

Panasonic

Facsimile with Cordless Phone

Quick Reference Guide

Model No. **KX-PW88CL**



Thank you for purchasing a Panasonic facsimile.

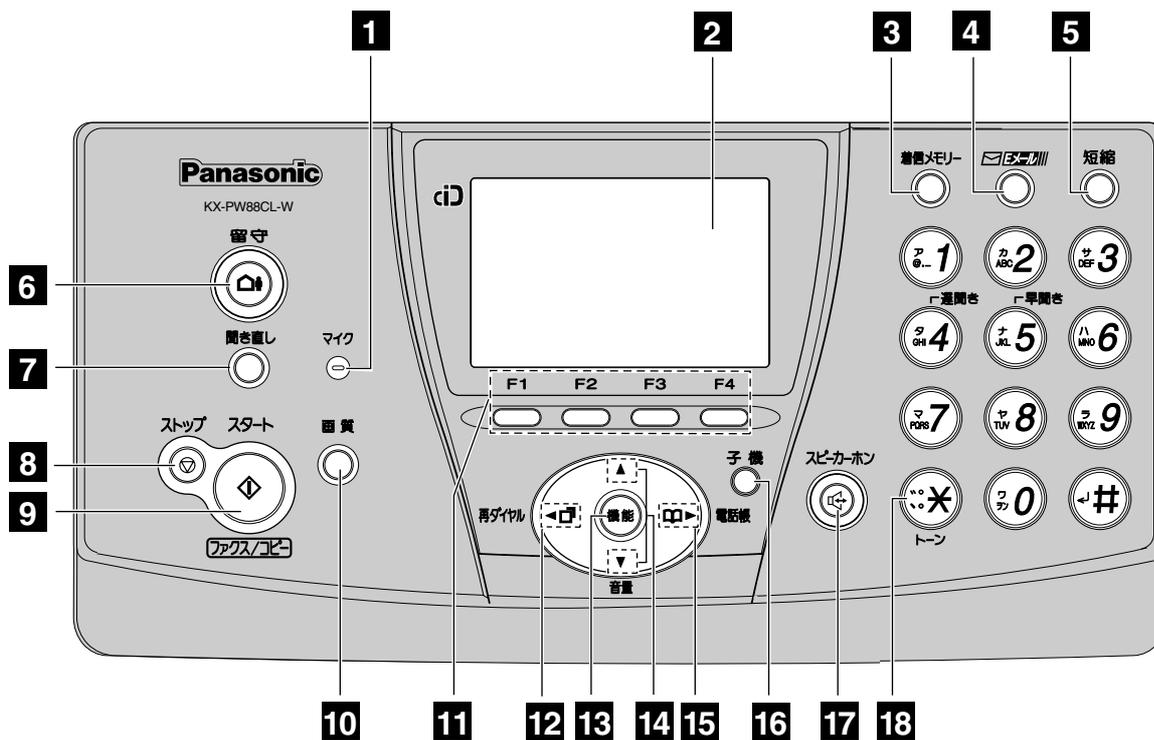
Table of Contents

Finding the controls	2
Installations and connections	4
Setting the date and time	7
Setting your facsimile telephone number	7
Setting your logo	8
Character input and command key table	9
Automatic dialing on the main unit	10
Automatic dialing on the portable handset	12
Intercom between the main unit and portable handset	13
Intercom between portable handsets	14
(An optional handset is needed when using this feature.)	
Sending faxes	15
Receiving faxes	17
Operating the built-in answering device	19
Using the hand scanner	20
Individual e-mail services	22
Specifications	Back cover

- This guide explains some basic features and operations, but not all of them. For further details, see the Japanese operating instructions.
- This product is designed for use in Japan. Panasonic cannot provide service for this product if used outside Japan.
- Any details given in this guide are subject to change without notice.

Finding the controls

Main unit (control panel)



- 1** Microphone
- 2** Liquid crystal display
- 3** Call Memory button & indicator stores the caller ID of incoming calls.
- 4** E-Mail button & indicator
- 5** Speed Dial button
- 6** Auto Answer button & indicator
—light on: answering device activated.
—light off: used as a regular telephone.
- 7** Replay button plays back recorded messages.
- 8** Stop button
- 9** Start/Fax/Copy button starts faxing or copying.
- 10** Resolution button selects the resolution when faxing or copying.
- 11** Multi-operation buttons refer to the function displayed on the display panel.
- 12** Redial button
- 13** Function button initiates programming.
- 14** Search button searches the directory by pressing the up and down buttons.
Volume button adjusts ringer, speaker and handset volume by pressing the up and down buttons.
- 15** Phonebook button
- 16** Portable Handset button
- 17** Speakerphone button
- 18** Tone button switches to tone dialing.

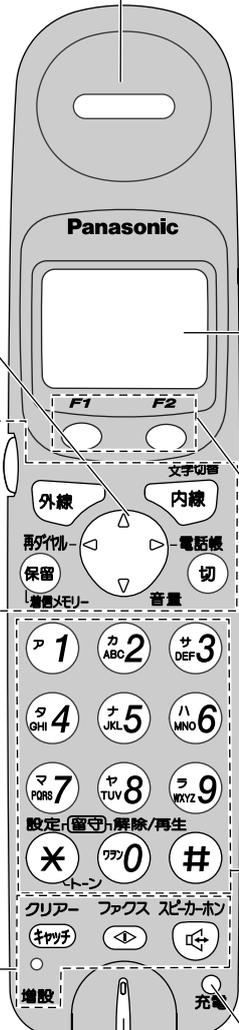
Finding the controls

Portable handset

How to use key

-  電話帳 To use the phonebook.
- 再ダイヤル  To redial the last number dialed.
To insert a pause.
-  音量 To adjust the volume.

Speaker



Microphone
(Do not cover the microphone while talking.)

LCD (with back light)

Displays battery strength, telephone numbers etc.



- ① Portable handset number
- ② Displayed when entering characters for the telephone directory, etc.
- ③ Function menu that is controlled by **F1** or **F2**.
- ④ Battery strength

How to use **F1** **F2** buttons

F1 and **F2** buttons refer to the function displayed on the bottom of the display. They function differently depending on the mode.

Dial buttons

-  Tone button
トーン To switch to Tone dialing mode.
-  Sharp button

Charge indicator

- Charging Red
- Full Off

How to use **外線** **内線** **切** **保留** **トク** buttons

- 外線** To make/answer calls.
- 文字切替** **内線** To page the main unit or another portable handset.
To change the character input mode.
- 切** To end a call.
To end or exit from editing or other operations.
- 保留** To put a call on hold.
To start a search in the Number Display log.
- トク** To talk to another portable handset.

