

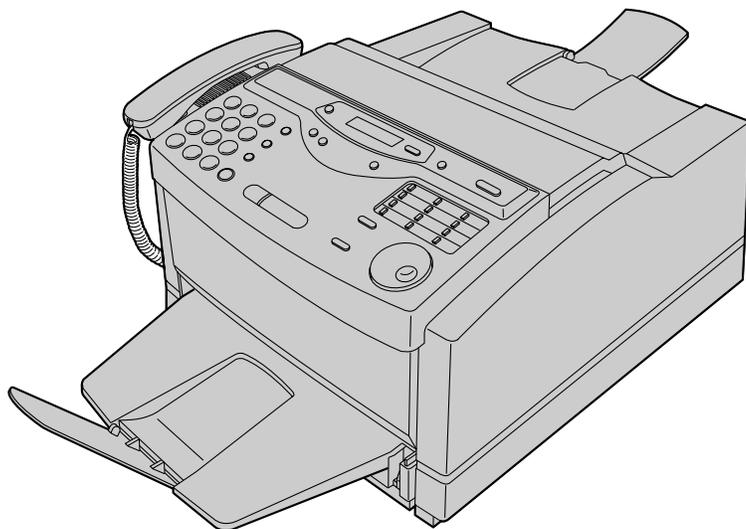
Panasonic

Multi-Function
Laser FAX

Model No.

KX-FLM600

OPERATING INSTRUCTIONS



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

**FOR OPERATION ASSISTANCE,
CALL 1-800-HELP-FAX (1-800-435-7329)
OR SEND A FAX TO 1-215-741-6376.**

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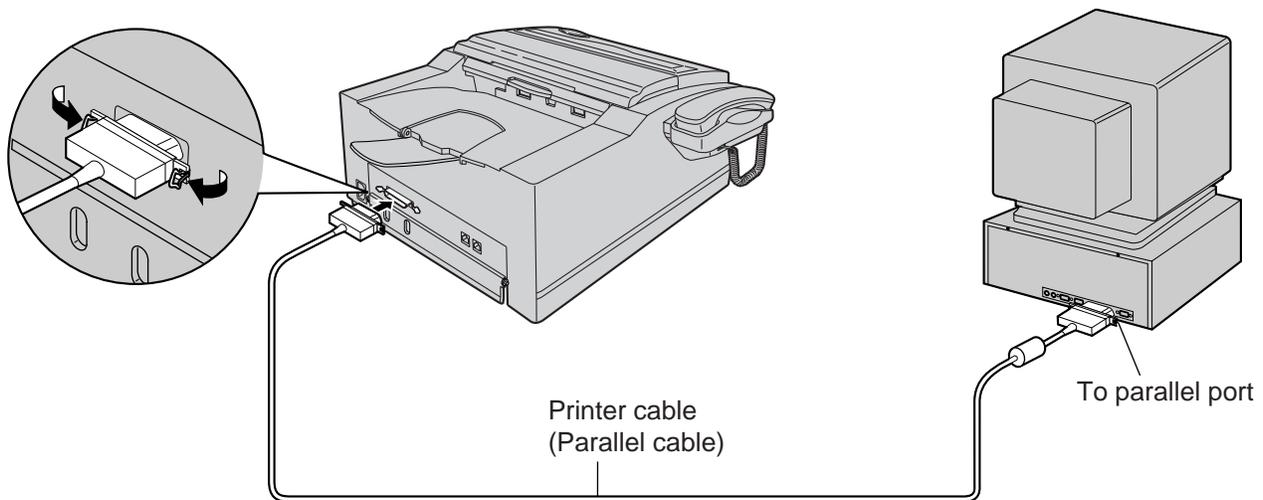
Connecting to a computer

To run the Panasonic Multi-Function software (PANA LINK), you need the following software and hardware.

CPU:	An IBM compatible personal computer with a 486 or higher processor (Pentium is recommended.)
Basic Software:	Microsoft® Windows® 95 or Windows 98 (Windows 3.1/3.11*—printer driver only)
Memory Minimum:	16 MB (32 MB or more is recommended)
Hard disk:	More than 40 MB available space
Other:	Parallel port Panasonic Multi-Function fax machine

*Microsoft Windows operating system Version 3.1/3.11 (hereafter Windows 3.1/3.11)

Connect your personal computer to the fax machine as follows:



Caution:

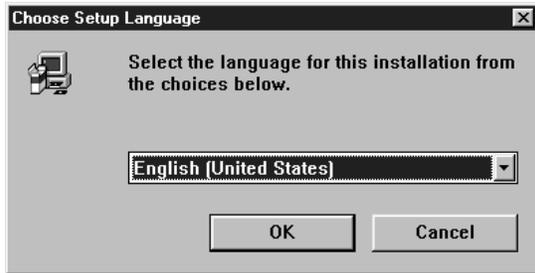
- When connecting the fax machine to your computer, use the included printer cable for reliable data communications and compliance with FCC rules.
- Do not connect the printer cable to the serial port on the computer. This may cause damage to your fax machine and computer.

Installing the PANA LINK software

1 Start Windows 95 or Windows 98 and close all applications.

2 Insert the included CD into your CD-ROM drive.

- The language dialog box will appear. Select the desired language that you use with this software. Then click **OK**.



- If the language dialog box does not appear: The installation will automatically start.
- If the language dialog box does not appear and the installation does not start automatically: Click **Start**, choose **Run...**. Type "**d:\setup**" (where **d**: is the drive letter of your CD-ROM drive). Click **OK**. (If you are not sure what the drive letter is for your CD-ROM drive, please use Windows Explorer and look for the CD-ROM drive.)



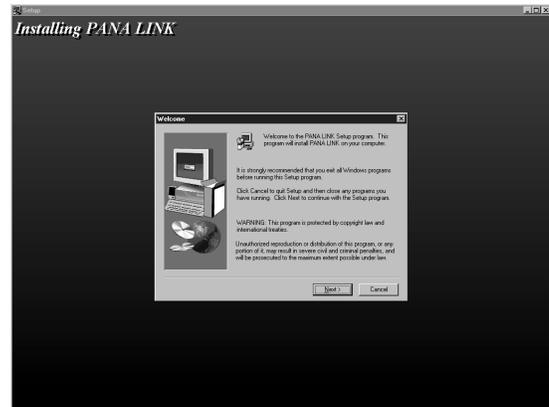
Note:

- For detailed instructions on PANA LINK software, use the Help function.
- The screens shown in these instructions are from Windows 95.

Windows 3.1 or 3.11 users:

- If you are using Windows 3.1 or 3.11, follow these steps to install the software.
 1. From the Program Manager, click **File**, choose **Run...**
 2. Type "**d:\setup**" (where **d**: is the drive letter of your CD-ROM drive).
 3. Click **OK**.
- The printer driver only is available. Please read the README file (README.WRI) on the CD-ROM for more information.

3 The installation will automatically start.



4 Follow the instructions on the screen until all files have been installed.

5 Be sure to read a README file for more information.

- The README file contains the following information:
 1. Install/uninstall PANA LINK for Windows 95/98.
 2. Install/uninstall KX-FLM600/650 for Windows 3.1.
 3. Print and Scan from Windows 3.1.
 4. How to feed recording paper manually.
 5. How to use Help.
 6. Acrobat Reader.
 7. ECP Problems.

• The display illustrations may differ slightly from the display of the actual product.
 • The display details are subject to change without notice for improvement.

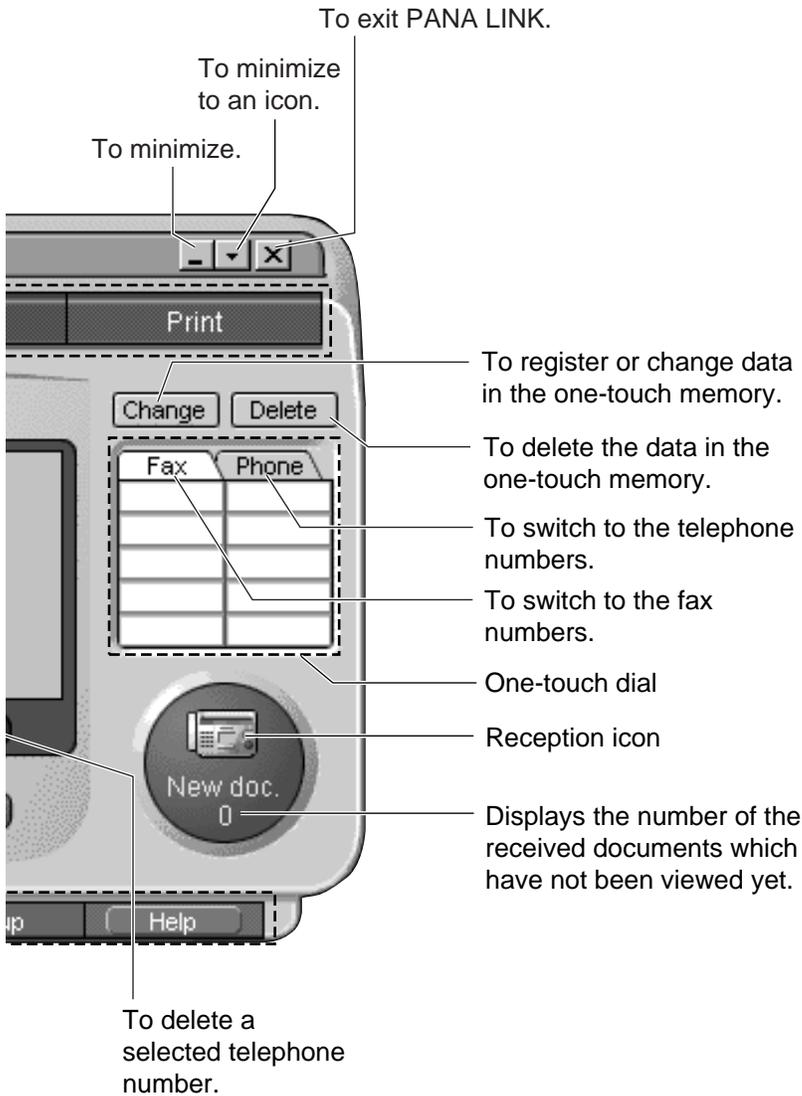
Activating the PANA LINK software

- 1 Click **Start**.
- 2 Point to **Programs**, point to PANA LINK and click **PANA LINK**.
 - The PANA LINK main panel will appear.

Send a fax To send a file created on the PC.	Scan To create an image file by scanning the document set in the fax machine.	Copy To make a copy of the document set in the fax machine.	Print To print a file created on the PC.
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The diagram shows a Panasonic fax machine control panel. At the top, there are four large buttons: "Send a fax", "Scan", "Copy", and "Print". Below these is a display screen showing "Panasonic" and "1/1/99 12:19 PM". Below the screen are "Back space" and "Clear" buttons. Below those are "STOP" and "START" buttons. At the bottom of the panel are "Add. book", "Comtn. Log", "Viewer", and "Setup" buttons. A dial keypad is on the left side, with a "DIAL" button below it. A "Redial" button is located below the keypad, and a "Pause" button is to its right. A "Display" label points to the screen area. A "Dial keypad" label points to the numeric keypad. A "To make a phone call." label points to the "DIAL" button. A "To delete one figure of a telephone number." label points to the "Back space" button. A "To stop fax transmission or reception." label points to the "STOP" button. A "To start fax transmission or reception." label points to the "START" button.

