machine to give greeting messages and record incoming messages on a single cassette tape, select "OFF".
		OFF	
#41	 `FAX ACTIVATION` If you use an extension telephone and wish to use it to receive a fax, activate this feature, and enter the code (p. 48). ●This code is also used to receive a voice message and a fax in the same call (p. 45).	**ON** / CODE= ✳ **9**	**1.** Follow steps 1–3 on page 56. **2.** Rotate (**SPEED DIRECTOR**) to select "ON". **3.** Press (**SET**). **4.** Enter your code from 2 to 4 digits, using 0–9 and ✳. **5.** Press (**SET**). **6.** Press (**MENU**). ●Do not enter "0000".
		OFF	
#44	 `RECEIVE ALERT` To alert you with beeps when a received document is stored into memory due to a problem.	**ON**	If you hear slow beeps, clear the printing problem or supply paper to print the stored document. The beeps will stop.
		OFF	
#46	 `FRIENDLY RCV` To receive a fax automatically when you answer a call and hear a fax calling tone (slow beep).	**ON**	"ON": You do not have to press (**FAX START**) for fax reception.
		OFF	
#48	 `LANGUAGE` To select either English or French for the display messages.	**ENGLISH**	"ENGLISH": English is used. "FRENCH": French is used.
		FRENCH	

(The default setting is in bold type.)

Features Summary

Advanced features (cont.)

How to set menu options

1. Press [MENU] .
2. Rotate (SPEED DIRECTOR) until the following is displayed.

   Display: | ADVANCED MODE |

   Press [SET] and rotate (SPEED DIRECTOR) until the desired feature is displayed.
3. Press [SET] .

4. Rotate (SPEED DIRECTOR) until the desired setting is displayed.
5. Press [SET] .
6. Press [MENU] .

Note:
- Step 4 may be slightly different depending on the feature.
-

Programming table (cont.)

Code	Display & Feature	Settings	How the unit operates
#49	AUTO DISCONNECT To answer a call with an extension telephone in TEL/FAX mode (p. 47).	**ON** / CODE= ∗ **0** OFF	1. Follow steps 1–3 above. 2. Rotate (SPEED DIRECTOR) to select "ON". 3. Press [SET] . 4. Enter your code from 2 to 4 digits, using 0–9 and ∗ . 5. Press [SET] . 6. Press [MENU] .
#68	ECM SELECTION ECM stands for Error Correction Mode. To send a fax even if there is static interference on the telephone line.	**ON** OFF	This feature is available when the transmitting/receiving stations are ECM compatible. - If documents are in memory, clear them before making the setting (p. 42).
#70	FAX PAGER CALL If you have a pager and wish to know when your unit receives a fax, activate this feature.	ON **OFF**	See page 49 for details.
#76	CONNECTING TONE If you often have trouble when sending a fax, this feature allows you to hear connecting tones: fax tone, ring back tone and busy tone.	**ON** OFF	You can confirm the status of the other party's machine. - If the ring back tone continues, the other party's machine may not be a facsimile or may have run out of paper. Check with the other party. - The connecting tone volume cannot be adjusted.

(The default setting is in bold type.)

Code	Display & Feature	Settings	How the unit operates
#77	`AUTO ANSWER` To change the receive mode in the AUTO ANSWER setting.	**FAX ONLY** TEL/FAX	"FAX ONLY": Facsimile only mode (p. 43) "TEL/FAX": Telephone/Facsimile mode (p. 46, 47)
#78	`TEL/FAX RING` If you use an extension telephone in TEL/FAX mode, select the desired number of rings of the extension telephone.	1, **2**, 3, 4	See pages 46 and 47 for details.
#79	`TONER SAVE` To save on toner consumption.	ON **OFF**	"ON": The toner cartridge will last longer. ●This feature may reduce print quality.
#80	`SET DEFAULT` To reset the advanced features, except the language setting (feature #48 on page 57), to their default settings.	YES **NO**	**1.** Follow steps 1–3 on page 58. **2.** Rotate (**SPEED DIRECTOR**) to select "YES". **3.** Press (**SET**) . **4.** Press (**SET**) again. **5.** Press (**MENU**) .

(The default setting is in bold type.)

Error Messages

Reports

If your unit cannot send a fax, check the following:
—the number you dialed is correct,
—the other party's machine is a facsimile.
If the problem remains, correct it by following the communication message printed on the sending and journal reports (p. 35).

Communication message	Error code	Cause & solution
COMMUNICATION ERROR	40–42 46–52 58, 65 68, 72 FF	●A transmission or reception error occurred. Try again or check with the other party.
	43 44	●A line problem occurred. Connect the telephone line cord to a different jack and try again. ●An overseas transmission error occurred. Try using the overseas mode of feature #23 (p. 55).
DOCUMENT JAMMED	—	●The document is jammed. Remove the jammed document (p. 72).
ERROR-NOT YOUR UNIT	54 59 70	●A transmission or reception error occurred because of a problem with the other party's fax machine. Check with the other party.
MEMORY FULL	—	●The document was not received due to memory being full.
NO DOCUMENT	—	●The document was not fed into the unit properly. Reinsert the document and try again.
OTHER FAX NOT RESPOND	—	●The other party's fax machine is busy or has run out of recording paper. Try again. ●The document was not fed properly. Reinsert the document and try again. ●The other party's fax machine rings too many times. Send the fax manually – dial the number, confirm the fax tone, and press **FAX START** . ●The other party's machine is not a facsimile. Check with the other party. ●The number you dialed is not in service.
PRESSED THE STOP KEY	—	●**STOP** was pressed and fax communication was cancelled.
THE COVER WAS OPENED	—	●The front cover was opened. Close it and try again.
OK	—	●Fax communication was successful.