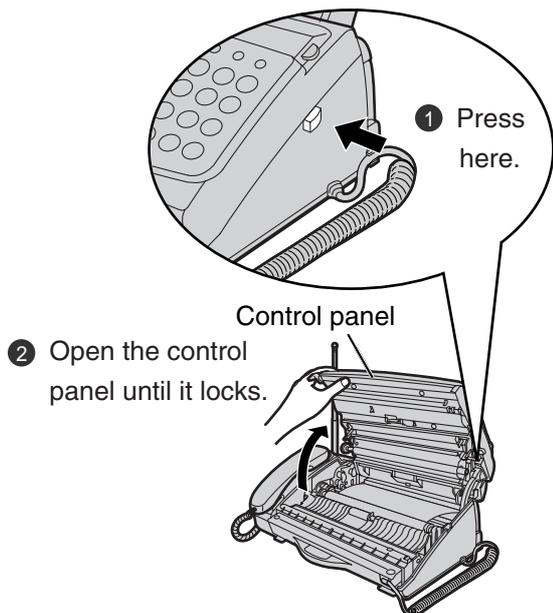
How to use **クリアー** **ファクス** **スピーカーホン** buttons

- クリアー** **キャッチ** For call waiting service users.
To clear letters/numbers.
- ファクス** To receive faxes.
- スピーカーホン** To use the speakerphone.
- 増設** **充電** Used when installing additional portable handsets.

Installations and connections

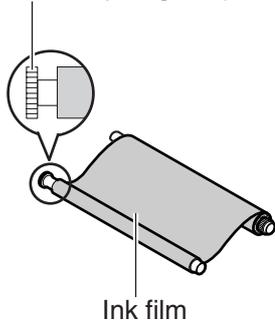
Installing the ink film

- 1 Open the control panel.



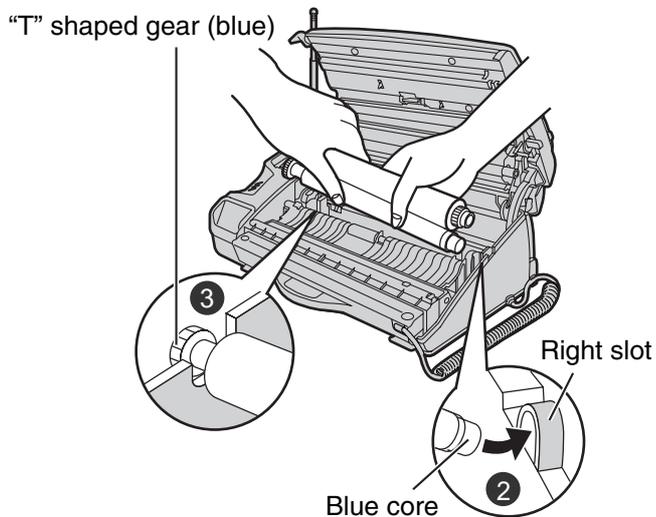
- 2 Insert the ink film.

- 1 Find the "T" shaped gear (blue).

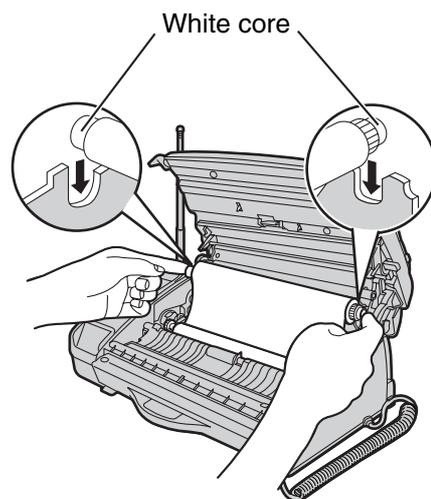


- 2 Insert the blue core into the right slot of the main unit.

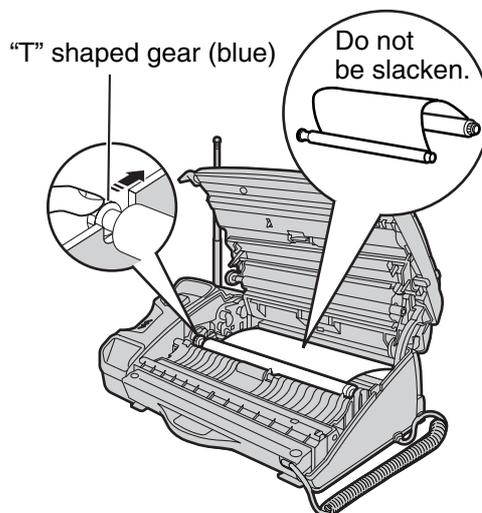
- 3 Insert the "T" shaped gear (blue) into the left slot of the main unit.



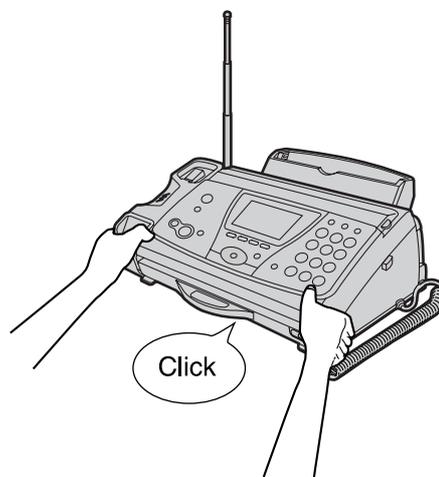
- 4 Insert the white core into the slots shown in the picture below.



- 5 If the ink film is slack, tighten it by winding the "T" shaped gear.



- 3 Close the control panel until it locks.

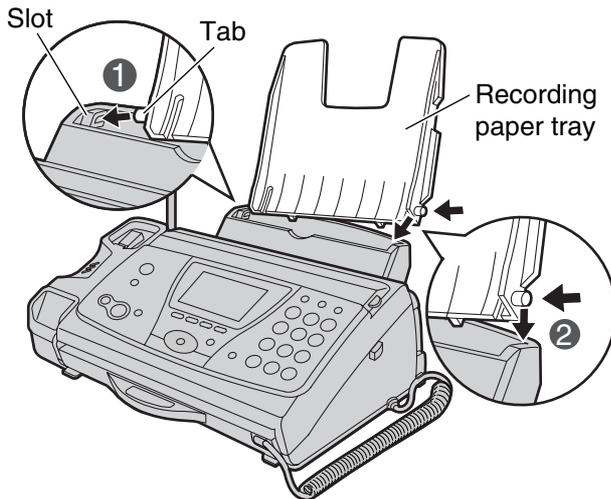


Installations and connections

Installing recording paper (A4 size)

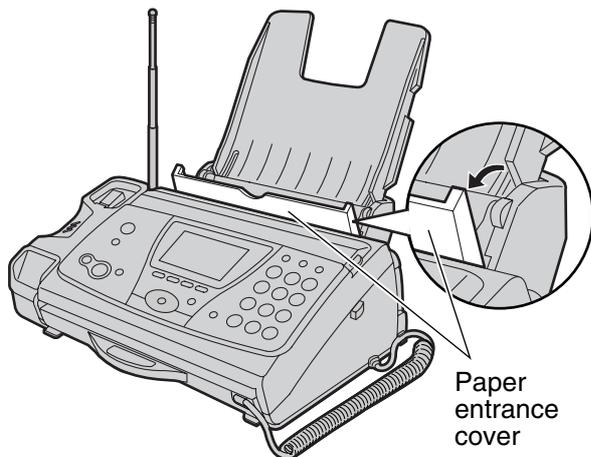
1 Install the recording paper tray.