Redial To redial the last number dialed.	Pause To insert (a) pause(s) in the telephone number.	Add. book To store and view information in your address book.	Comtn. Log To display the record of transmitted/received facsimile documents and manage the documents waiting to be sent.
Viewer To display an image sent or received with PANA LINK.	Setup To set PANA LINK options.	Help For detailed instructions on PANA LINK software.	(Empty cell)



Setting up PANA LINK

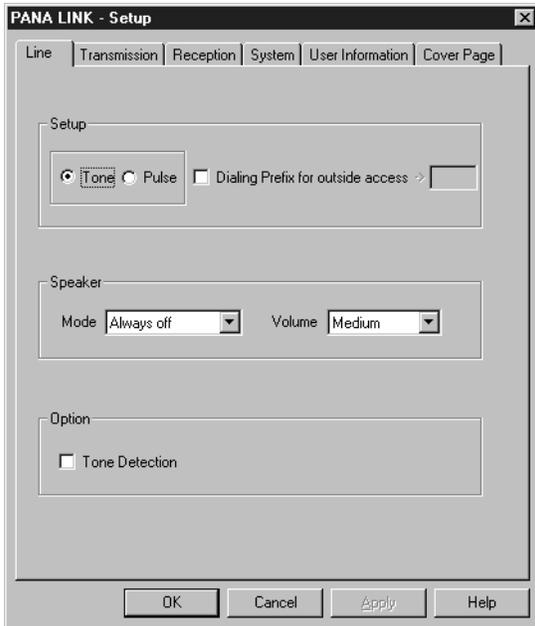
The items which can be set are the Line, Transmission, Reception, System, User Information and Cover Page.

- 1 Open the **PANA LINK** main panel.



- 2 Click **Setup** in the main panel.

- The Setup dialog box will be displayed.



- 3 Change the set value in the Setup dialog box.
 - To change the value without closing the window, press **Apply**.

- 4 Click **OK**.

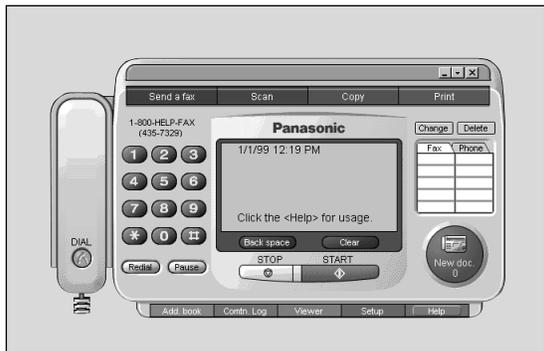
Note:

- For further details, use the Help function.

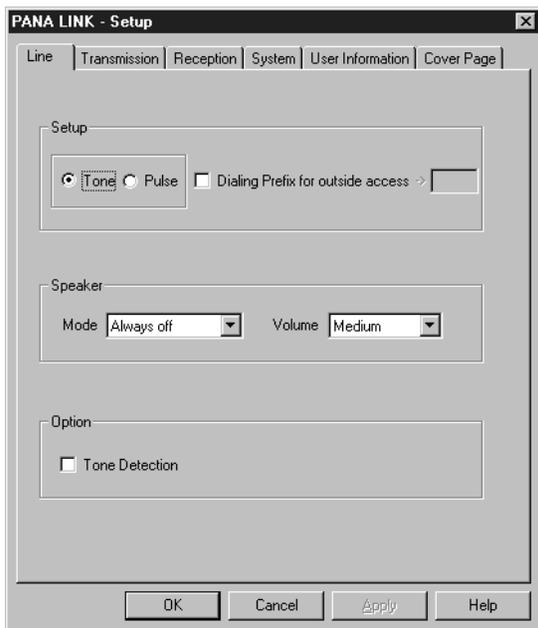
Setting user information

The information set here is used on your cover page and the header that prints on the top of each page you send from the PC.

- 1 Open the **PANA LINK** main panel.

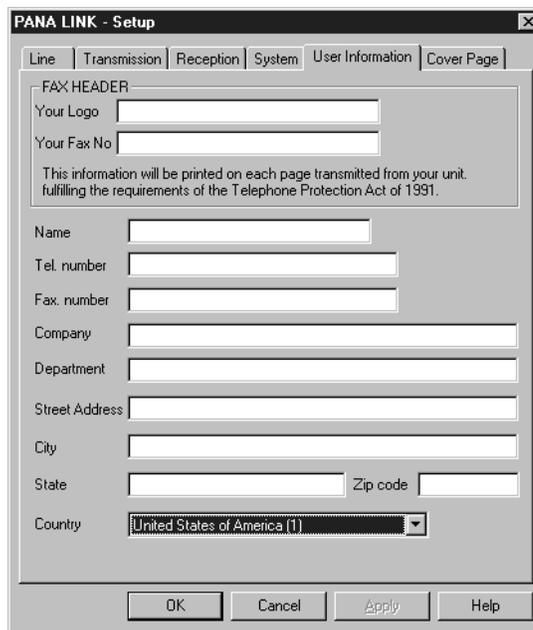


- 2 Click **Setup** in the main panel.
 - The Setup dialog box will be displayed.



- 3 Click **User Information**.

- The User Information dialog box will be displayed.



- 4 Enter your information for each item.

- 5 Click **OK**.

Printing documents created on the PC

You can print documents created from a Windows application.

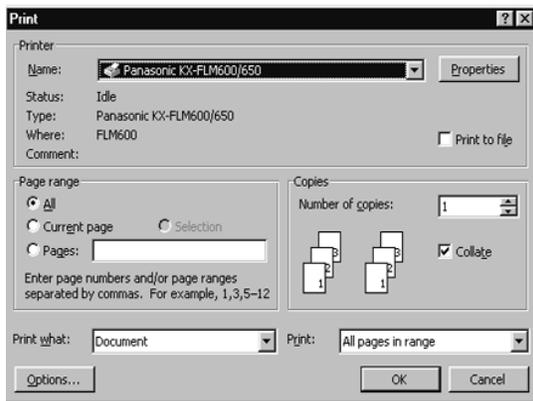
Select Panasonic Fax Machine “**Panasonic KX-FLM600/650**” as the active printer.

Printing from Windows applications

For example, to print from Microsoft Word, proceed as follows.

1 Open the document you want to print.

2 Select **Print** from the File menu.
•The Print dialog box will appear.



3 Select “**Panasonic KX-FLM600/650**” as the active printer.
•If you want to change the printer setting, click **Properties**. The printer setup dialog box will appear.
You can change the following settings; Resolution, Orientation, Paper Source, Copies and Paper Size.
For details, see page 12.

4 Set the Page range and enter the number of copies.

5 Click **OK** in the Print dialog box.
•The unit will start printing.

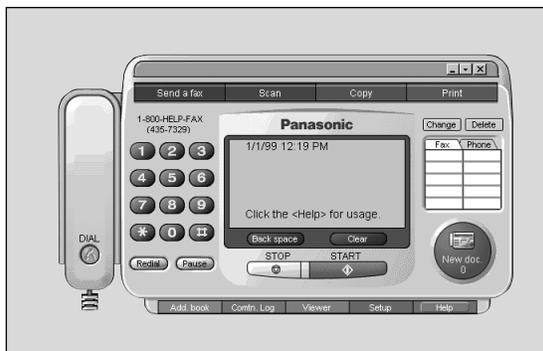
Note:

•For details about the printer driver, use the Help function.

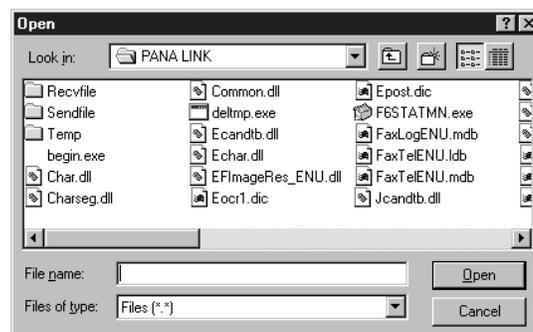
Printing a selected file

You can print a specific file created with an application.

- 1 Open the **PANA LINK** main panel.



- 2 Click **Print** in the main panel.
 - The Open dialog box will appear.

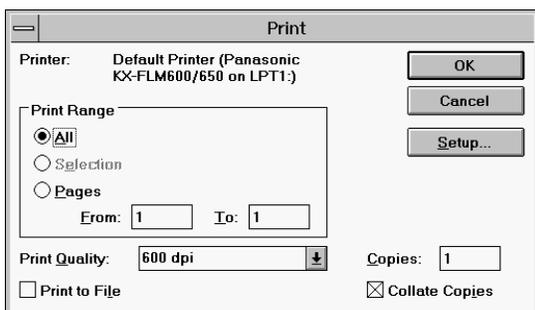


- 3 Select the file you want to print.
- 4 Click **Open** in the Open dialog box.
 - The unit will start printing.
 - If an application which creates the file starts, follow the instructions for the application to print the file.

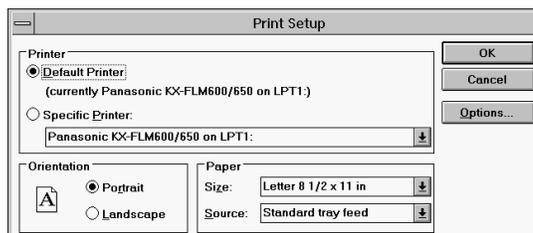
Printing from Windows 3.1

You can print the documents from the Windows 3.1 applications. For example, to print from Write, use the Print command from the File menu.

- 1 Open the document you want to print.
- 2 Select Print from the File menu.
 - The Print dialog box appears.



- 3 Click the Setup button.
 - The Print Setup dialog box appears.

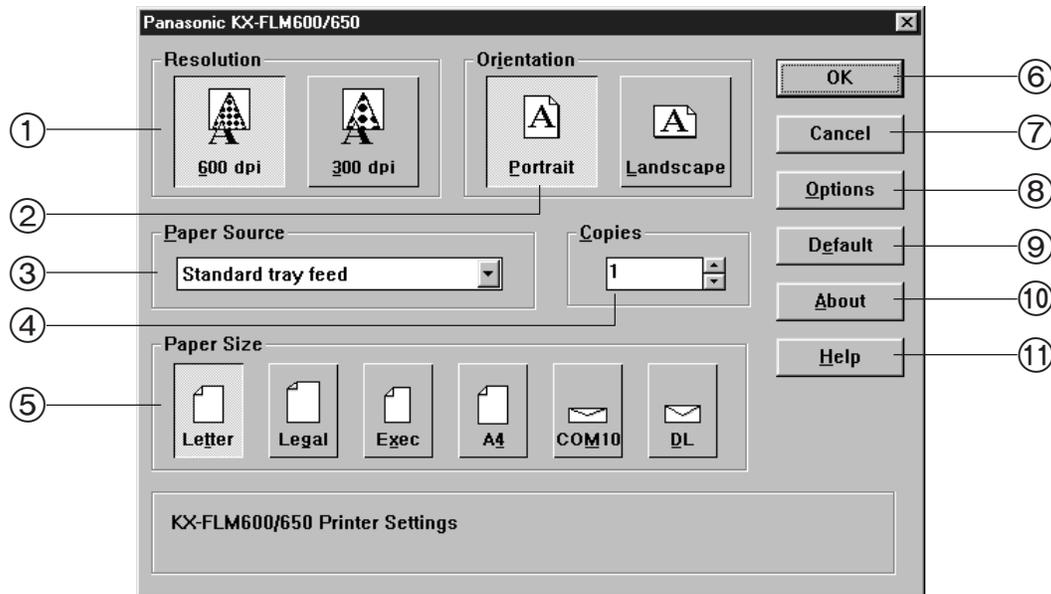


- 4 By clicking Options in the Print Setup dialog box, the Panasonic KX-FLM 600/650 dialog box appears. You can change the printer settings: Grayscale Settings, Graphics Options, Toner Save and Halftoned Text.
- 5 Click the OK button.
 - The Print dialog box appears again.
- 6 Set the Print Range and the Copies.
- 6 Click the OK button.
 - Starts printing.