Display

If the unit detects a problem, one or more of the following messages will appear on the display.

Display message	Cause & solution
CALL SERVICE	●There is something wrong with the unit. Contact our service personnel.
CHANGE DRUM	●There is something wrong with the drum unit. Replace the drum unit and the other cartridge (p. 68, 69).
CHECK DOCUMENT	●The document was not fed into the unit properly. Reinsert the document. If misfeeding occurs frequently, clean the document feeder rollers (p. 73) and try again. If the problem remains, adjust the feeder pressure (p. 72).
CHECK DRUM	●The drum unit was not inserted properly. Reinsert it correctly (p. 12, 13).
CHECK MEMORY	●Memory (telephone numbers, parameters, etc.) has been erased. Re-program.
COVER OPEN	●The front cover is open. Close it.
FAILED PICK UP	●Recording paper was not fed into the unit properly. Reinsert the recording paper (p. 71).
FAX IN MEMORY	●The unit has a document in memory. See the other displayed message instructions to print out the document.
FAX MEMORY FULL	●Memory is full of received documents due to a lack of recording paper or a recording paper jam. Install paper or clear the jammed paper. ●When performing memory transmission, the document being stored exceeds the memory capacity of the unit. Transmit the entire document manually.
MEMORY FULL	●When making a copy, the document being stored exceeds the memory capacity of the unit. Press **STOP** to clear the message. Divide the document into sections.
MODEM ERROR	●There is something wrong with the modem circuit. Contact our service personnel.

(continued)

Error Messages

Display message	Cause & solution
NO FAX REPLY	●The other party's fax machine is busy or has run out of recording paper. Try again.
OUT OF PAPER	●Recording paper is not installed or the unit has run out of paper. Install paper (p. 15). ●Recording paper is not fed into the unit properly. Reinstall paper (p. 15).
PAPER JAMMED	●A recording paper jam occurred. Clear the jammed paper (p. 70, 71).
PLEASE WAIT	●The unit is warming up. Wait for a while.
REDIAL TIME OUT	●The other party's fax machine is busy or has run out of recording paper. Try again.
REMOVE DOCUMENT	●The document is jammed. Remove the jammed document (p. 72). ●Attempted to transmit a document longer than 600 mm (23⅝"). Press **STOP** to remove the document. Divide the document into two or more sheets and try again.
SPD-DIR FULL	●There is no space to store new stations in the SPEED DIRECTOR directory. Erase unnecessary stations (p. 25).
TONER EMPTY	●The toner cartridge is empty. Replace the toner cartridge (p. 68, 69).
TONER LOW	●The remaining toner is low. Replace the toner cartridge as soon as possible (p. 68, 69). We recommend you replace the drum unit every third time you replace the toner cartridge. To check the drum life and quality, please print the printer test list (p. 75).
TRANSMIT ERROR	●A transmission error occurred. Try again.
WRONG PAPER	●The unit printed on paper which is shorter than letter size paper. To prevent the drum unit from becoming dirty, use letter or legal size paper.

When a function does not work, check here before requesting help

General

Problem	Cause & solution
I cannot make and receive calls.	●The power cord or telephone line cord is not connected. Check the connections (p. 16). ●If you used a splitter to connect the unit, remove the splitter and connect the unit to the wall jack directly. If the unit operates properly, check the splitter.
I cannot make calls.	●The dialing mode setting is wrong. Change the setting of feature #13 (p. 54).
The unit does not work.	●Disconnect the unit from the telephone line and connect the line to 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.
The unit does not ring.	●The ringer volume is set to off. Adjust it (p. 21).
The other party complains they only hear a fax tone and cannot talk.	●FAX ONLY mode is set. Tell the other party the number is only used for faxes. ●Change to TEL mode (p. 42) or TEL/FAX mode (p. 46).
The (REDIAL/PAUSE) button does not function properly.	●If this button is pressed during dialing, a pause will be inserted. If pressed immediately after a dial tone is obtained, the last number dialed will be redialed.
The receive mode does not function properly.	●A Distinctive Ring pattern of feature #31 is set (p. 56). ●TEL/FAX mode is set (p. 46, 47).
During programming, I cannot enter the code or ID number.	●All or part of the numbers are the same. Change the code or ID number of features #12 (p. 54), #41 (p. 57) and #49 (p. 58).
The unit beeps.	●Recording paper has run out. Press (STOP) to stop the beeps and install paper.

Operations

Fax – sending

Problem	Cause & solution
I cannot send documents.	●The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 16). ●The other party's fax machine is busy or has run out of recording paper. Try again. ●The other party's machine is not a facsimile. Check with the other party. ●The other party's fax machine rings too many times. Send the fax manually – dial the number, confirm the fax tone, then press (**FAX START**) .
The other party complains that letters on their received document are distorted or not clear.	●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. ●The extension telephone on the same line is off the hook. Hang up the extension telephone and try again. ●Try copying the document. If the copied image is clear, there may be something wrong with the other party's machine.
The other party complains that dirty patterns or black lines appear on their received document.	●The glass or rollers are dirty. Clean them (p. 73, 74).
I cannot make an international fax call.	●Use the overseas transmission mode of feature #23 (p. 55). ●Add two pauses at the end of the telephone number or dial manually.