- 1 Insert the left tab on the recording paper tray into the left slot of the main unit.
- 2 Insert the right tab into the right slot of the main unit.



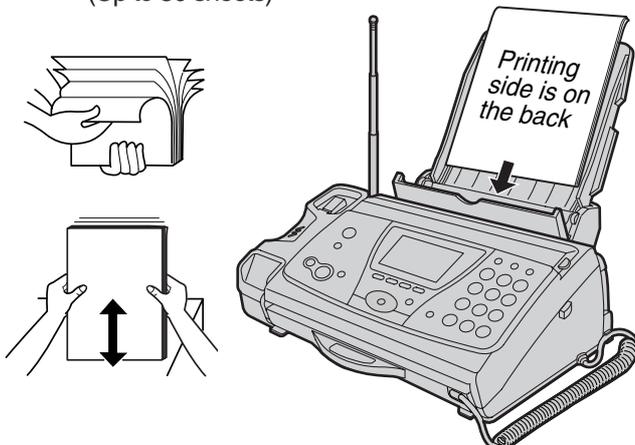
2 Insert the recording paper into the recording paper tray.

- 1 Open the paper entrance cover until it locks.

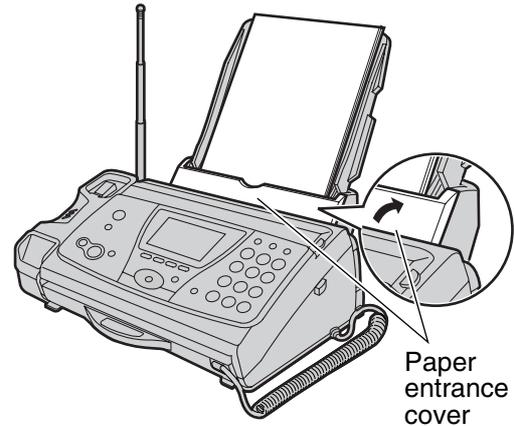


2 Fan the stack of recording paper (A4 size).

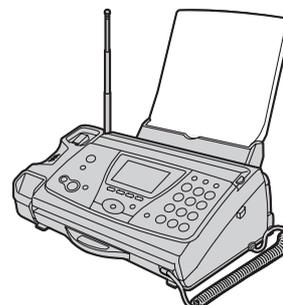
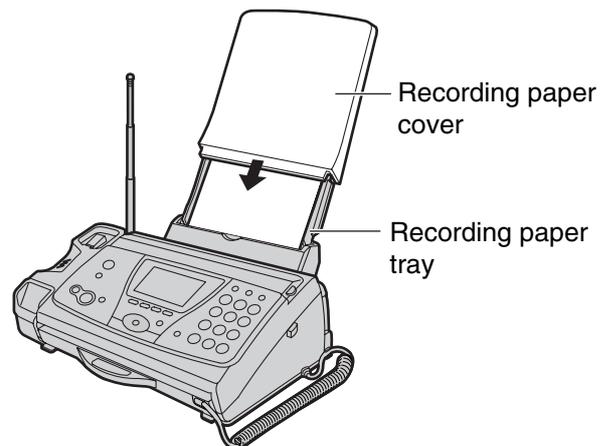
- 3 Insert the recording paper into the recording paper tray. (Up to 30 sheets)



3 Close the paper entrance cover by leaning it back.



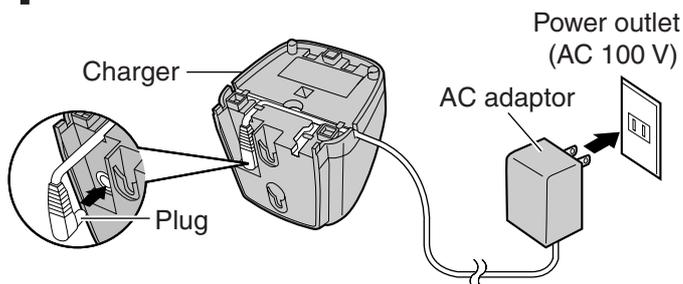
4 Install the recording paper cover on the recording paper tray by sliding it down from the top.



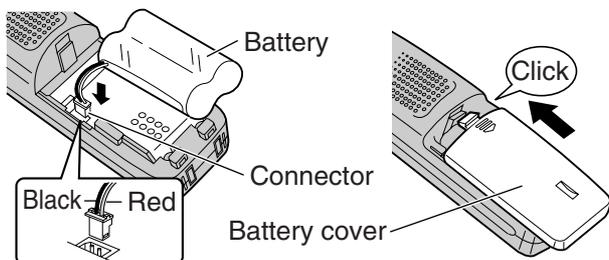
Installations and connections

Setting up the portable handset

1

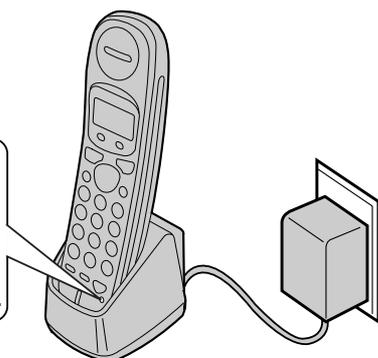


2



3 Charge the battery in the charger for 10 hours.

Charge indicator 
-lights red:
while charging.
-lights off:
charging completed.



- After your Panasonic battery is fully charged, it will last up to about 7 hours of conversation.