Printer

Setting up the printer driver

Panasonic KX-FLM600/650 dialog box

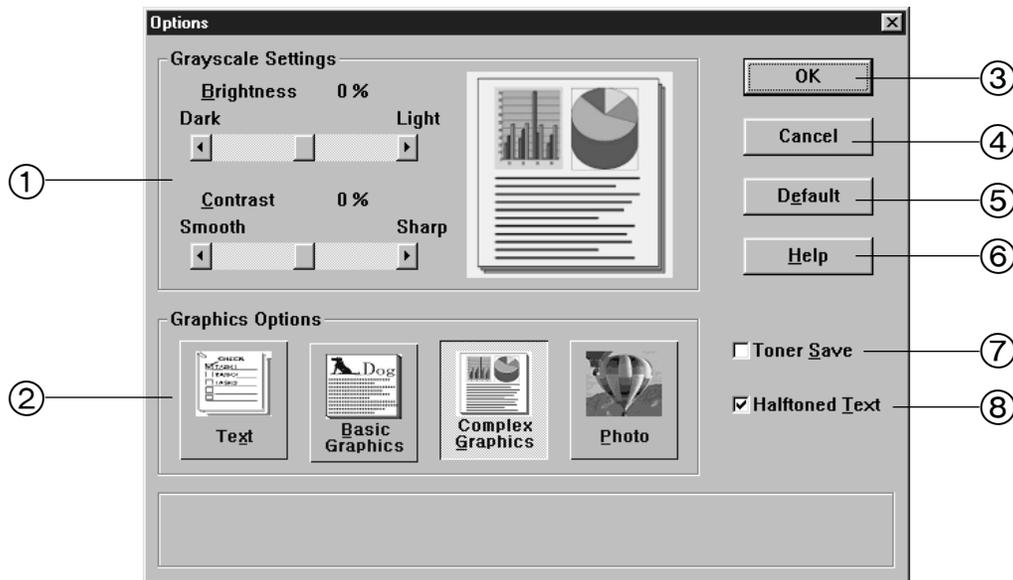


- ① **Resolution:** Choose print quality
600dpi: Use this setting to print documents with 600 dpi quality. Print speed may be slow.
300dpi: Use this setting to print documents with 300 dpi quality. (When choosing this, you cannot change “Graphics Options” in the Options dialog box.)
- ② **Orientation:** Click these buttons to set the print orientation.
Portrait: Use this setting to print in tall format.
Landscape: Use this setting to print in wide format.
- ③ **Paper Source:** You can set how to feed paper. Choose the follow options from the Paper Source Setting drop down list box.
Standard tray feed: When selecting this option, you can not select Exec, COM-10 and DL in the Paper Size.
Manual sheet feed: When selecting this option, you must feed paper into the unit by hand, one sheet at a time
- ④ **Copies:** Use this setting to make multiple copies of the same document. Enter the number of copies (up to 250) to be printed.
- ⑤ **Paper Size:** You can set the paper size. To choose the paper size, click the follow buttons.
Letter: Standard US paper size [8.5 x 11in.]
Set the recording paper size to “Letter” on the unit
Legal: US legal-sized paper size [8.5 x 14in.]
Set the recording paper size to “Legal” on the unit
Exec: US executive paper size [7.25 x 10.5 in.]
A4: Standard European paper size [210 x 297 mm]
Set the recording paper size to “A4” on the unit
COM10: Standard US envelope size [4.125 x 9.5 in.]
DL: Standard European envelope size [220 x 110 mm]
- ⑥ **OK:** All options you changed are saved, and then close the dialog.

- ⑦ **Cancel:** Cancel the option setting operation for KX-FLM600/650, then close the dialog.
- ⑧ **Options:** The Options dialog box appears. You can set further details.
- ⑨ **Default:** Back to the default settings.
- ⑩ **About:** Display the version information of KX-FLM600/650.
- ⑪ **Help:** Display help.

Options dialog box

When clicking the Options button in the Panasonic KX-FLM600/650 dialog box, the Options dialog box appears.



- ① **Grayscale Settings:** Adjust contrast and brightness of the printing image.
Brightness: Use this setting to make the printed image lighter or darker overall.
Contrast: Use this setting to control the range of difference between the light and dark areas of the pictures.

Note:

- The Brightness/Contrast settings may not change the print result in some cases. (For example, a text-only document.)

- ② **Graphic Options:** Choose one of the following options depending on an original document type or the purpose to print.

- Text:** Use this setting when the document is mostly text.
- Basic Graphics:** use this setting to print simple charts and graphics.
- Complex Graphics:** Use this setting to print detailed line art.
- Photo:** Use this setting to print shaded images.

Note:

- When setting the Resolution at 300dpi, you can not change "Graphics Options".

- ③ **OK:** All options you changed are saved, and then close the dialog box.
- ④ **Cancel:** Cancel the option setting operation for KX-FLM600/650, then close the dialog box.
- ⑤ **Default:** Back to the default settings.
- ⑥ **Help:** Display help.
- ⑦ **Toner Save:** Use this setting to use less toner. Shaded areas will be lighter.
- ⑧ **Halftoned Text:** Use this setting to print color texts as gray.

Printing using the paper tray (manual feeding)

Using the printing manual feed, you can print on media other than letter or legal size plain paper.

Media you can print on

Media size

Media	Size	Dimension
Paper	Letter	216 mm × 279 mm (8½" × 11")
	Legal	216 mm × 356 mm (8½" × 14")
	A4	210 mm × 297 mm
	Executive	184 mm × 267 mm (7¼" × 10½")
Transparency	Letter	216 mm × 279 mm (8½" × 11")
	A4	210 mm × 297 mm
Envelope	COM10	105 mm × 241 mm (4⅛" × 9½")
	DL	220 mm × 110 mm

Paper weight

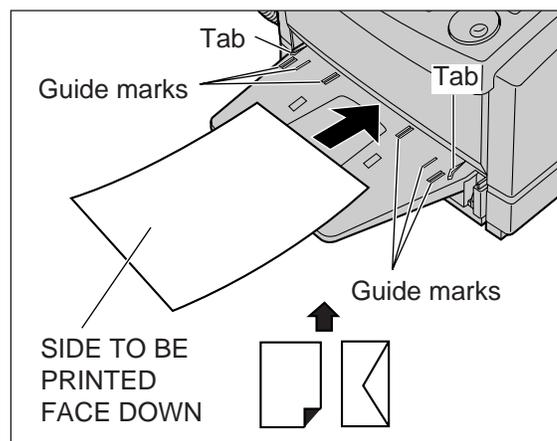
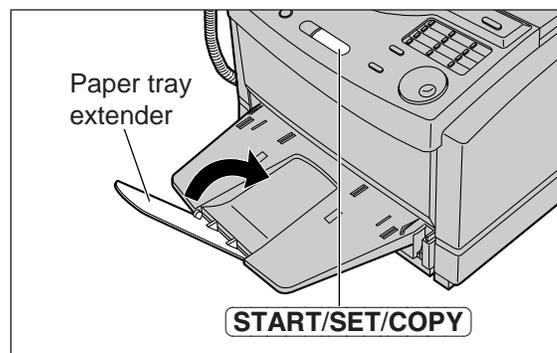
60 g/m² to 105 g/m²
(16 lb. to 28 lb.)

Loading a sheet manually

Important:

- You cannot load two or more sheets at one time.

- 1 Close the paper tray extender.
- 2 Press **START/SET/COPY** and confirm the following message.
Display:
- 3 Place a sheet on the paper tray with printing side face down and align the edge of the sheet to the guide marks.
 - The sheet should not exceed the tabs on both ends of the paper tray.
- 4 Slide the sheet into the unit until it is stops.
 - A few seconds later, the unit will feed the sheet.
- 5 To print, change the Paper Source setting in the printer setup dialog box to Manual Sheet Feed (p. 12).



Note:

- Manual feeding is not available for receiving or copying documents.
- Do not load a sheet while the unit displays the following message.

Display:

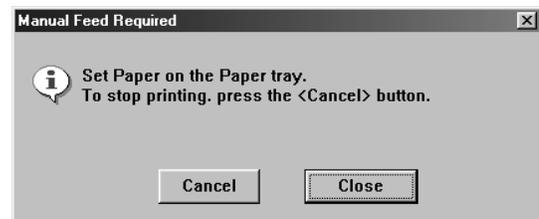
- If you load another paper on the paper tray when the fax machine is feeding the paper, a paper jam may occur. When you print two or more sheets, place a next sheet one by one after confirming the message indicating to insert a sheet on your PC.
- If printing is not performed for 20 minutes after loading a sheet on the paper tray, the sheet will automatically be ejected.
- Please read a README file (README.WRI) in the CD-ROM for more information.

Printing from Windows application

You can feed recording paper manually to print. The procedures are as follows.

- 1 Open the file you want to print on your computer.
- 2 Select **Print** from the File menu.
 - The Print dialog box appears.
- 3 Click **Properties**.
 - The Panasonic KX-FLM 600/650 dialog box appears.
- 4 Select **Manual sheet feed** from the Paper Source drop-down list box, and then click **OK**.
 - The Print dialog box appears again. If necessary, set the Page Range and the Number of Copies.
- 5 Press **START/SET/COPY** on the fax machine and confirm the LCD message "READY TO PRINT".
- 6 Place a sheet on the paper tray with facing the printing side down (p. 12).
 - You can feed recording paper only one by one.
- 7 Click **OK**.
 - The fax machine will start printing.

- 8 The Manual Feed Required dialog box appears when printing of each page is completed.



- If you want to cancel printing, click **Cancel**.
- If you want to continue to print:
 - A. Place a sheet on the paper tray again.
 - B. Click **Close**.
The Manual Feed Required dialog box disappears. Start printing the next page.

*Even without clicking the Close button, printing is started automatically in a few seconds after a sheet is placed on the tray.

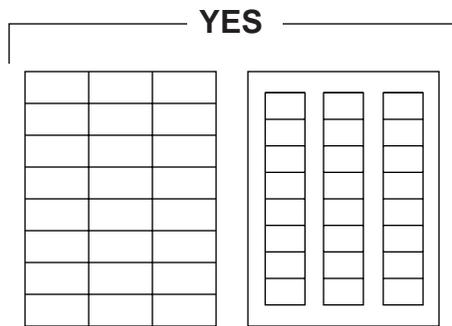
Transparencies and labels

You may also print on labels and transparencies that are made for the printer. Panasonic has tested and found that the following work satisfactorily.

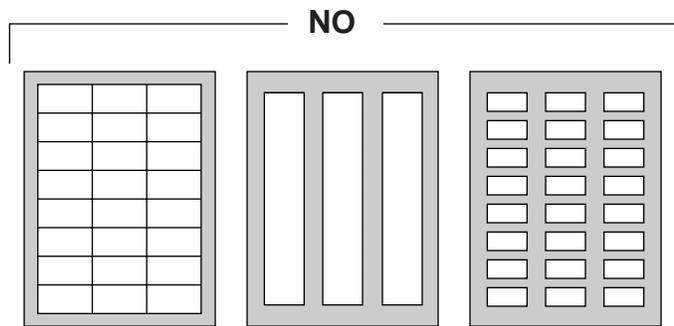
Transparencies	3M CG3300, 3M CG5000
Labels	Avery 5160, Avery 5161, Avery 5162 Avery 5163, Avery 5164, Avery 5165, Avery 5167, Avery 5168 Xerox LWH100, Xerox LWH110, Xerox LWH120 Xerox LWH130, Xerox LWH140

Note:

- With any label, the labels must completely cover the backing material (see below).
- Re-using transparencies that have been fed through the printer once (for example, after jams or if the transparency is ejected without being printed) can reduce the life of the consumables and paper path components.
- Some types of paper, especially transparencies are made to print on a specific side. If the print quality is poor, try printing on the other side.



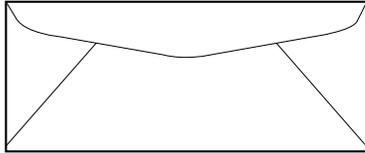
Labels cover the entire backing material.



The backing material is exposed.

Envelope specifications

We recommend that you purchase only high quality envelopes with diagonal seams, as shown in the diagram below:



High quality envelopes have the following characteristics:

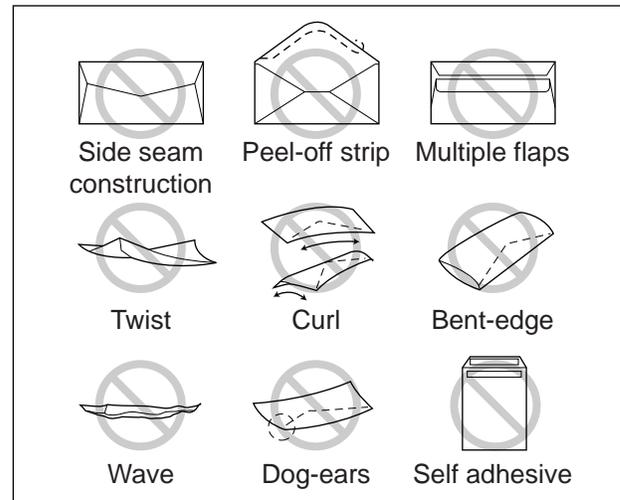
- A thin, sharply creased leading edge
- Paper weight of 90 g/m² (24 lb.)
- Flat, free of curls, wrinkles, nicks, etc.