Fax – receiving

Problem	Cause & solution
I cannot receive documents.	●The telephone line cord is connected to the EXT jack on the unit. Connect to the LINE jack (p. 16).
I cannot receive documents automatically.	●The receive mode is set to TEL mode. Set to FAX ONLY mode (p. 43) or TEL/FAX mode (p. 46). ●The time taken to answer the call is too long. Decrease the number of rings of features #06 (p. 53), #30 (p. 56) and #78 (p. 59).
The display shows the following message, but faxes are not received. `CONNECTING.....`	●The incoming call is not a fax. Change the receive mode to TEL mode (p. 42).
A blank sheet is ejected.	●The other party placed the document in their fax machine the wrong way. Check with the other party.
A white line or a dirty pattern appears on your recording paper.	●The glass or rollers are dirty. Clean them (p. 73, 74).

Fax – receiving (cont.)

Problem	Cause & solution
The printing quality is poor.	●The other party sent a faint document. Ask them to send a clearer copy of the document. ●Some paper has instructions recommending which side to print on. Try turning the paper over. ●You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. ●The remaining toner is low. Replace the toner cartridge (p. 68, 69). ●We recommend you replace the drum unit every third time you replace the toner cartridge (p. 68, 69). To check the drum life and quality, please print the printer test list (p. 75). ●The toner save mode of feature #79 is on (p. 59).

Receive mode

Problem	Cause & solution	
I cannot select the desired receive mode.	●If you want to set FAX ONLY or TEL/FAX mode: —select the desired mode using feature #77 (p. 59), and —press (**AUTO ANSWER**) to turn on the AUTO ANSWER light. ●If you want to set TEL mode: —press (**AUTO ANSWER**) to turn off the AUTO ANSWER light.	AUTO ANSWER **ON**····· AUTO ANSWER **OFF**···
The other party complains that they cannot send a document.	●The unit is not in AUTO ANSWER mode. Press (**AUTO ANSWER**) to turn on the AUTO ANSWER light.	AUTO ANSWER **ON**·····

Copying

Problem	Cause & solution
The unit does not make a copy.	●You cannot make a copy during programming. Make the copy after programming or stop programming.
A black line, a white line or a dirty pattern appears on the copied document.	●The glass or rollers are dirty. Clean them (p. 73, 74).
The printing quality is poor. Original — Copy ABC — ABC	●Some paper has instructions recommending which side to print on. Try turning the paper over. ●You may have used paper with a cotton and/or fiber content that is over 20%, such as letterhead or resume paper. ●The remaining toner is low. Replace the toner cartridge (p. 68, 69). ●We recommend you replace the drum unit every third time you replace the toner cartridge (p. 68, 69). To check the drum life and quality, please print the printer test list (p. 75). ●The toner save mode of feature #79 is on (p. 59).

Operations

Using an answering machine

Problem	Cause & solution
I cannot receive documents automatically.	●Your greeting message on the answering machine is too long. Shorten the message (up to 10 seconds). ●The answering machine rings too many times. Set to 1 or 2 rings.
I cannot receive voice messages.	●Check if the answering machine is turned on and connected to the fax machine properly (p. 44). ●Set the number of rings on the answering machine to 1 or 2.
I cannot retrieve recorded voice messages on the answering machine from a remote location.	●You did not program your remote access code in your fax machine correctly. Program the same code that is programmed on the answering machine to the fax machine with feature #12 (p. 54).
I pressed the remote access code to access the answering machine remotely, but the line was disconnected.	●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 "#". Also change the code of the fax machine with feature #12 (p. 54).
Callers complain that they cannot send a document.	●Your answering machine has run out of recording tape. Rewind the tape to record messages. ●You set the answering machine to only give a greeting message.

If a power failure occurs

●The unit will not function.
●Fax transmission and reception will be interrupted.
●If delayed transmission of feature #25 (p. 55) is programmed and the start time has passed during a power failure, transmission will be attempted soon after power is restored.
●If fax documents are stored in memory, they will be lost. When power is restored, a power down report will be printed out stating which contents in memory have been erased.

Sample of a power down report

```
    POWER DOWN REPORT / RAPPORT DE PANNE DE COURANT

                          POWER DOWN AT:/ COUPURE      :Jan. 05 2001 04:30AM
                          RESTARTED  AT:/ RÉTABLISSEMENT:Jan. 05 2001 04:31AM

                    YOUR LOGO / VOTRE LOGOTYPE        :
                    YOUR FAX NO. / VOTRE NUMÉRO DE FAX :
    << WARNING >>
    CONTENTS HAVE BEEN CLEARED DUE TO POWER DOWN.
    FOR ADDITIONAL INFORMATION, PLEASE SEE THE JOURNAL REPORT.

    << AVIS >>
    LES DONNÉES ONT ÉTÉ EFFACÉES SUITE À UNE PANNE DE COURANT.
    POUR PLUS D'INFORMATIONS, VOIR LE REGISTRE DES COMMUNICATIONS
    (JOURNAL).

NO.  OTHER FACSIMILE        MODE      PAGES    FUNCTION
NO   CORRESPONDANT          MODE      PAGES    FONCTION
01   <FAX # NOT AVAIL.>     RCV       01       MEMORY RECEIVE
```

Note:
● If you select "FRENCH" for the language (feature #48 on page 57), the time is shown using a 24 hour clock (military time).

Replacement

Replacing the toner cartridge and the drum unit ═

■When the display shows the following message, replace the toner cartridge.
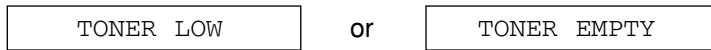
TONER LOW	or	TONER EMPTY

■We recommend you replace the drum unit every third time you replace the toner cartridge.
  To check the drum life and quality, please print the printer test list (p. 75).