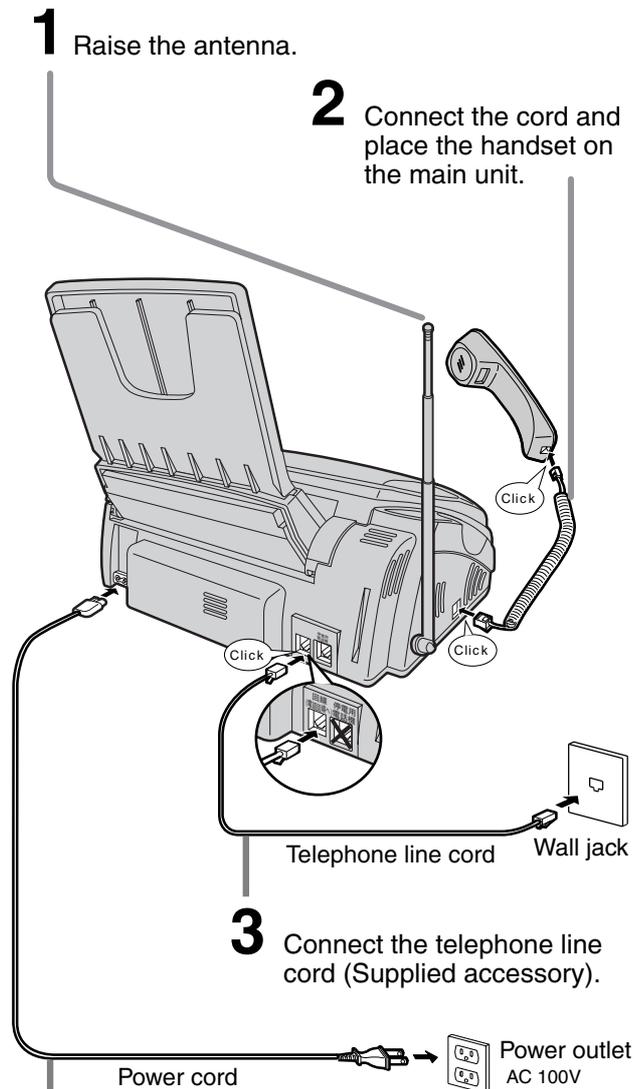
Connecting the main unit

1

Raise the antenna.

2

Connect the cord and place the handset on the main unit.



3

Connect the telephone line cord (Supplied accessory).

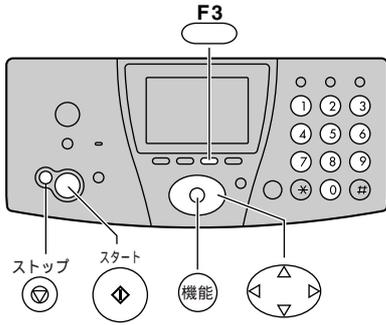
4

Connect the power cord.

After the Power On...

This unit will automatically select the dialing mode (Tone/Pulse).

Setting the date and time



1 Press (Function).

キノウ トウロク モード
センタクハ[]オス

2 Press (Search button) repeatedly until the following is displayed.

サイショノ セツテイ
[スタート]オス

3 Press (Start).

Example :

2002年01月01日
00:00
Cursor

4 Enter the correct year/month/day.

Example: February 1, 2002

Press .

2002年02月01日
00:00

5 Enter the correct hour/minute in a 24-hour clock entry.

Example: 15:45 (3:45 PM)

Press .

2002年02月01日
15:45

6 Press (Register).

トウロク シマシタ



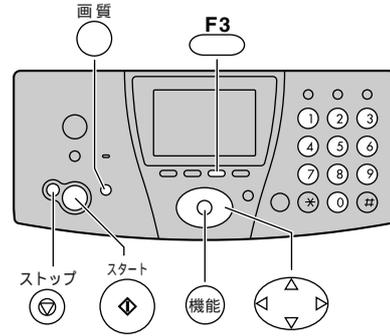
2002年02月01日
15:45

7 Press (Stop).

Example :

2月 1日 15:45
ヨウケン ロクオン 00ケン

Setting your facsimile telephone number



1 Press (Function).

キノウ トウロク モード
センタクハ[]オス

2 Press (Search button) repeatedly until the following is displayed.

サイショノ セツテイ
[スタート]オス

3 Press (Start).

Example :

2002年02月01日
15:45

4 Press (Search button) repeatedly until the following is displayed.

TEL=
Cursor

5 Enter your facsimile telephone number, up to 20 digits.

Example: 098 765 43 ..

TEL=8 765 43 ..

The (Space) button replaces the digit with a space.

6 Press (Register).

トウロク シマシタ



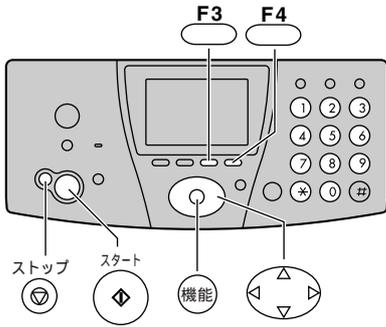
TEL=098 765 43 ..

7 Press (Stop).

Example :

2月 1日 15:45
ヨウケン ロクオン 00ケン

Setting your logo



1 Press (Function).

キノウ トウロク モード
センタクハ[]オス

2 Press (Search button) repeatedly until the following is displayed.

サイショノ セッテイ
[スタート]オス

3 Press (Start).

4 Press (Search button) repeatedly until the following is displayed.

ナマI=

Cursor

5 Enter your logo, up to 30 characters, using the dial keypad.

- To enter English characters easily, press (Character input mode) repeatedly and select “英” (English and sign input mode).
- For details, see the table on page 9 for instructions.

Example: Micah

1. Press once.

ナマI= M

Cursor

2. Press six times.

ナマI= M i

3. Press six times.

ナマI= Mic

4. Press to move the cursor to the next space and press four times.

ナマI= Mic a

5. Press five times.

ナマI= Micah

6 Press (Register).

トウロク シマシタ



ナマI= Micah

7 Press (Stop).

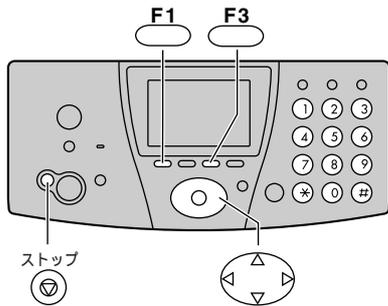
Character input and command key table

Character Dial key	Pressing the dial keys will select a character as shown below.		
	"カナ" Katakana	"英" English	"数" Numbers
①	アイウエオアイウエオ	@ . _ - & \$ ¥ % + = ~ ^	1
②	カキクケコ	A B C a b c	2
③	サシスセソ	D E F d e f	3
④	タチツテトツ	G H I g h i	4
⑤	ナニヌネノ	J K L j k l	5
⑥	ハヒフヘホ	M N O m n o	6
⑦	マミムメモ	P Q R S p q r s	7
⑧	ヤユヨヤユヨ	T U V t u v	8
⑨	ラリルレロ	W X Y Z w x y z	9
⑩ (Main unit)	ワヲンー!? ()	! ? / - * # , ; : . ' " () [] { } 「 」	0
⑩ (Portable handset)	ワヲン` ° 、 。 -	、 。 ! ? / - * # , ; : . ' " () [] { } 「 」	0
✳ (Main unit)	ゝ ° 、 。	、 。	
Command keys	文字切替 F4 (Main unit), 文字切替 内線 (Portable handset)		Used to change the character input mode.
	⬅️ (Main unit), ⬆️ (Portable handset)		Used to move the cursor to the left and right.
	クリアー F1 (Main unit), クリアー キヤツテ (Portable handset)		Used to delete a character.
	画壁 (Main unit), ⬆️ 画壁 (Portable handset)		Used to insert a space.

- When entering e-mail address, the small letters are displayed before the capital letters.
- When entering e-mail address, you can not enter the following symbols: ` ° - . ' 「 」
- When entering e-mail address, you can enter only English and Numbers.
- When entering e-mail message, pressing (✳) enables you to begin the new line. ("↵" is displayed.)
- The display items of the main unit are somewhat different from that of the portable handset.