Note:

- Wrinkles may occur in some cases, even if high quality envelopes are used.

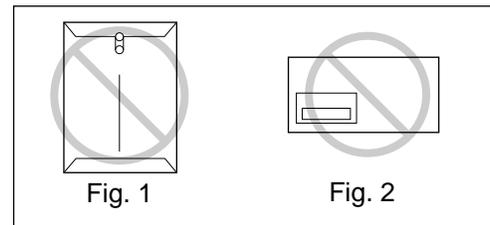
We recommend that you do not use envelopes with any of the following characteristics (using these may result in paper jams):

- Irregularly shaped envelopes
- Envelopes with curls, wrinkles, nicks, twists, dog-ears or other damage
- Envelopes with side seam construction
- Highly textured envelopes, or with extremely shiny surfaces
- Envelopes that seal by removing a peel-off strip
- Envelopes with more than one flap to be sealed
- Self-adhesive envelopes
- Envelopes that are baggy or not sharply creased
- Embossed envelopes
- Envelopes that have previously been printed on



Do not attempt to print on any of the following types of envelopes (these may cause damage to your printer):

- Envelopes with clasps, snaps or tie strings (see Fig. 1)
- Envelopes with transparent windows (see Fig. 2)
- Envelopes that will melt, discolor, scorch, offset or release hazardous emissions when exposed to 200 °C (392 °F) for 0.1 second
- Envelopes that use encapsulated types of adhesive that do not require moistening but rely on pressure to seal them



Always test a sample of the envelopes you are thinking of buying. Confirm that the envelope performs acceptably.

For best printing results

- Avoid printing in high humidity i.e., above 70 %.
High humidity may cause the envelope to curl and pick up excess toner.
High humidity may also cause the envelope to seal.
- Avoid printing below 10 °C (50 °F) with less than 30 % relative humidity.
Low temperature with low humidity may cause light printing.
- Print only one envelope at a time.

Envelope storage is very important. Store them away from moisture and humidity, where they can lay flat and their edges will not be bent or damaged. The humidity should not exceed 70 % RH.

Sending documents created on the PC

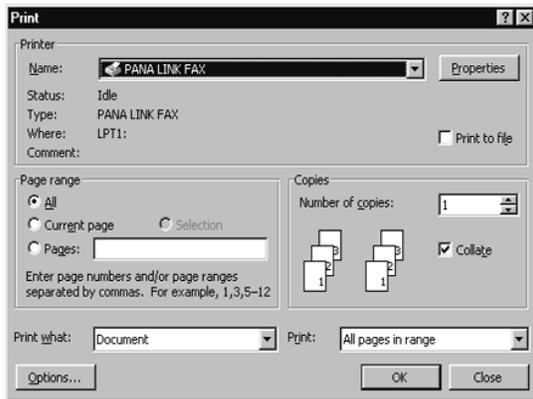
Sending a document created by an application as a fax message

You can access the fax function from a Windows application by using the Print command in the File menu. Select **PANA LINK FAX** as the active printer.

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

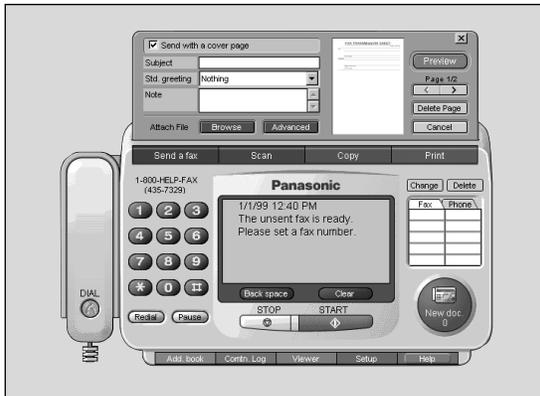
1 Open the document you want to send.

2 Select **Print** from the **File** menu.
•The Print dialog box will appear.



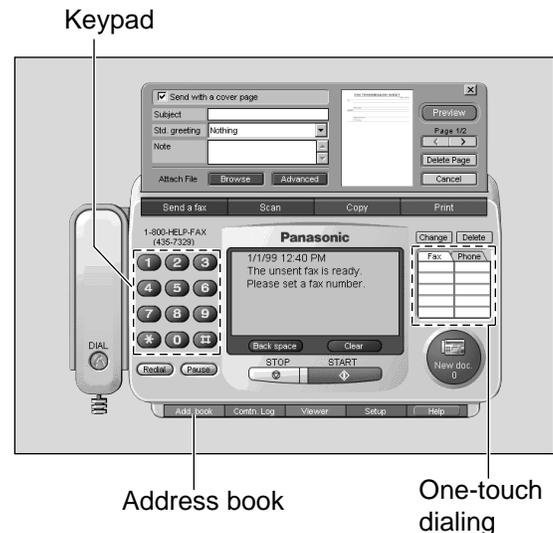
3 Select **PANA LINK FAX** as the active printer.

4 Click **OK** in the Print dialog box.
•If the PANA LINK application has not started yet, it will start now, and then one item is added to it as the transmission document.



5 Set the fax number you want to send the document to.

- To set the telephone number, you can use the keypad, one-touch dialing or the address book.



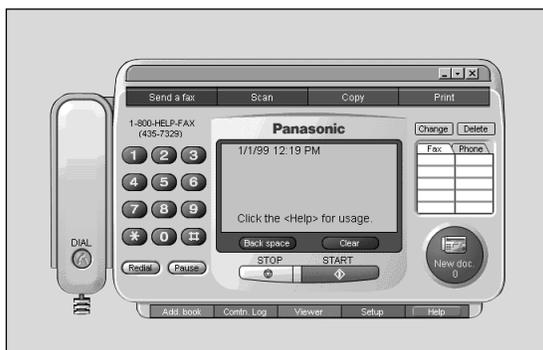
6 Click **START** in the main panel.
•The document will be sent.

Note:

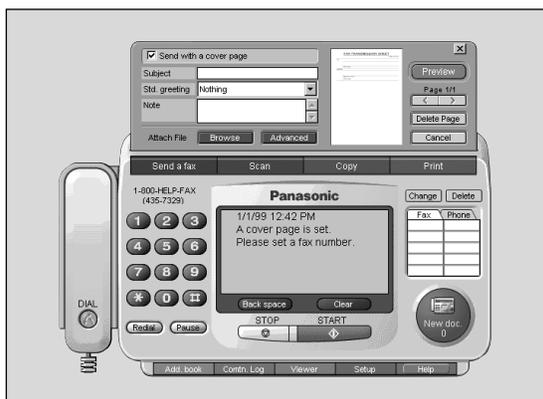
- If the line is busy or there is no answer, the PANA LINK Fax will automatically redial the number up to 5 times.
- To cancel transmission after dialing, click **STOP** in the main panel or press **STOP** on the fax machine.
- If you send a fax using a PC, the FaxSav service cannot be used.

Sending a file from the PANA LINK window

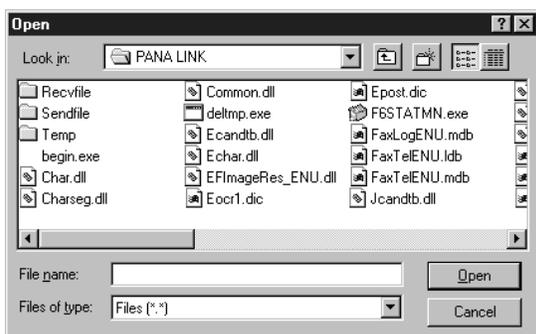
- 1 Open the **PANA LINK** main panel.



- 2 Click **Send a fax** in the main panel.
 - The Send fax panel will be displayed.

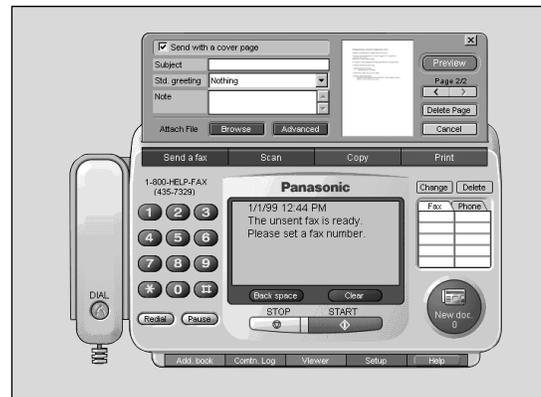


- 3 Click **Browse** in the Send fax panel.
 - The Open file dialog box will be displayed.



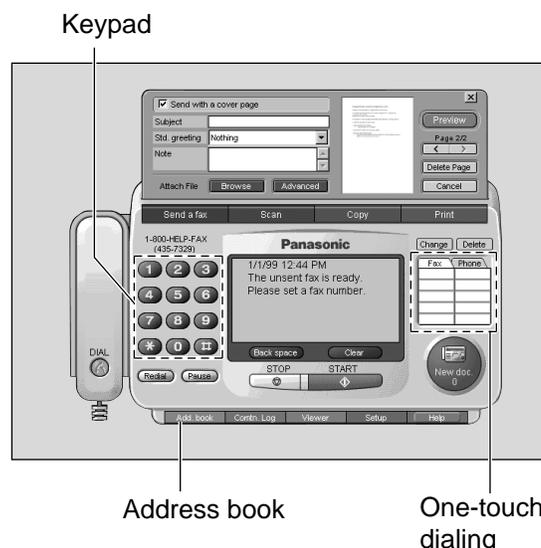
- 4 Select a file you want to send, and then click **Open**.

- An image of the file will be displayed in the preview window.



- 5 Set the fax number which you are going to send the file to.

- To set the telephone number, you can use the keypad, one-touch dialing or the address book.



- 6 Click **START** in the main panel.

- The document will be sent.
- If an application which creates the file starts, follow the instructions for the application to send the file.

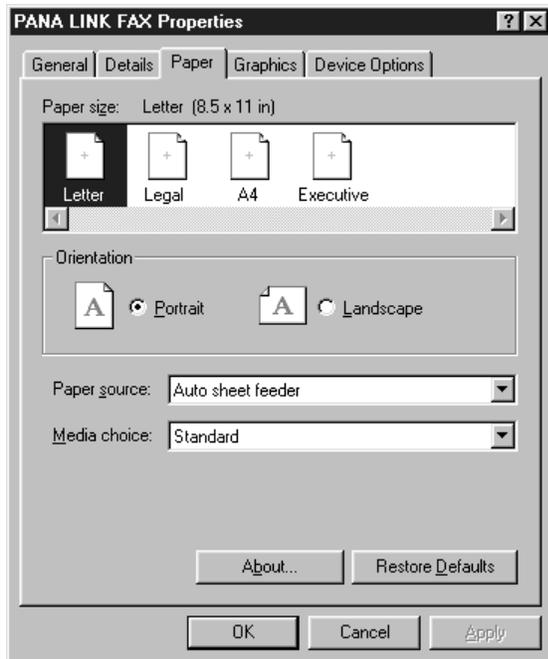
Note:

- If the line is busy or there is no answer, the PANA LINK Fax will automatically redial the number up to 5 times.
- To cancel transmission after dialing, click **STOP** in the main panel or press **STOP** on the fax machine.
- If you send a fax using a PC, the FaxSav service cannot be used.