Model No. KX-FA76A toner cartridge and **Model No. KX-FA77A drum unit** are available for replacement (p. 8).

Caution:
●**The drum unit contains a photosensitive drum. Exposing it to light may damage the drum. Once you have opened the protection bag:**
  —Do not expose the drum unit to light for more than 5 minutes.
  —Do not touch or scratch the green drum surface.
  —Do not place the drum unit near dust or dirt, or in a high humidity area.
  —Do not expose the drum unit to direct sunlight.
●**Do not unplug the fax machine to prevent loss of fax documents in memory.**
●**Do not pour any toner into the toner cartridge.**

1 Remove the new toner cartridge from the protection bag. Peel off the seal from the toner cartridge.
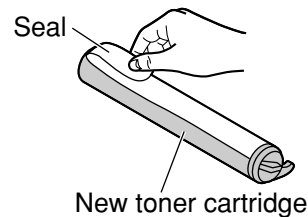
Seal

New toner cartridge

**2** Push the front cover open button then open the front cover.

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

Front cover

Front cover open button

Fuser unit
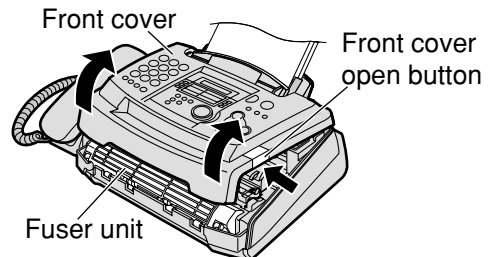
3 Tap on the used toner cartridge several times to allow the remaining toner to fall into the drum unit. Remove the drum and toner unit by holding the two tabs.
●If you replace the toner cartridge and the drum unit at the same time, skip to step 6.

Drum and toner unit
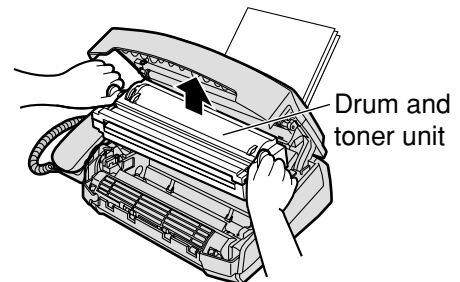
4 Turn the two levers on the used toner cartridge firmly.

Used toner cartridge

Levers

Levers
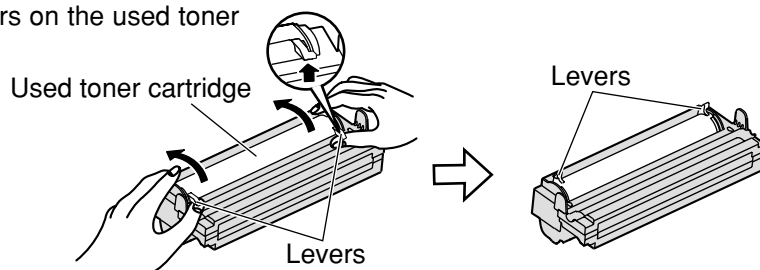
5 Pull up the right edge of the used toner cartridge (①). Remove the cartridge from the drum unit (②).
- The toner may stick to the cartridge and the drum unit. Be careful when handling. See page 4 for details.
- Do not drop the toner on the green drum surface.
- Put the used toner cartridge into the protection bag.

Used toner cartridge

Drum unit

Green drum surface
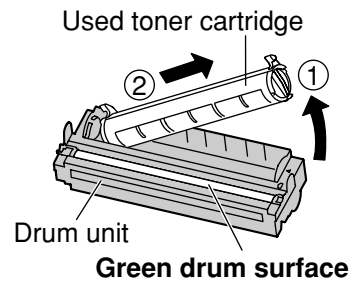
6 If you replace the drum unit at the same time, remove the new drum unit from the protection bag. Remove the protection bar from the drum unit.

With Panasonic face up on the toner cartridge, match the red arrows on the cartridge and the drum unit.

Hold here.

Protection bar

Red arrows

New drum unit

New toner cartridge
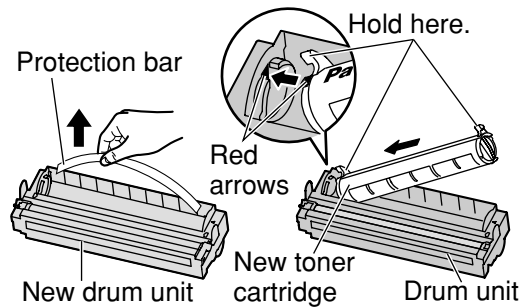
Drum unit

7 Slide the tab of the toner cartridge into the slot of the drum unit.

Tab

Slot
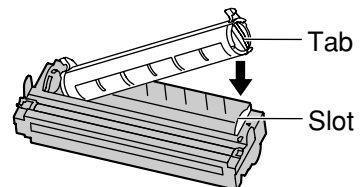
8a Hold right side of the toner cartridge under the lip on the drum unit and...
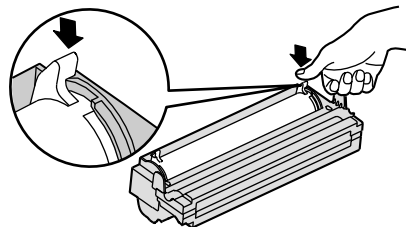
8b turn the two levers on the toner cartridge with firm pressure.