Automatic dialing on the main unit

Storing names and telephone numbers in the phonebook



1 Press (Phonebook).

デ' ソワチヨウ ケンサク
ナマエ?

2 Press (Register).

- “XXX” shows the number of remaining stations you can store.
- You can program up to 150 stations, including 4 pre-programmed stations.

デ' ソワチヨウ アキ x x x カン



ナマエ=

3 Enter the name, up to 12 characters (see the table on page 9 for instructions).

4 Press (Register).

5 Enter the telephone number, up to 30 digits.
• To correct a mistake, press (Clear).

6 Press (Register).

7 If necessary, enter the group number (1–9).

8 Press (Register).

- To program other items, repeat steps 3 to 8.

9 Press (Stop) to exit the program.

Making a voice call using the phonebook

1 Press (Phonebook).

2 Press (Search button) repeatedly until the desired name is displayed.

3 Lift the handset or press (Speakerphone).

Editing a stored name or number

1 Press (Phonebook).

2 Press (Search button) repeatedly until the desired name is displayed.

3 Press (Register).

4 Edit the name (see the table on page 9 for instructions), then press (Register).

- If you do not need to edit the name, press (Register) and skip to step 5.

5 Edit the telephone number, then press (Register).

- If you do not need to edit the telephone number, press (Register) and skip to step 6.

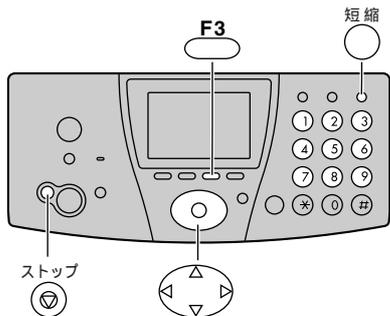
6 If necessary, enter the correct group number.

7 Press (Register).

Automatic dialing on the main unit

Storing names and telephone numbers in the speed dialer

You can store up to 9 names and telephone numbers which are stored in the phonebook. The dialing buttons (1) to (9) function as memory stations.



1 Press ^{短縮} (Speed dialer).

2 Press the memory station number (1) to (9).

1. トウロクサレタイムセン

Memory station number

3 Press ^{登録} F3 (Register).

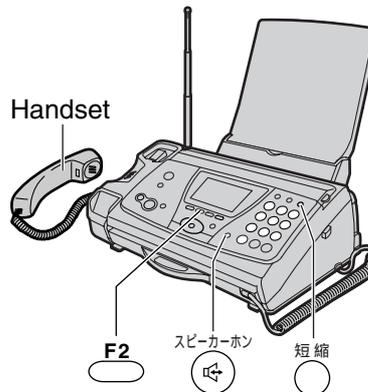
4 Press  repeatedly until desired name is displayed.

5 Press ^{登録} F3 (Register).

- To program other items in other stations, repeat steps 3 to 5.

6 Press ^{ストップ} (Stop) to exit the program.

Making a voice call using the speed dialer



1 Press ^{短縮} (Speed dialer).

2 Press the memory station number (1) to (9).

3 Lift the handset or press ^{スピーカーホン} (Speakerphone).

Erasing a name and number stored in the speed dialer

1 Press ^{短縮} (Speed dialer).

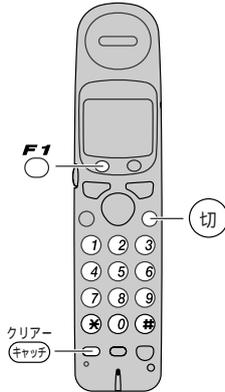
2 Press the memory station number (1) to (9) which you want to erase.

3 Press ^{削除} F2 (Delete).

4 Press .

Automatic dialing on the portable handset

Storing names and telephone numbers in the phonebook



1 Press (Register).

- “XXX” shows the remaining station numbers you can store.
- You can program up to 150 stations, including 4 pre-programmed stations.

テ	ン	ワ	チ	ヨ	ウ	ト	ウ	ロ	ク
ア	キ	×	×	×	ケ	ン			
ナ	マ	エ	?						

2 Enter the name, up to 12 characters (see the table on page 9 for instructions).

3 Press (Register).

4 Enter the telephone number, up to 30 digits.
• To correct a mistake, press (Clear).

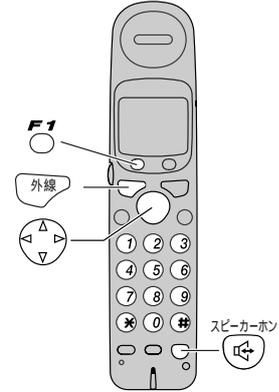
5 Press (Register).

6 If necessary, enter the group number (1–9).

7 Press (Register).
• To program other items, repeat steps 2 to 7.

8 Press (Off) to exit the program.

Making a voice call using the phonebook



1 Press (Phonebook).

2 Press repeatedly until the desired name is displayed.

3 Press (Talk) or press (Speakerphone).

Editing a stored name or number

1 Press (Phonebook).

2 Press repeatedly until the desired name is displayed.

3 Press (Edit).

4 Press .

5 Edit the name (see the table on page 9 for instructions).
• If you do not need to edit the name, skip to step 6.

6 Press (Register).

7 Enter the correct telephone number.
• If you do not need to edit the telephone number, skip to step 8.

8 Press (Register).

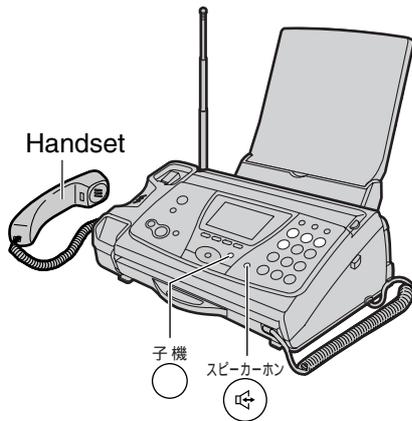
9 If necessary, enter the correct group number.

10 Press (Register).

Intercom between the main unit and portable handset

An intercom is available between the main unit and portable handset.

Using the main unit:



1 ■ For single portable handset users

- Lift the handset.
 - When pressing  (Portable handset) instead of lifting the handset, you can use the speakerphone. Skip to step 2.

ハンコウ?

- Press  (Portable handset).

コキ1 ヨビダシ チュウ

■ For multiple portable handset users

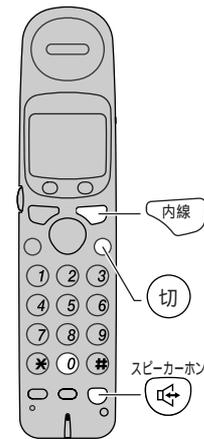
- Lift the handset, then press  (Portable handset).
 - When pressing  (Portable handset) instead of lifting the handset, you can use the speakerphone. Skip to step ②.
- Press the portable handset number ( to ) which you want to call.