The PANA LINK FAX Properties dialog box

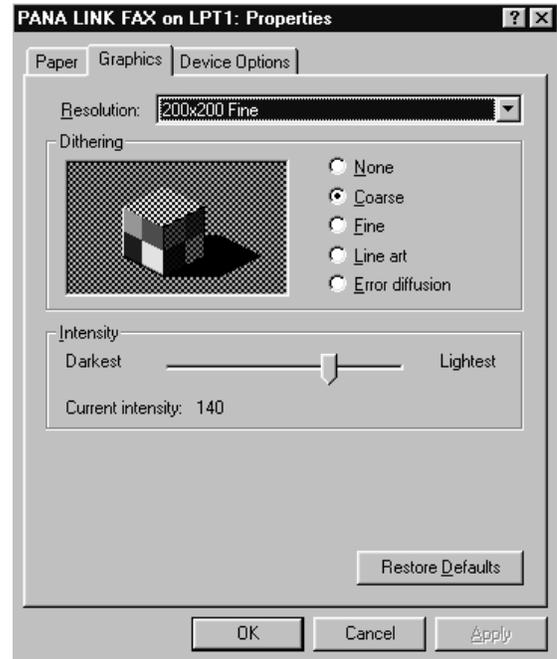
This dialog box has three tabs as follows.

Paper tab



- ① **Paper size:** You can set the paper size. To choose the paper size, click the follow buttons.
Letter: Standard US paper size [8.5 x 11 in.]
Legal: US legal-sized paper size [8.5 x 14 in.]
Exec: US executive paper size [7.25 x 10.5 in.]
A4: Standard European paper size [210 x 297 mm]
- ② **Orientation:** Click these buttons to set the print orientation.
Portrait: Use this setting to print in tall format.
Landscape: Use this setting to print in wide format.
- ③ **Paper source:** You cannot change the Paper source.
- ④ **Media choice:** You cannot change the Media choice.

Graphics tab



- ① **Resolution**
Specifies the resolution you want for graphic images. Generally, higher resolution settings produce higher quality printing; however, your documents may take longer to print. Select the desired resolution according to the type of document.
Standard (200 x 100dpi)
Fine (200 x 200dpi)
Super Fine (200 x 400dpi)
- ② **Dithering**
Specifies the type of dithering used in printing. For color printing, dithering blends pure colors into patterns to simulate a wider range of colors. For example, orange is produced by blending red and yellow. For non-color printing, dithering produces gray shading in graphics.
None: click this if you do not want any dithering.
Coarse: click this if your resolution setting is 300 dpi or higher.
Fine: click this if your resolution setting is 200dpi or less.
Line Art: click this if your graphics include well-defined borders between black, white and gray shadings.

Device Options tab



Error

Diffusion: click this for printing photographs or pictures that do not have sharp, well-defined edges.

③ Intensity

Specifies how dark to print graphics in your document.

① Print quality

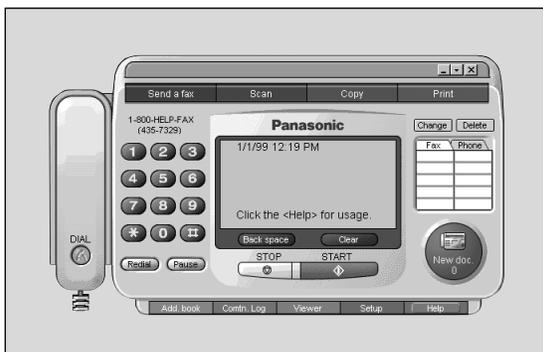
Specifies the text quality you want to use for your printed document.

Sending a document from the fax machine using the PC

- 1 Place the document on the fax machine.



- 2 Open the **PANA LINK** main panel.



- 3 Set the fax number you want to send the document to in the main panel.

- To set the telephone number, you can use the keypad, one-touch dialing or the address book.

Keypad

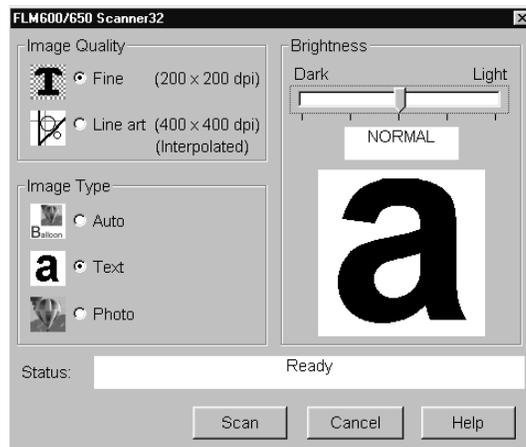


Address book

One-touch dialing

- 4 Click **START**.

- A dialog box to set the image quality, type and brightness will be displayed.



- 5 Set the image quality, type and brightness, and then click **Scan**.

Note:

- To cancel transmission after dialing, press **STOP** on the fax machine.
- If you send a fax using a PC, the FaxSav service cannot be used.

Receiving faxes on your PC

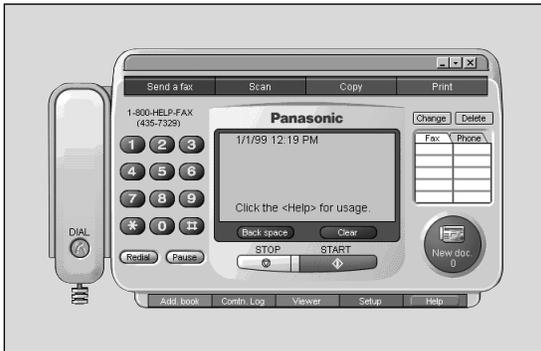
You can receive a fax on the computer.

The received facsimile document is saved as an image file (TIFF-G4 format), and which you can view, print or send again.

To receive manually

You can receive manually during a telephone conversation.

- 1 Open the **PANA LINK** main panel.

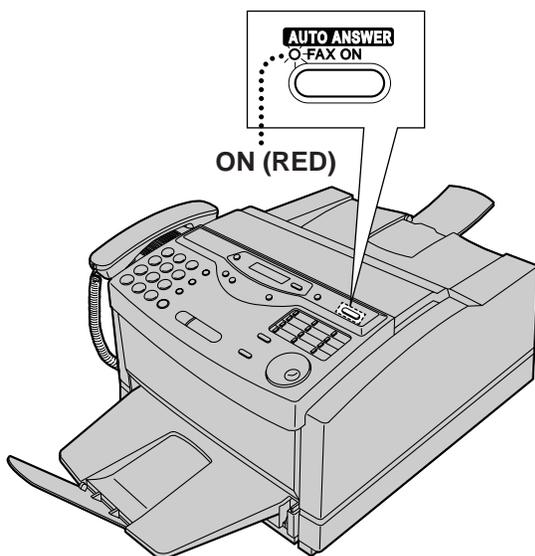


- 2 Click **START** in the main panel.

To receive automatically

You can receive faxes to your PC automatically.

- 1 Set the fax machine to the **AUTO ANSWER** mode by pressing **AUTO ANSWER**.



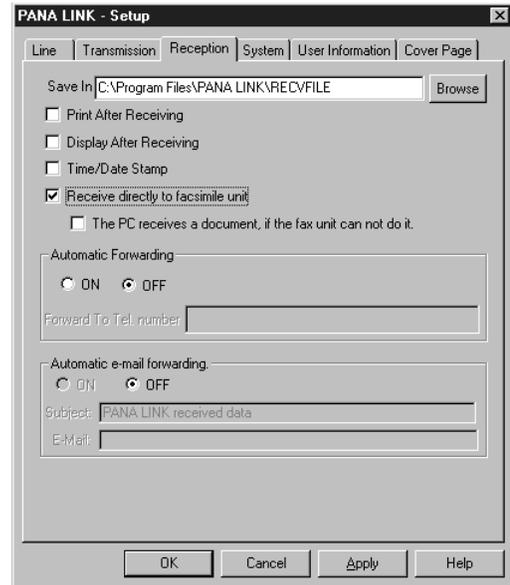
- 2 Open or minimize the **PANA LINK** main panel.

PC Receiving

To receive directly to the fax machine

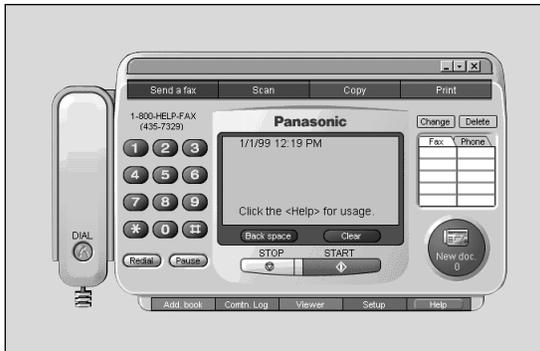
If you do not want to be disturbed by incoming faxes when using the PC, but want to receive faxes directly to your facsimile machine, follow these steps.

1. Click **Setup** in the main panel.
 - The Setup dialog box will appear.
2. Click the **Reception** tab in the dialog box.
3. Click "Receive directly to facsimile unit".
4. Click **OK**.

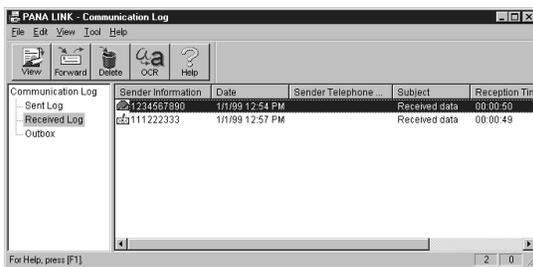


Confirming the result of reception

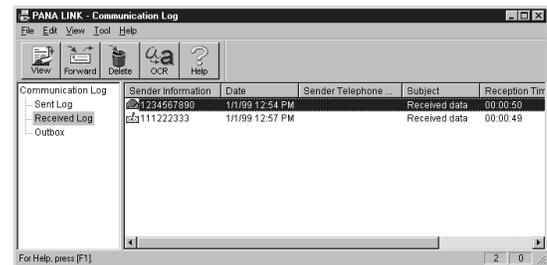
1. Open the **PANA LINK** main panel.



2. Click on the reception icon (**New doc.**) in the main panel, or click on **Comtn. Log** and switch to the received log.

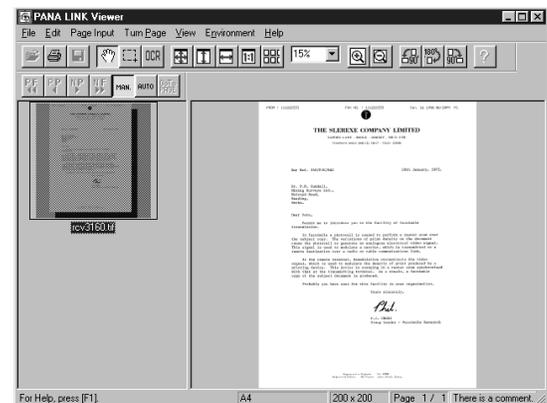


3. Click on the items in the received log which have not been viewed yet (icon).



4. Click on **File** in the menu bar, then click on **View**, or click **View** in the toolbar.

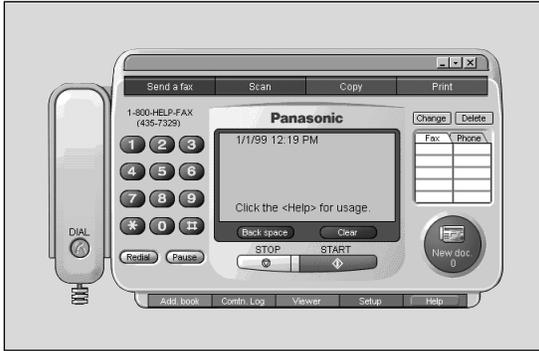
- The Viewer window will appear, and the received fax will be displayed.



Making a phone call

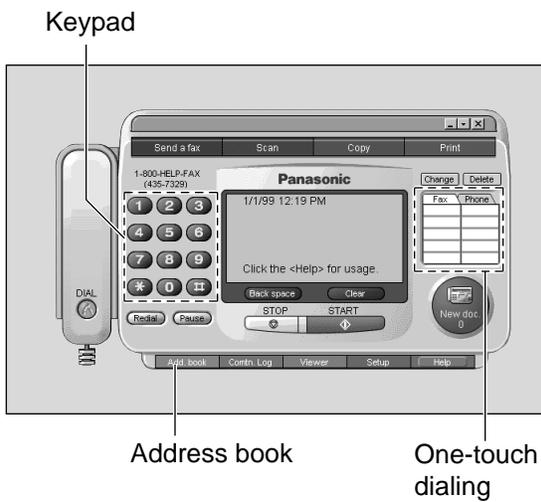
You can place a phone call using PANA LINK.
Use the handset on the fax machine to talk.