Levers
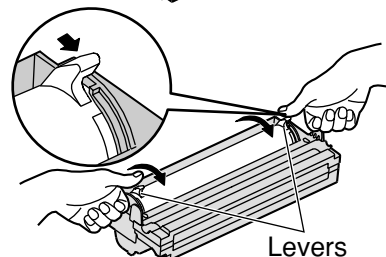
9 The toner cartridge is installed when the triangles match.

Triangles
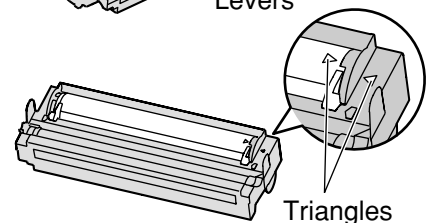
10 Tap on the toner cartridge several times to allow the toner to fall into the drum unit. Grab the tabs, and shake the drum and toner unit horizontally several times.

Toner cartridge
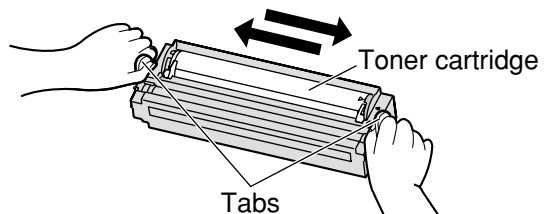
Tabs

Replacement / Jams

11 Install the drum and toner unit by holding the tabs.

●If the lower glass is dirty, clean it with a soft, dry cloth.

Lower glass
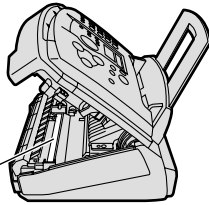
Drum and toner unit
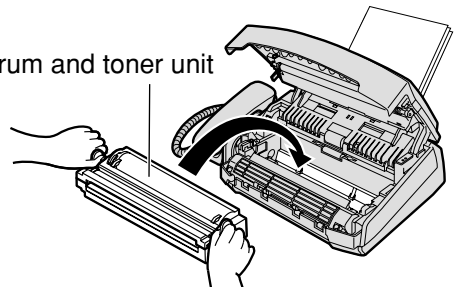
12 Close the front cover, until locked, by pushing down on both sides.

Waste disposal method
●Waste material may be dumped or incinerated under conditions which meet all country and local environmental regulations.

Front cover
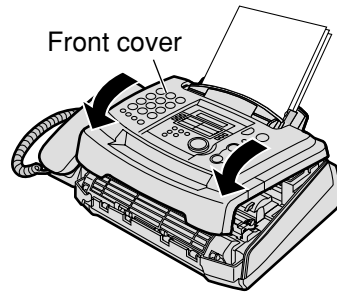
Recording paper jam

When the recording paper has jammed in the unit

The display will show the following message.

```
PAPER JAMMED
```

1 Push the front cover open button then open the front cover.

⚠ **Caution:**
The fuser unit gets hot.
Do not touch it.

Front cover

Front cover open button
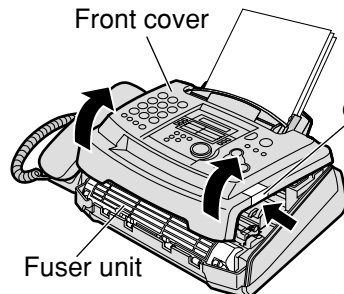
Fuser unit

2 **When the recording paper has jammed near the drum and toner unit:**
Remove the jammed paper by pulling it toward you.
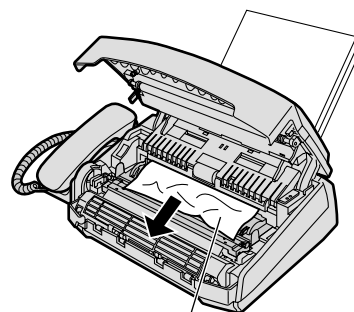
Jammed paper

**When the recording paper has jammed
near the recording paper exit:**
Remove the jammed paper by pulling it
toward you.
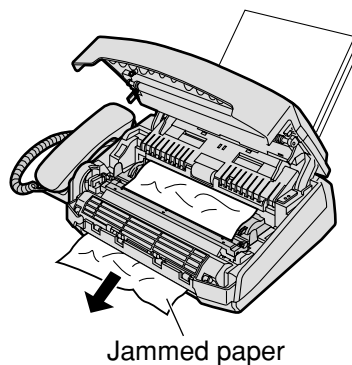
Jammed paper

3 Close the front cover, until locked, by
pushing down on both sides.
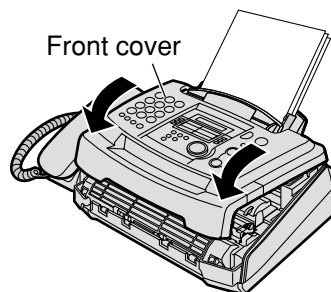
Front cover

4 Remove the recording paper.
Straighten and reinsert it into the
recording paper entrance.

Recording
paper
entrance

When the recording paper was not fed into the unit properly

The display will show the following message.

    FAILED PICK UP

Remove the recording paper. Straighten and
reinsert it into the recording paper entrance.

Recording
paper
entrance

Display
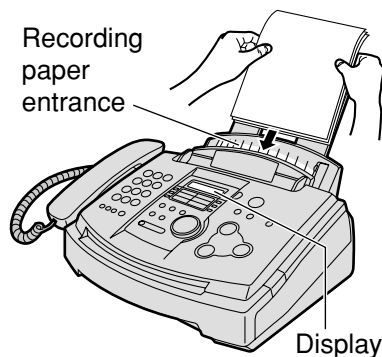
Jams

Document jams - sending

1 Push the front cover open button then open the front cover.

⚠️ **Caution:**
The fuser unit gets hot.
Do not touch it.