- Start talking after the unit sounds "Pi peep" and shows the following.

コキ1 ナイセンツウワ チュウ

- Replace the handset or press  (Speakerphone) if using the speakerphone.

Using the portable handset:



1 ■ For single portable handset users

Press  (Intercom).

ナイセン ヨビダシ

■ For multiple portable handset users

Press  (Intercom), then press .

- Start talking after the unit sounds "Pi peep" and shows the following.

- You can switch to the speakerphone by pressing

ナイセンツウワ チュウ

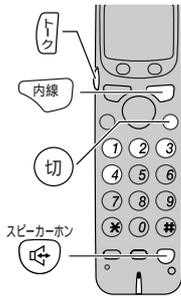
 (Speakerphone).

- Press  (Off) to end the intercom call.

Intercom between portable handsets

A 2-way intercom is available between 2 portable handsets.
(An optional handset is needed when using this feature.)

Making an intercom call



- 1** Press **内線** (Intercom) and the desired portable handset number (**1** to **4**).



コキカン ヨビダシ



コキカン ツウワ

- 2** Start talking.

1. Press and hold **トク** (Talk) until a beep sounds.

- **スピーカーホン** (Speakerphone) light on

2. Start talking while holding down **トク** (Talk).

- Keep holding down **トク** (Talk) until you finish talking.



コキカン ツウワ
ソウワ

3. Release **トク** (Talk) after you finish talking.

コキカン ツウワ

- 3** Listen to the response.



コキカン ツウワ
シユワ



コキカン ツウワ

- 4** If you want to continue the conversation, repeat steps 2 and 3.

- 5** Press **切** (Off) to end the intercom call.

Answering an intercom call

1



コキカン チャクシン



コキカン ツウワ

- 2** Listen to the caller.



コキカン ツウワ
シユワ



コキカン ツウワ

- 3** Respond to the caller.

1. Press and hold **トク** (Talk) until a beep sounds.

- **スピーカーホン** (Speakerphone) light on

2. Start talking while holding down **トク** (Talk).

- Keep holding down **トク** (Talk) until you finish talking.



コキカン ツウワ
ソウワ

3. Release **トク** (Talk) after you finish talking.

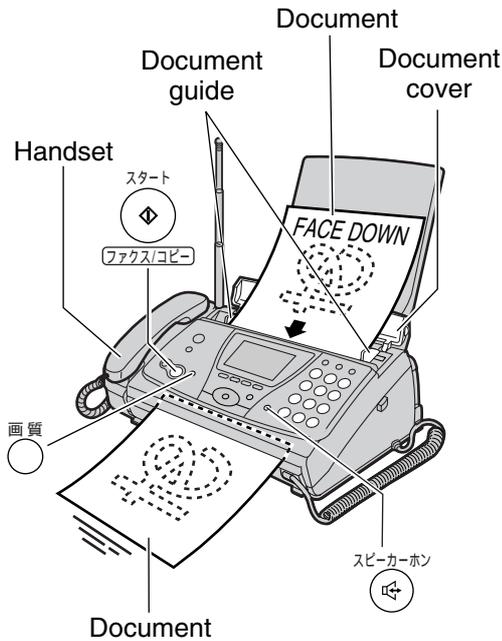
コキカン ツウワ

- 4** If you want to continue the conversation, repeat steps 2 and 3.

- 5** Press **切** (Off) to end the intercom call.

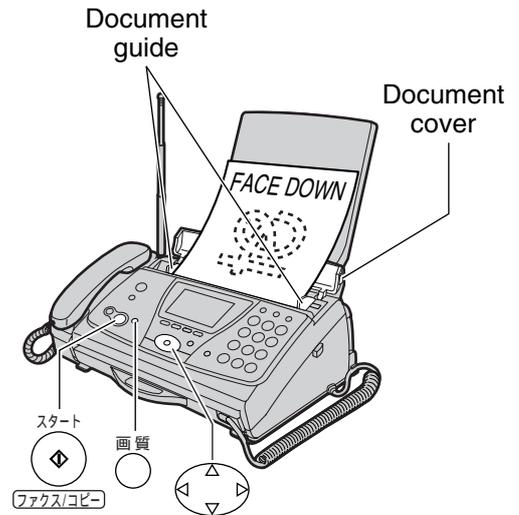
Sending faxes

Sending a fax manually



- 1 Open the document cover, and adjust the width of the document guides to the size of the document.
- 2 Insert the document (up to 5 pages) FACE DOWN until a single beep is heard.
- 3 If necessary, press  (Resolution) repeatedly to select the desired setting (see below).
- 4 Lift the handset or press  (Speakerphone).
- 5 Dial the fax number.
- 6 When a fax tone is heard, press  (Fax).
- 7 Replace the handset if you are using it.
 - The unit will start fax transmission.

Sending a fax using the phonebook



- 1 Open the document cover, and adjust the width of the document guides to the size of the document.
- 2 Insert the document (up to 5 pages) FACE DOWN until a single beep is heard.
- 3 If necessary, press  (Resolution) repeatedly to select the desired setting (see below).
- 4 Press  (Phonebook).
- 5 Press  (Search button) until the desired name is displayed.
- 6 Press  (Fax).
 - The unit will start fax transmission.

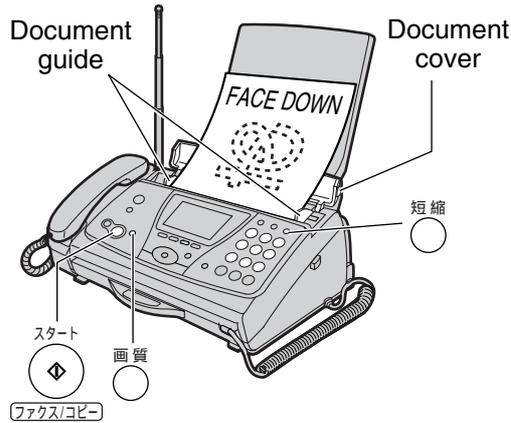
To select the resolution

Select the desired resolution according to the type of document, by pressing  (Resolution).

- | | |
|------------------------|---|
| カ [*] シツ=フツウ | (Standard) for printed or typewritten originals with normal-sized characters. |
| カ [*] シツ=チイサイ | (Fine) for originals with minute printing. |
| カ [*] シツ=シャシン | (Photo) for originals containing photographs. |

Sending faxes

Sending a fax using the speed dialer

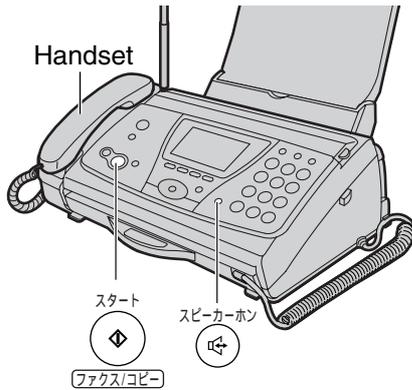


- 1** Open the document cover, and adjust the width of the document guides to the size of the document.
- 2** Insert the document (up to 5 pages) FACE DOWN until a single beep is heard.
- 3** If necessary, press  (Resolution) repeatedly to select the desired setting.
- 4** Press  (Speed dialer).
- 5** Press the memory station number (**1** to **9**).
- 6** Press  (Fax).
 - The unit will start fax transmission.