- 1 Open the **PANA LINK** main panel.



- 2 Enter the telephone number in the main panel.

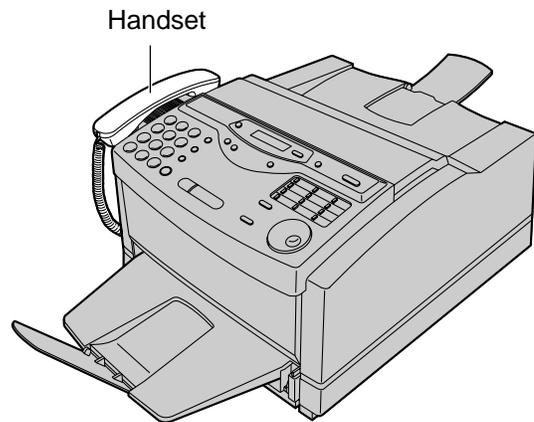
- You can select the telephone numbers using the following methods: Keypad, one-touch dial, address book or redial. The main panel indicator will display "Start calling by pressing the <Dial>."



- 3 Click **Dial**.

- The main panel indicator will display "Lift the fax machine's handset to talk."

- 4 Lift the fax machine's handset.

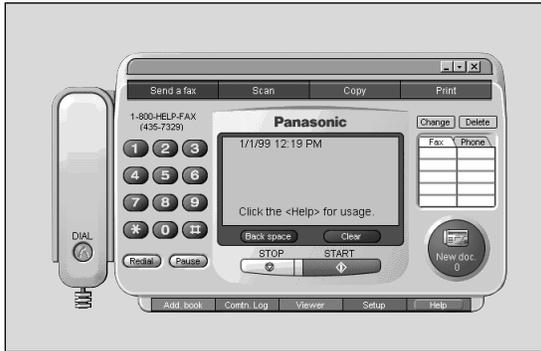


Address Book

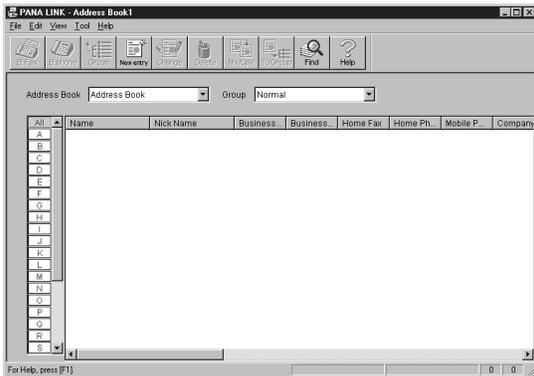
Computerized directory for fax and phone numbers

The Address Book is your personal information database for fax and phone numbers.

- 1 Open the **PANA LINK** main panel.

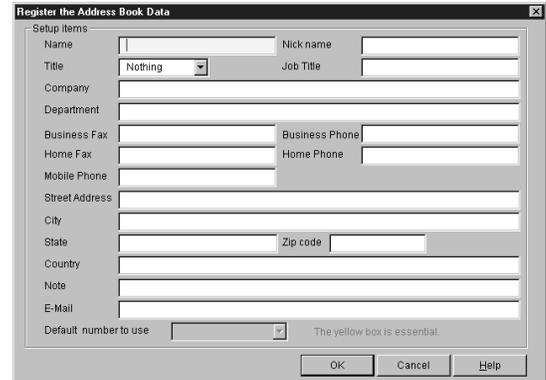


- 2 Click **Add. Book** in the main panel.
 - The Address Book window will appear.



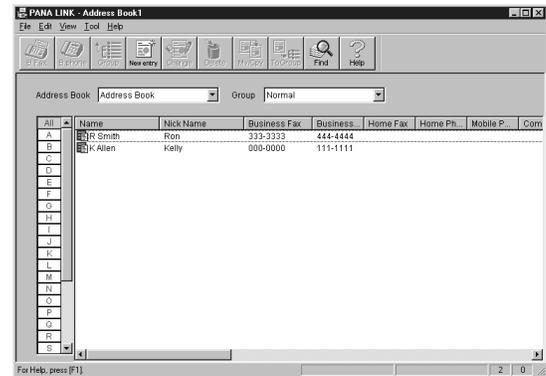
- 3 Select **New entry** from Edit menu or click **New entry** in the toolbar.

- A dialog box to register personal information will appear.



- 4 Enter personal information in each space.
 - The name is essential.

- 5 Click **OK**.
 - The registered information will be shown in the list.



Broadcast

When sending the same document to more than one location, you can use the "Group" function in the Address Book. You may select as many locations as you want from the Address Book.

Using your fax machine as a scanner

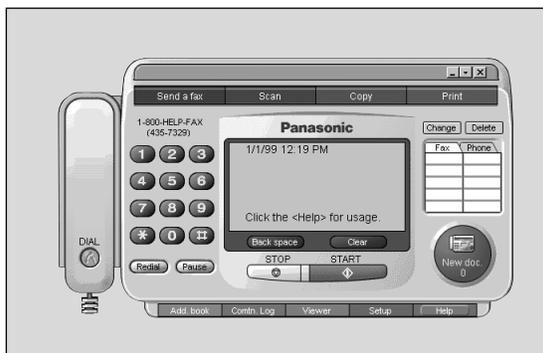
Scanning from Windows 95/98

Create an image file (TIF format) by scanning the document which is set in the fax machine.

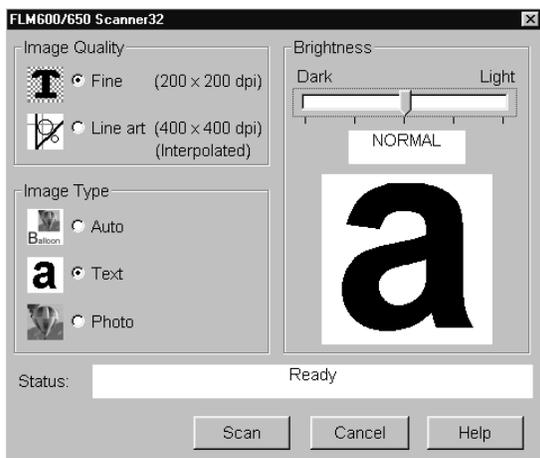
- 1 Set the document which you are going to scan, in the fax machine.



- 2 Open the PANA LINK main panel.

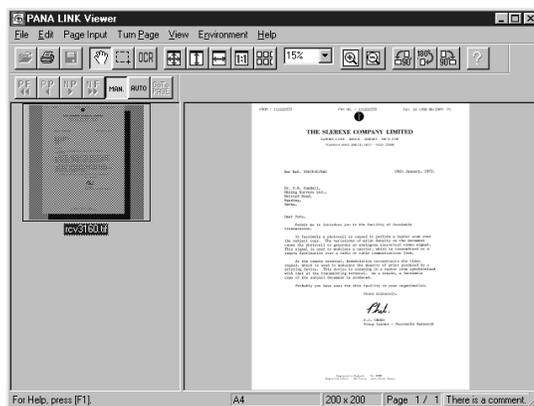


- 3 Click **Scan** in the main panel.
 - The Scan dialog box will appear.



- 4 If necessary, change the setting of **Image Quality**, **Image Type** and **Brightness**. For details, see page 29.

- 5 Click **Scan**.
 - The Viewer window will appear after scanning, and the scanned image will be displayed in it.



- 6 To save the scanned image, select **Save as** from the **File** menu.

Note:

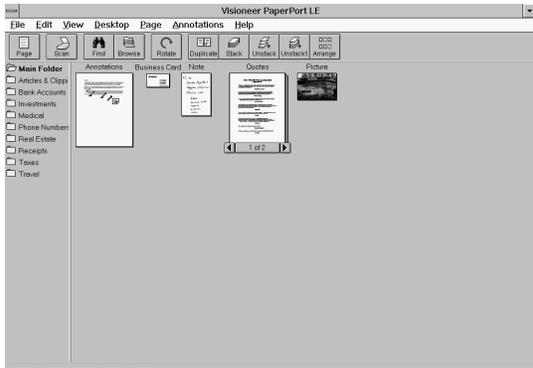
- To cancel scanning while the document is being scanned, press **STOP** on the fax machine.

Scanning

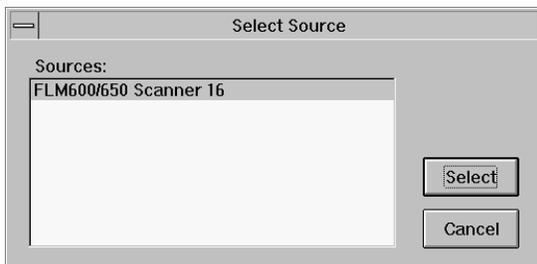
Scanning from Windows 3.1

To scan a document into you PC as an image file, you need an application which contains the scanning feature such as Visioneer PaperPort®.

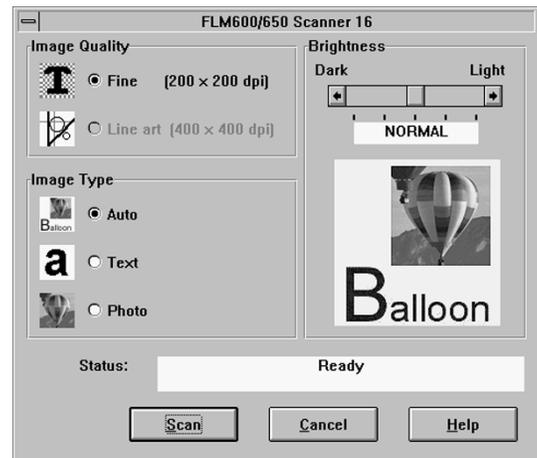
- 1 Set the document you are going to scan on the unit.
- 2 Start Visioneer Paper Port.
 - The Visioneer PaperPort window appears.



- 3 Select **Select Source** from the File menu.
 - The Select Source dialog box appears.



- 4 Select **FLM600/650 Scanner 16** in the Source list box, and then click the Select button.
- 5 Select **Acquire** from the File menu.
 - The FLM 600/650 Scanner 16 dialog box appears.
 - If necessary, change the setting of Image quality, Image Type and Brightness.



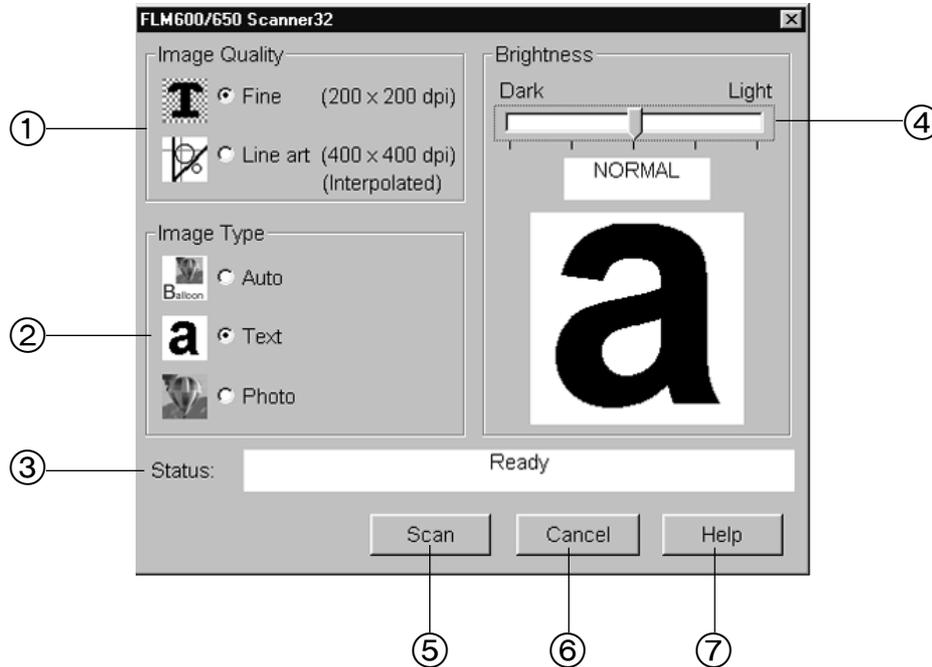
- 6 Click the **Scan** button.
 - The scanned document is displayed in the Viewer window after scanning.
- 7 To save the scanned image, select **Export** from the **File** menu.