Front cover

Front cover open button

Fuser unit

2 Pull down the middle guide while holding the front cover.

Front cover   Jammed document

Middle guide

3 Remove the jammed document carefully.

4 Lift the middle guide firmly.

5 Close the front cover, until locked, by pushing down on both sides.

Front cover

Note:
● Do not pull out the jammed document forcibly before opening the front cover.
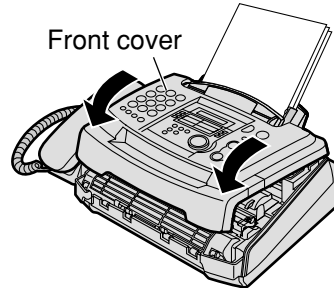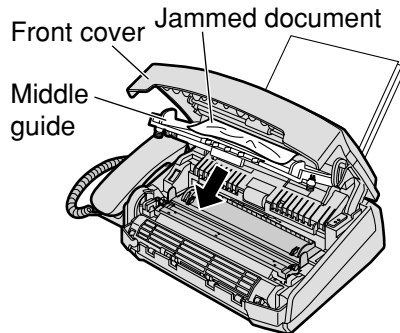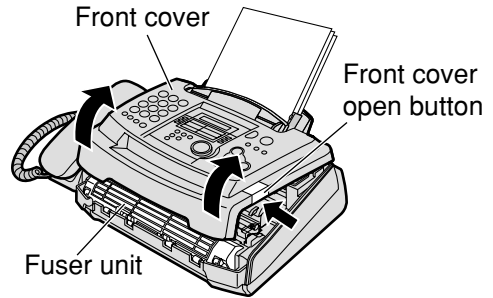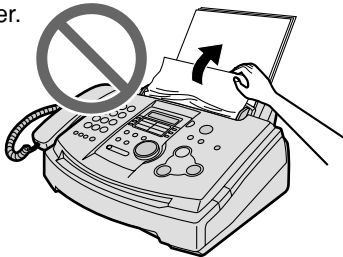
No feeding or multiple feeding occurs while sending

If no feeding or multiple feeding occurs frequently, adjust the feeder pressure.

Shift the position of the green lever by using a stick like instrument with a pointed end.

Left: When documents do not feed.
Centre: Standard position (pre-selected)
Right: When documents multi–feed.

Left   Right

Green lever

Panasonic
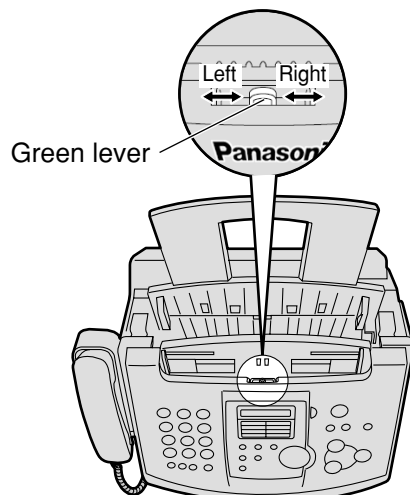
Cleaning the inside of the unit

If any of the following problems occurrs, clean the inside of the unit:
—If misfeeding of your original occurs frequently.
—If a black line, a white line or a dirty pattern appears on your recording paper, on your original, or on the fax document received by the other party.

Caution:
●**Be careful in handling the toner drum unit.**
 See the caution for the drum unit on page 68 for details.
●**Do not use paper products, such as paper towels or tissues, to clean the inside of the unit.**

1 **Disconnect the power cord and the telephone line cord.**
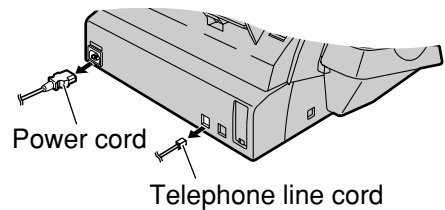
Power cord

Telephone line cord

2 Push the front cover open button then open the front cover.

⚠ **Caution:**
The fuser unit gets hot.
Do not touch it.

Front cover

Front cover open button

Fuser unit

3 Pull down the middle guide while holding the front cover.
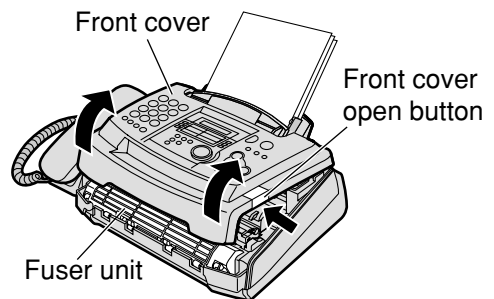
Front cover
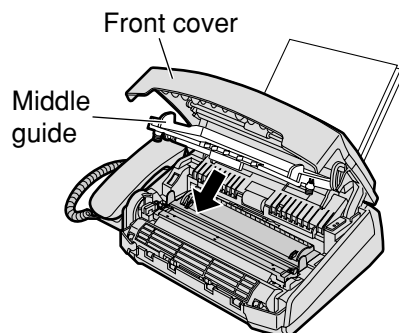
Middle guide

4 Clean the document feeder rollers with a cloth moistened with isopropyl rubbing alcohol, and let all parts dry thoroughly.

Clean the upper glass with a soft, dry cloth.