Receiving faxes

Receiving a fax manually (AUTO ANSWER off)

Using the main unit:



1 When you hear a ring, lift the handset or press (Speakerphone) 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).

3 Replace the handset if you are using it.
 • The unit will start fax reception.

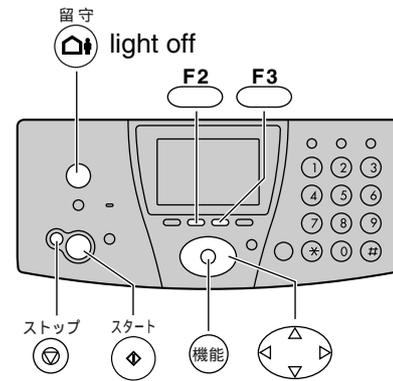
Using the portable handset:



1 When you hear a ring, lift the portable handset from the charger to answer the call.
 • If the portable handset is not set on the charger, press (Talk).

2 When:
 –document reception is required,
 –a fax calling tone (slow beep) is heard, or
 –no sound is heard,
 press (Fax reception).
 • The main unit will start fax reception.

Setting ANSWER mode



If the (Auto answer) light is on, turn it off by pressing .

When AUTO ANSWER mode is off, the unit provides two types of receiving modes: “” (Telephone) mode and “” (Fax/Telephone) mode.

Telephone mode () –Pre-selected setting:
 Select this mode when you plan to answer the calls yourself.
 When receiving calls, you have to answer all calls manually.

Fax/Telephone mode ():
 Select this mode when you are near the unit and want to use it to receive voice calls yourself and fax calls automatically.

Change the setting if you want to use this mode.

1. Press (Function).
2. Press (Search button) repeatedly until the following is displayed.

ファクスノ ウケカタ ヘンコウ
[スタート] オス

3. Press (Start).

4. Press (Select) repeatedly to select the desired mode.

means
“Telephone mode”

サ イタク=テ ンワウセン

means
“Fax/Telephone mode”

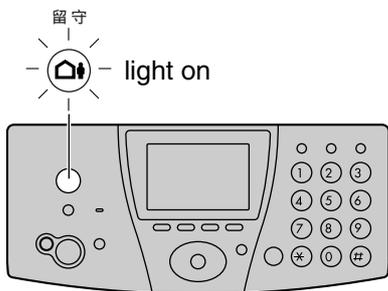
サ イタク=FAXウセン

5. Press (Register).

6. Press (Stop).

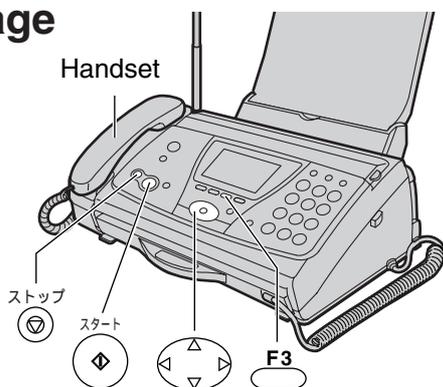
Receiving faxes

Receiving a fax automatically (AUTO ANSWER on)



- 1 If the **留守** (Auto answer) light is off, turn it on by pressing **留守**.
- 2 When receiving a call, the unit will receive a fax document or record a voice message automatically depending on the caller's request.

Recording your own greeting message

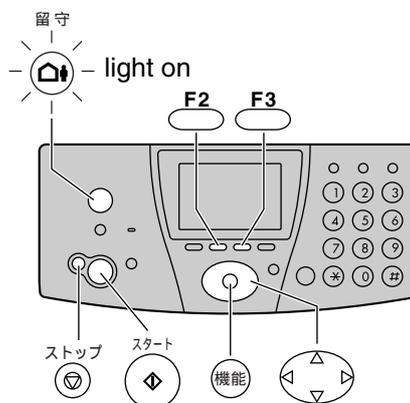


You can record your own greeting message. When receiving a call, it will be played to callers instead of the pre-recorded Japanese greeting message.

- 1 Press **留守電 F3** (Record).
- 2 Press **スタート** (Search button) repeatedly until the following is displayed.

シ`サク オウトウ ロクオン
[スタート] オス
- 3 Press **スタート** (Start).
- 4 Lift the handset.
- 5 Press **スタート** (Start) and record your greeting message, up to 16 seconds, using the handset.
- 6 Press **ストップ** (Stop).
- 7 Replace the handset.
 - Your greeting message will be played back automatically.

Setting AUTO ANSWER mode



AUTO ANSWER mode will work when the **留守** (Auto answer) light is on.

AUTO ANSWER mode provides three types of receiving modes: "FAX / 留守`ン" (Fax/Answering device) mode, "FAXセ`ンヨウ" (Fax only) mode and "留守`ンセ`ンヨウ" (Answering device only) mode.

Fax/Answering device mode (FAX / 留守`ン)

–Pre-selected setting:

Select this mode when you want to receive all voice and fax calls automatically.

Fax only mode (FAXセ`ンヨウ):

Select this mode when you wish to use the unit only as a fax machine.

Answering device only mode (留守`ンセ`ンヨウ):

Select this mode when you wish to use the unit only as a telephone answering device.

Change the setting if you want to use the fax only mode or answering device only mode.

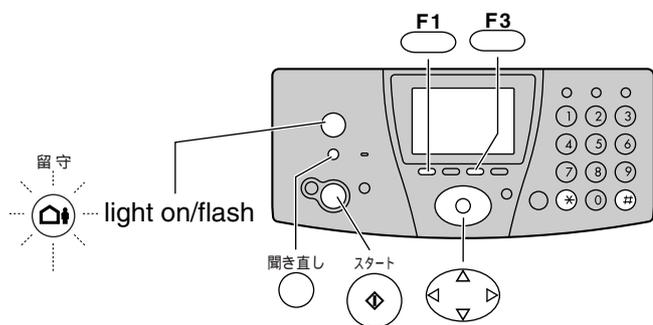
1. Press **機能** (Function).
2. Press **スタート** (Search button) repeatedly until the following is displayed.

ファクスノ ウケカタ ヘンコウ
[スタート] オス
3. Press **スタート** (Start).
4. Press **スタート** (Search button) repeatedly until the following is displayed.

ルス`ン=FAX / 留守`ン
5. Press **選択 F2** (Select) repeatedly to select the desired receiving mode.
 - "FAX / 留守`ン" means "FAX/Answering device mode".
 - "FAXセ`ンヨウ" means "FAX only mode".
 - "留守`ンセ`ンヨウ" means "Answering device only mode".
6. Press **登録 F3** (Register), then press **ストップ** (Stop).