Note:

- To cancel scanning while the document is being scanned, press **STOP** on the fax machine.

FLM 600/650 Scanner 32

The FLM 600/650 Scanner dialog box is displayed when you click the Scan button on the PANA LINK Main panel.



You can set up the following items to make an image file better.

- ① **Image Quality:** You can set the image quality to scan.
 - Fine (200 x 200 dpi):** For a text document with small writing or a document with a simple graphic.
 - Line art (400 x 400 dpi):** For a document with complicated graphics or very small text. (400 x 400 dpi: interpolated)

- ② **Image Type:** You can set the image type to scan.
 - Auto:** Sets the image type automatically.
 - Text:** For a text document. (We recommend this as a default.)
 - Photo:** For a photograph.

- ④ **Status:** shows the current state of the unit.
The following messages are displayed depending on the state of the unit.

Message	State
Ready	A document is set on the unit. Please click the Scan button for scanning.
Please insert document to scan.	A document is not set on the unit. Please set a document on the feeder tray.
Scanning	The unit is scanning a document.
FLM600/650 unit power is off. Plug the unit in and try again.	The power of the unit is off or unplugged, or the PC is not connected to the FLM600/650. Please verify above.
FLM600/650 is warming up.	The unit is warming up. Please wait for a while.

Scanning

- ③ **Brightness:** You can adjust brightness by using the slider.
 - Normal:** Brightness is not adjusted. You can adjust the brightness based on the result of this scan.
 - Light:** Use this when scanning a dark document.
 - Very Light:** Use this when scanning a very dark document.
 - Dark:** Use this when scanning a light document.
 - Very Dark:** Use this when scanning a very light document.

- ⑤ **Scan:** To start scanning.
You can use this button only when a document to be scanned is set.

- ⑥ **Cancel:** Close the FLM600/650 Scanner dialog box.

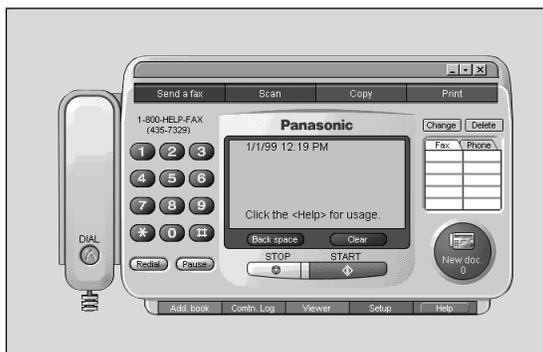
- ⑦ **Help:** Display help.

PC based copying

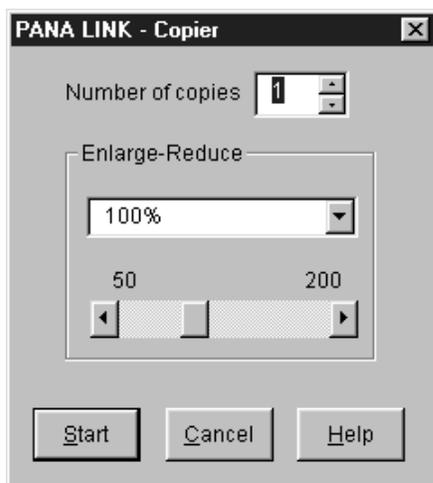
- 1 Set the document which you are going to copy in the fax machine.



- 2 Open the PANA LINK main panel.



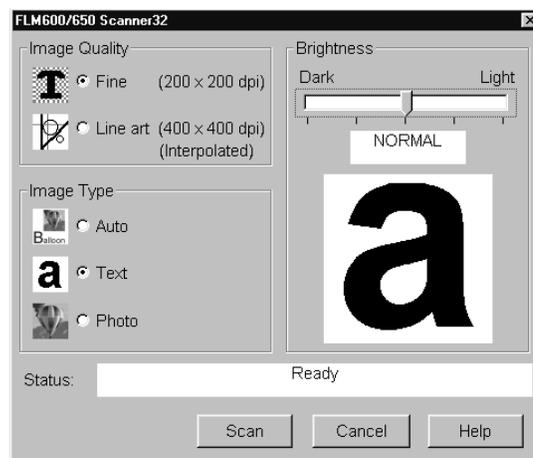
- 3 Click **Copy** in the main panel.
 - The Copier dialog box will appear.



- 4 Enter the number of copies required in Number of copies.

- 5 If necessary, change the setting of **Enlarge-Reduce**.

- 6 Click **Start**.
 - The Scan dialog box will appear.



- 7 If necessary, change the setting of **Image Quality, Image Type and Brightness**.

- 8 Click **Scan**.
 - The fax machine will start scanning the documents, then will print the copies.

Note:

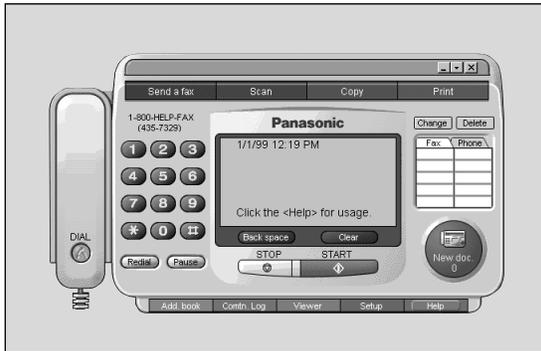
- To cancel copying while the document is being scanned, press **STOP** on the fax machine.

The Communication Log

It is possible to view a list of faxes sent or received from the PC, and to view their contents.

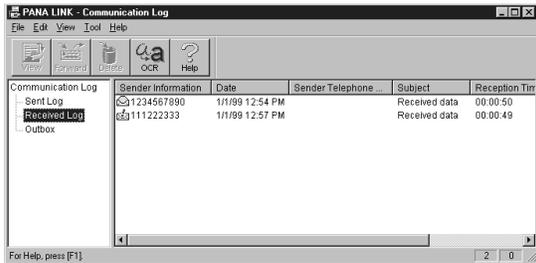
It is also possible to forward or resend these faxes.

- 1 Open the **PANA LINK** main panel.



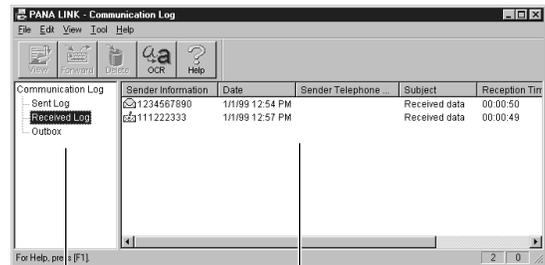
- 2 Click **Comtn. Log** in the main panel.

- The Communication Log window will appear.



- 3 Select the Communication Log Folder.

- The content of the selected Communication Log Folder will be displayed in the Communication Log List.



Communication Log Folder

Communication Log List

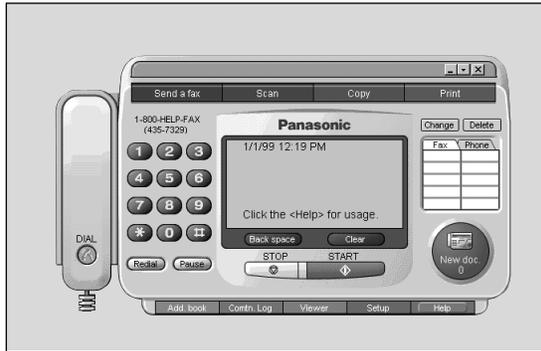
Note:

- As the transmitted image files will remain in the hard disk, please check regularly that there is enough free space.

Viewer

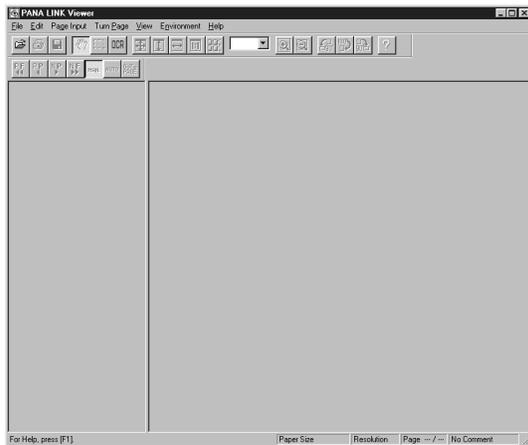
- It is possible to display the images sent, received, or scanned with PANA LINK.
- It is possible to move, copy and delete a file or page.
- From the Viewer, it is also possible to send an image as a fax.

1 Open the **PANA LINK** main panel.



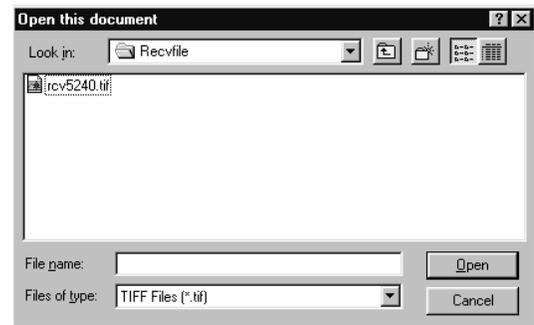
2 Click **Viewer** in the main panel.

- The Viewer window will appear.



3 Click on **File** then **Open** in the menu bar, or click the **Open icon** in the tool bar in the main panel.

- The Open window will appear.



4 Select the file you want to view.

Note:

- Text on the image cannot be edited.
- Use OCR to convert text on the image to text data that can be edited with word-processor software.

PC link --- --- (turning PC related functions on/off)

The PC LINK feature by default is “ON”.

If the AUTO ANSWER mode is turned on, all faxes will be received at your PC automatically.

If you do not want to be disturbed by incoming faxes when using the PC, but want to receive faxes directly to your fax machine, do one of the following.

—Turn off the PC LINK on the fax machine.

—Select “Receive directly to facsimile unit” on the PC (p. 24).

To turn off the PC LINK on the fax machine

- When this feature is off, operations from your PC, such as fax transmission/reception, scanning, printing or copying are not available.

1 Press **MENU**.
Display: 1.SYSTEM SET UP

2 Press **#**, then **1** **4**.
PC LINK

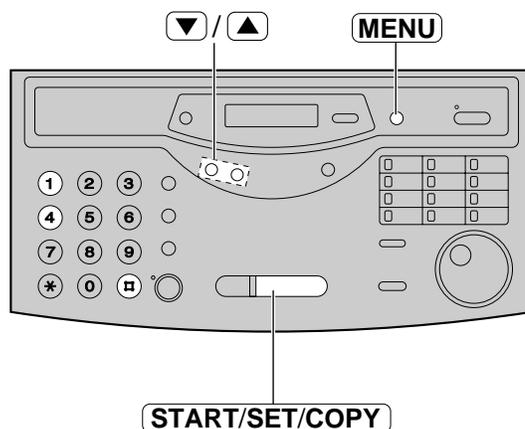
3 Press **START/SET/COPY**.
MODE=ON ▼▲

4 Press ▼ or ▲ to select “OFF”.
MODE=OFF ▼▲

- To turn on the PC LINK on the fax machine, select “ON”.