Upper glass

5 Lift the middle guide firmly.

Document feeder rollers
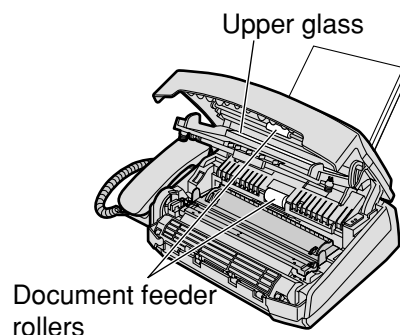
(Continued)

Cleaning

6 Remove the drum and toner unit by holding the two tabs.
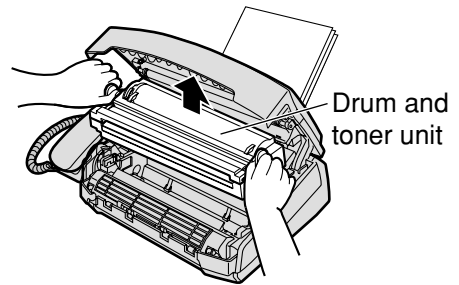
Drum and toner unit

7 Clean the lower glass with a soft, dry cloth.

Lower glass
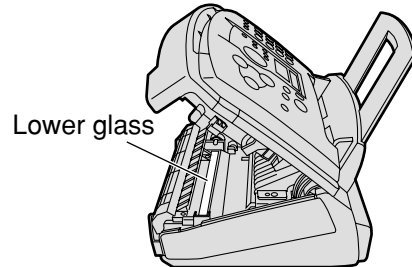
8 Reinstall the drum and toner unit by holding the tabs.
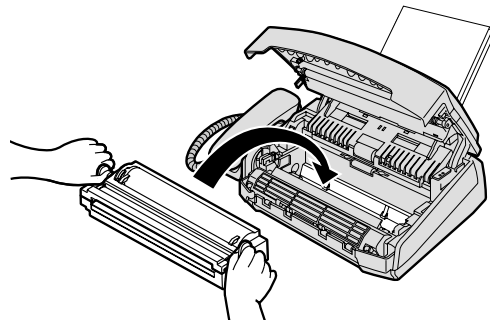
9 Close the front cover, until locked, by pushing down on both sides.

Front cover

10 Reconnect the power cord and the telephone line cord.
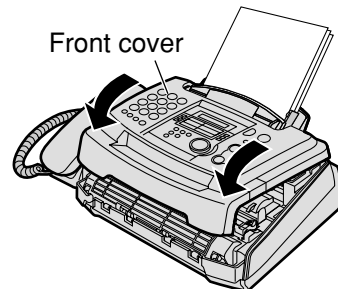
Power cord

Telephone line cord
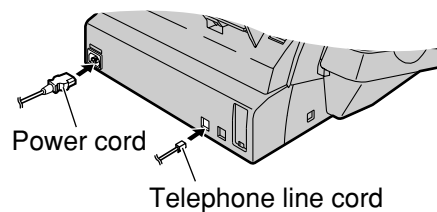
Reference lists and reports

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

Setup list: provides you with the current settings of the basic and advanced programming features (p. 53–59).

Telephone number list: provides you with names and telephone numbers which are stored in ONE-TOUCH DIAL and SPEED DIRECTOR.

Journal report: keeps records of fax transmission and reception. This report will be printed automatically after every 30 fax communications (p. 35).

Broadcast programming list: provides you with items which are stored in the broadcast feature (p. 36).

Printer test list: allows you to check the print quality of your unit. If the test print has a dirty pattern, or blurred points or lines, clean the inside of the unit (p. 73, 74). If printing quality is still poor, replace the toner cartridge and drum unit.

One-touch label card: provides you with names which are stored in the ONE-TOUCH DIAL keys (p. 22). You can put the card in the one-touch dial location.

1 Press **MENU** two times.

Display: | PRINT REPORT |

2 Rotate **SPEED DIRECTOR** until the desired item is displayed.

| SETUP LIST |

| TEL NO. LIST |

| JOURNAL REPORT |

| BROADCAST LIST |

| PRINTER TEST |

| ONE-TOUCH LABEL |

3 Press **SET** to start printing.

| PRINTING |

- To stop printing, press **STOP** .
- After printing, the printed item will be displayed.

4 Press **MENU** .
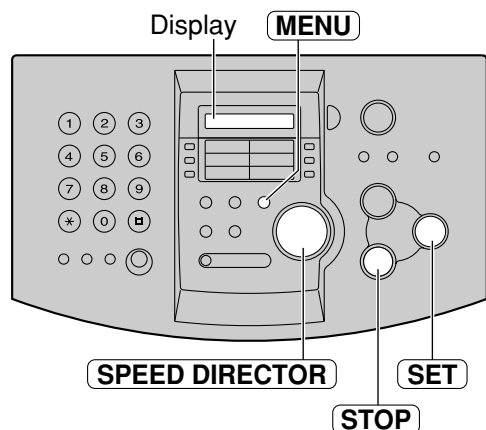
Warranty

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT – LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect for a period as stated below from the date of original purchase.

Facsimile Product – One (1) year, parts and labour

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries, toner cartridge / drum unit and ink / print cartridges are also excluded from coverage under this warranty. Rechargeable batteries are warranted for ninety (90) days from date of original purchase.