5 Press **START/SET/COPY**.
SETUP ITEM []

6 Press **MENU**.



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

General

Problem	Cause & Remedy
I do not know how to move the PANA LINK Main Panel, because there is no title bar.	<ul style="list-style-type: none"> Point at an area with no buttons or parts and drag it where you want to move.
I do not know whether the PANA LINK Main Panel is active or not.	<ul style="list-style-type: none"> The brightness of the Main Panel Display shows you whether the PANA LINK Main Panel is active or not. <Active – bright, Non active – dark>
A Quick tip does not appear when I hold the mouse pointer over a button in the PANA LINK Main Panel, although I have set to display this.	<ul style="list-style-type: none"> If the PANA LINK Main Panel is non-active, the quick tip does not appear. Confirm again after making the PANA LINK Main Panel be active by clicking anywhere on it.
The telephone number set in the Main Panel Display disappears, and the display shows “It is used for specifying the dial data.” explanation of the button and so on.	<ul style="list-style-type: none"> The quick tip is displayed. Move the mouse cursor out of the PANA LINK Main Panel. If you do not need quick tips, open the setup dialog and select OFF of the Quick Tip in the System tab.
The PANA LINK Main Panel disappears.	<ul style="list-style-type: none"> Look in the task tray (in the task bar). If you do not find the PANA LINK icon, it is closed. If you find the icon, the PANA LINK Main Panel is just minimized or iconified. Double-click the icon in the task tray or open the menu by right-clicking the fax icon then select Restore.
The PANA LINK Main Panel disappears just after initializing.	<ul style="list-style-type: none"> The PANA LINK Main Panel is set to minimize when PANA LINK starts. Double-click the icon in the task tray or open the menu by right-clicking the fax icon, then select Restore. If you do not want this to happen each time you start PANA LINK, press the Setup button in the PANA LINK Main Panel, and check off the Start minimized check box in the Program startup settings in the System tab.
I want to delete all of the telephone numbers set in the Main Panel Display.	<ul style="list-style-type: none"> Press the Stop button.
I cannot recognize the last part of the entry in the address list of the Address Book or Communication log, because that part ended with...	<ul style="list-style-type: none"> Put a cursor on the line between the buttons, the cursor changes shape and you can expand the area by dragging, or double-clicking.
A cover page is sent whenever I send a fax, though I do not want to send it.	<ul style="list-style-type: none"> The setting of the cover page is ON by default. To deactivate the setting, open the Setup dialog box by pressing the Setup button, and click the "Default Add cover page at every transmission" check box in the Cover page tab.
I attempted to select a telephone number from the Address Book to the PANA LINK Main Panel, but I selected a fax number by mistake.	<ul style="list-style-type: none"> You can change your selection in the PANA LINK Main Panel. Double click the number you set in the Main Panel Display, the fax number switches into the telephone number. You can also right-click the entry to select a specific number.
I cannot use the Dial button, even though I specified a telephone number.	<ul style="list-style-type: none"> If there is transmission data or a document is set in the fax, you can only use the fax transmission function. If you want to make a phone call, please delete the transmission data.

(continued)

Troubleshooting

General (cont.)

Problem	Cause & Remedy
<p>When I exit PANA LINK, the Viewer does not close.</p>	<ul style="list-style-type: none"> •The viewer can be operated separately, so when the PANA LINK is closed, it remains open.
<p>The PANA LINK does not work properly.</p>	<ul style="list-style-type: none"> •Click the <input type="checkbox"/> button to exit PANA LINK, and restart. If PANA LINK does not closed, please force it to close by pressing Ctrl+Alt+Delete keys.
<p>I cannot send or receive a fax through PANA LINK.</p>	<ul style="list-style-type: none"> •When you use a PC with an ECP printer port such as a Compaq Deskpro or an IBM Aptiva, you may need to change the ECP port into a standard port: <ol style="list-style-type: none"> 1. Click the Start button, point the Settings, then Control Panel. 2. Double-click System. 3. Double-click Ports [COM & LPT] from the Device Manager tab. 4. Double-click ECP Printer Port (LPT1). 5. Click the Update Driver... button on the Driver tab. <ul style="list-style-type: none"> —The Update Device Driver Wizard starts. 6. Click the “NO, select driver from list” button. 7. Click Show all hardware and choose Standard Port types from the Manufacturers list, and Printer Port from Models. 8. Click the Finish button. <p>If you are required to insert the Windows 95/98 CD-ROM, please do the following.</p> <ol style="list-style-type: none"> 1) Insert the Windows 95/98 CD-ROM. The Copying files dialog box appears. 2) Click the Browse button, and then choose Win95/98 folder from the list. 3) Click the OK button. The Version Conflict dialog box appears. Please check Your version here. If it is 4.00.955, click Yes. <p>You may need to change the ECP port in the BIOS system settings. It varies by PC, please refer to your PC operating instructions or manufacturer for instructions.</p> <p>Please verify the LPT.VXD version is 4.00.955:</p> <ol style="list-style-type: none"> 1) Click the Start button, point to Settings, then Control Panel. 2) Double-click System, and then open the Device Manager tab. 3) Double-click Ports [COM & LPT] from the Device Manager tab. 4) Double-click Printer Port (LPT1). 5) Click the Driver tab. Verify whether the File version is 4.00.955. <p>Note: If it is an old version, you must uninstall PANA LINK first, then reboot the PC, and re-install it again.</p>
<p>I cannot open a TIFF file.</p>	<ul style="list-style-type: none"> •You must change the compression format of the file. For example, to convert an image using WANG Imaging, proceed as follows: <ol style="list-style-type: none"> 1. Click on the Start button, point to Programs – Accessories, then click Imaging. 2. Open the TIFF file that you cannot open in the PANA Viewer. 3. Open the Page menu, then click Convert. <ul style="list-style-type: none"> —The Convert dialog box appears. 4. Click the Compression tab, then choose [CCITT Group 3 (1d) Modified Huffman] from the Compression drop-down list. 5. Click the OK button. <ul style="list-style-type: none"> —The file’s compression format is changed.

Printing

Problem	Cause & Remedy
<p>I cannot print.</p>	<ul style="list-style-type: none"> ● Please verify the following. <ol style="list-style-type: none"> 1. Driver settings: If you change the driver settings in the Panasonic KX-FLM600/650 dialog box, you may be able to print. 2. Preview window: If the image is not properly displayed in the Preview window, your file may contain errors. Try printing a different file. Also, there may be a problem with the application you are using. 3. Bad connection between PC and printer: Verify the printer is properly connected and plugged in. 4. Re-install: Uninstall PANA LINK, reboot your PC, then re-install it. 5. Port setting: If the printer port is not set to FLM600, you cannot print. <ol style="list-style-type: none"> 1) Click the Start button, point to Settings, then Printer. 2) Choose Properties from the printer's pop-up menu. —The Properties dialog box appears. 3) Click the Details tab, and check the Print to the following port drop down list box. If a different port is selected, re-select FLM600 (KX-FLM600 port). 4) Click the OK button. 6. Bi-Directional Parallel Port. (ECP mode): If using ECP (Extended Capability Port) mode, you may not be able to print. Please change it into a standard port: <ol style="list-style-type: none"> 1) Click the Start button, point to Settings, then Control Panel. 2) Double-click System, and then open the Device Manager tab. 3) Double-click Ports [COM & LPT] from the Device Manager tab. 4) Double-click the ECP Printer Port. 5) Click the Update Driver... button from the Driver tab. 6) Change the ECP Printer Port into Printer Port (LPT1). <p>If the same error occurs repeatedly even after changing the printer port, check the BIOS settings or update LPT.VXD. Please refer your computer manufacturer for the latest LPT.VXD and the BIOS settings. LPT.VXD version 4.00.955 is required. If you do not use the correct version, we cannot guarantee that the driver will work properly.</p> <p>Reboot your PC, and try to test printing.</p> <ol style="list-style-type: none"> 1) Click the Start button, point to Settings, then Printers. 2) Choose Properties from the printer's pop-up menu. —The Properties dialog box appears. 3) Click the Print Test Page button from the General tab. If the same error occurs, please see next. <p>Please verify the LPT.VXD version is 4.00.955:</p> <ol style="list-style-type: none"> 1) Click the Start button, point to Settings, then Control Panel. 2) Double-click System, and then open the System Properties dialog box. 3) Double-click Ports [COM & LPT] from the Device Manager tab. 4) Double-click Printer Port (LPT1). 5) Click the Driver tab. Verify whether the File version is 4.00.955. <p>Note: If it is an old version, you must uninstall PANA LINK first, and then restart the PC, and re-install it again. When you change settings manually, you must reboot your PC.</p>

Troubleshooting

Transmission

Problem	Cause & Remedy
I see a "Sending the fax ended in failure." message.	<ul style="list-style-type: none">● Possible causes are as follows.<ul style="list-style-type: none">— Telephone circuit is not good.— You received a call-waiting signal.— The other party stopped reception.— The other party ran out of the recording paper. Transmit again after confirming with the other party.
I see a "No response" message.	<ul style="list-style-type: none">● The other party did not answer the call or the line was busy. Transmit again after waiting a while.● The dialing mode setting (tone or pulse) is not correct. Open the Setup dialog box and confirm the dialing mode setup check box in the Line tab.
I cannot make an international transmission.	<ul style="list-style-type: none">● Set the fax machine to the overseas transmission mode.

Reception

Problem	Cause & Remedy
The fax machine receives a fax, but I want to receive it with the PC.	<ul style="list-style-type: none">● You probably checked the [Receive directly to Facsimile Unit] check box to activate in the Reception tab in the Setup dialog box. If so, click this check box to deactivate.● The setting of the PC LINK on the fax machine is off. Turn it on (p. 34).● The PANA LINK application does not operate. Start the PANA LINK application.
The PC receives a fax, but I want to receive it with the fax machine.	<ul style="list-style-type: none">● Open the Setup dialog box, then check the [Receive directly to Facsimile Unit] check box to activate in the Reception tab.
I want to print out the received fax with another printer.	<ul style="list-style-type: none">● Print after selecting the desired printer from the Print dialog box.
The "Fax reception ended in failure." message is displayed.	<ul style="list-style-type: none">● Possible causes are as follows.<ul style="list-style-type: none">— The line condition was not good.— The reception was interfered with the call waiting signal. Check with the other party and try again.

Scan and copy

Problem	Cause & Remedy
I cannot scan.	<ul style="list-style-type: none">● The facsimile unit is probably busy. Try again after the other operation is completed.● There might be not enough free space on the hard disk. Try again after deleting unnecessary files or closing unused applications.● There might be not enough RAM. Try again after closing some applications.● Restart the PC, then try again.
The document is not pulled into the document feeder.	<ul style="list-style-type: none">● Confirm that a maximum of 15 pages are set correctly.
A document is jammed.	<ul style="list-style-type: none">● If you select Fine (200 x 200 dpi) in the image quality list, make sure the document is less than 655 mm (25⁷/₈"). If you select Line Art (400 x 400 dpi), make sure the document is less than 470 mm (18¹/₂"). Remove the jammed document and try it again.

Scan and copy (cont.)

Problem	Cause & Remedy
The recording paper is jammed.	<ul style="list-style-type: none"> Remove the jammed recording paper and reset it, then try again.
Even after clicking the Cancel button, scanning continues.	<ul style="list-style-type: none"> Wait. Sometimes, it takes a while for the cancel request to be accepted.
I cannot scan documents using other applications.	<ul style="list-style-type: none"> Due to compatibility issues, an error may occur when you scan documents using certain applications. Scan from PANA LINK.

Error message

Problem	Cause & Remedy
"Initializing ended in failure" is displayed.	<ul style="list-style-type: none"> Reconfirm the connection of the PC and the fax machine. The setting of the PC LINK on the fax machine is off. Turn it on (p. 34).

Print quality

Problem	Cause & Remedy
The printing quality is poor.	<ul style="list-style-type: none"> Some paper has instructions recommending which side to print on. Try turning the paper over.
The printing is faint. <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;"> <p>Original</p>  </div> <div style="text-align: center;"> <p>Copy</p>  </div> </div>	<ul style="list-style-type: none"> You may have used paper with a cotton and/or fiber content that is over 25 %, such as letterhead or resume paper. The remaining toner is low. Replace the toner cartridge.
A dirty pattern or a black line appears on the printouts.	<ul style="list-style-type: none"> There are scratches on the drum unit. Replace the drum unit.