This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, EXCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

WARRANTY SERVICE

For product operation and information assistance, please contact your Dealer or our Customer Care Centre at: Telephone #: (905) 624-5505　　　Fax #: (905) 238-2360　　　Web: www.panasonic.ca

For product repairs, please contact one of the following:
- Your Dealer who will inform you of an authorized Servicentre nearest you.
- Our Customer Care Centre at (905) 624-5505 or www.panasonic.ca
- A Panasonic Factory Servicentre listed below:

Richmond, British Columbia	Calgary, Alberta	Mississauga, Ontario	Lachine, Québec
Panasonic Canada Inc. 13131 Bathgate Place Richmond, BC V6V 1Z3 Tel: (604) 278-4211 Fax: (604) 278-5627	Panasonic Canada Inc. 6835-8th St. N. E. Calgary, AB T2E 7H7 Tel: (403) 295-3955 Fax: (403) 274-5493	Panasonic Canada Inc. 5770 Ambler Dr. Mississauga, ON L4W 2T3 Tel: (905) 624-8447 Fax: (905) 238-2418	Panasonic Canada Inc. 3075, rue Louis A. Amos Lachine, QC H8T 1C4 Tel: (514) 633-8684 Fax: (514) 633-8020

CUSTOMER'S RECORD:_____

Customer Name:_____

Model Number:_____ **Serial Number:**_____

Date of Purchase:_____

Dealer's Name:_____

Address:_____ **Phone Number:**_____

IF YOU SHIP THE PRODUCT TO A SERVICENTRE
Carefully pack and send prepaid, adequately insured and preferably in the original carton.
Include details of the defect claimed, and proof of date of original purchase.

Important information

SAFETY PRECAUTIONS
This unit may only be connected to electrical outlets that supply 120 V AC.

NOTICE:
The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operational and safety requirements. The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure, for their own protection, that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

CAUTION:
Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

NOTICE:
The **Ringer Equivalence Number** (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

The Ringer Equivalence of This Unit:
(found on the rear of the unit)

Specifications

Technical data about this product

Applicable Lines:	Public Switched Telephone Network
Document Size:	Max. 216 mm (8½″) in width / Max. 600 mm (23⅝″) in length
Effective Scanning Width:	208 mm (8³⁄₁₆″)
Recording Paper Size:	Letter: 216 mm x 279 mm (8½″ x 11″)
	Legal: 216 mm x 356 mm (8½″ x 14″)
Effective Printing Width:	208 mm (8³⁄₁₆″)
Transmission Time*:	Approx. 8 s/page (ECM-MMR)**
Scanning Density:	Horizontal: 8 pels/mm (203 pels/inch)
	Vertical: 3.85 lines/mm (98 lines/inch) –STANDARD
	7.7 lines/mm (196 lines/inch) –FINE/PHOTO/PHOTO WITH TEXT
	15.4 lines/mm (392 lines/inch) –SUPER FINE
Halftone Level:	64-level
Scanner Type:	Contact Image Sensor (CIS)
Printer Type:	Laser Beam Printer
Data Compression System:	Modified Huffman (MH), Modified READ (MR),
	Modified Modified READ (MMR)
Modem Speed:	14,400 / 12,000 / 9,600 / 7,200 / 4,800 / 2,400 bps; Automatic Fallback
Operating Environment:	10 °C – 32.5 °C (50 °F – 90.5 °F), 20 % – 80 % RH (Relative Humidity)
Dimensions (H x W x D):	190 mm x 417 mm x 345 mm (7½″ x 16⅖″ x 13⅗″)
Weight:	Approx. 6.5 kg (14.3 lb.)
Power Consumption:	Standby: Approx. 5 W
	Transmission: Approx. 25 W
	Reception: Approx. 200 W
	Copy: Approx. 200 W
	Maximum: Approx. 560 W (When the fuser unit turns on)
Power Supply:	120 V AC, 60 Hz
Memory Capacity:	Fax memory: Approx. 120 pages of memory transmission
	Approx. 170 pages of memory reception
	(Based on the ITU-T No. 1 Test Chart in standard resolution.)
Laser diode properties:	Laser output: Max. 5 mW
	Wave length: 760 nm – 800 nm
	Emission duration: Continuous
Print Speed:	10 ppm (pages per minute)
Printing Resolution:	600 x 600 dpi

* Transmission speed depends upon the contents of the pages, resolution, telephone line conditions and capability of the other party's machine.

** Transmission speed is based upon the ITU-T No. 1 Test Chart and original mode.
If the capability of the other party's machine is inferior to your unit, the transmission time may be longer.

ITU-T No. 1 Test Chart
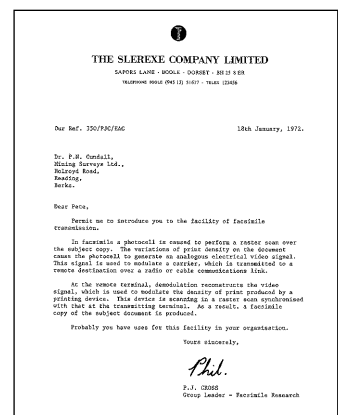
Toner life

Model No. KX-FA76A toner cartridge can print approx. 2,000 sheets of letter size paper with a 5% image area. Toner life depends on the amount of content in a received, copied or printed document. The following is the approximate relationship between image area and toner life for Model No. KX-FA76A toner cartridge. Toner life varies in actual usage.

5% image area	10% image area	15% image area

Toner life for KX-FA76A

Note:
- The image area changes with the depth, thickness and size of the characters.
- If you change the toner save setting to on, the toner cartridge will last approx. 40% longer.

Drum life

The included drum unit or Model No. KX-FA77A can print approx. 6,000 sheets of letter size paper regardless of the content of the image area.

Note:
- Any details given in these instructions are subject to change without notice.
- The pictures and illustrations in these instructions may vary slightly from the actual product.

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Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3
www.panasonic.ca

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