Operating the built-in answering device

Activating the answering device



- 1 Turn the (Auto answer) light on by pressing .
- 2 When receiving a call, a greeting message will be played and the unit will record a voice message.
 - To record your own greeting message, see page 18.

Listening to recorded messages

When new messages are recorded, the (Auto answer) light will flash.

Press to listen to recorded messages.

After the messages are played back, the following will be displayed.

- To erase the messages, push .

サイセイシタヨウケンシヨウキヨ スル=＊シナイ=#

- To save the messages, push .

Listening to all of the recorded messages

Press (Replay).

After the messages are played back, the following will be displayed.

- To erase the messages, push .

サイセイシタヨウケンシヨウキヨ スル=＊シナイ=#

- To save the messages, push .

Erasing a specific message

Press (Erase) while listening to the message you want to erase, then press .

Erasing all of the recorded messages

- 1 Press (Record).
- 2 Press (Search button) repeatedly until the following is displayed.

ヨウケン セ`ンシヨウキヨ [スタート]オス

- 3 Press (Start), then press .

Erasing your own greeting message

- 1 Press (Record), then press (Search button) repeatedly until the following is displayed.

シ`サク オウトウ シヨウキヨ [スタート]オス

 - 2 Press (Start), then press .
- The pre-recorded Japanese greeting message will be played when you receive a call.

Operating the answering device from a remote location

Preparation: Programming the remote operation ID

1. Press (Function).
2. Press (Search button) repeatedly until the following is displayed.

ルスハ`ンテ`ンワノ セッテイ [スタート]オス

3. Press (Start).
4. Enter any 4-digit number (remote operation ID) except * or #.
5. Press (Register).
6. Press (Stop).

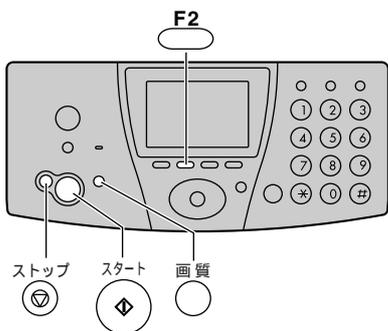
Operation: Listening to a recorded message from a remote location

Turn the (Auto answer) light on before you go out. Remote operations are available only from a touch tone telephone.

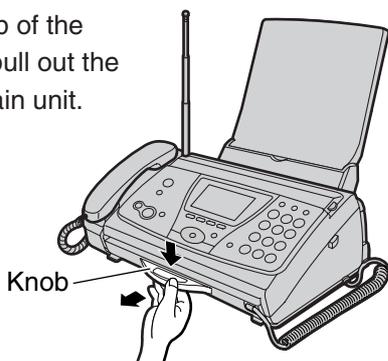
1. Call your unit.
2. Enter the remote operation ID during the greeting message.
3. Press or wait 4 seconds.
 - Only the new recorded messages will be played back.
 - To listen to all the recorded messages, press after the new messages have been played back.

Using the hand scanner

Scanning a document



1 Press down the knob of the hand scanner, and pull out the scanner from the main unit. Then, turn it over.



2 Press  (Resolution) repeatedly to select the desired resolution.

• Resolution types

モジ[°] = フツウ (Standard : For printed or typewritten originals with normal-sized characters)

モジ[°] = チイサイ (Fine : For originals with minute printing)

シャツシヨ (Photo : For originals containing photographs)

Resolution
モジ[°] = チイサイ [カ[°] シツ]
サイズ[°] = A4 [センタク]

3 Press  (Select) repeatedly to select the desired width.

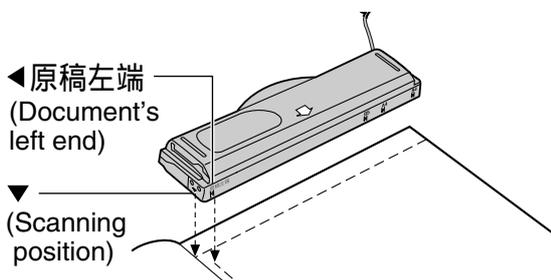
• Scanning width types

A4 (Within 208mm)

B4 (Within 252mm)

Scanning width
モジ[°] = チイサイ [カ[°] シツ]
サイズ[°] = A4 [センタク]

4 Place the scanning position and the 原稿左端 (Document's left end) on the document.

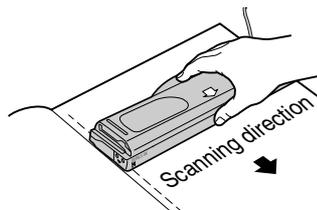


5 Press  (Start).

- When you hear a beep, you can start scanning.

6 Press the hand scanner against the document, and move it slowly towards the direction of the arrow (⇩).

- For the proper scanning speed for different resolution types, see "Scanning speed and memory capacity" on the bottom of this page.
- When the hand scanner is moved quickly, a beep will sound and the following will be displayed.



スビ[°] - ト[°] カ[°] ハヤスキ[°] マス

7 After scanning the document, press  (Stop).

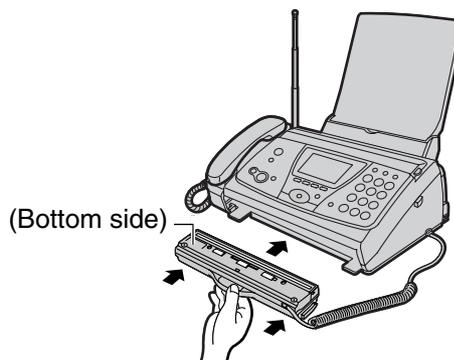
- You will hear a beep, and the scanned document is stored in memory of the main unit. Only 1 page can be scanned.

8 To print the scanned document or to send it by fax, see the next page.

- If you make a mistake, press  (Stop) to erase the content of the memory, then start from step 2.

Important:

- When you have completed scanning, the scanned document in memory will be automatically erased after 10 minutes.
- To reinsert the hand scanner into the main unit, turn the scanner over, and insert it into the main unit firmly.



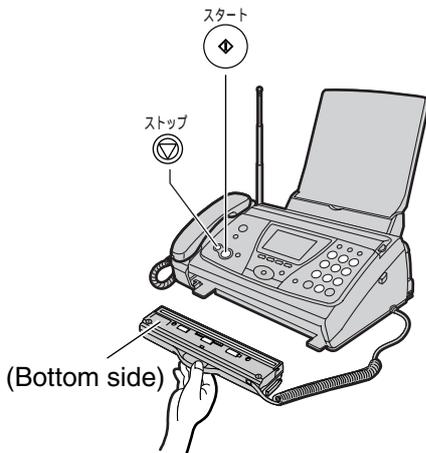
Scanning speed and memory capacity

Resolution type	Scanning speed
Standard	100mm/sec
Fine	50mm/sec
Photo	25mm/sec

Scanning width type	Memory capacity
A4	Max. Approx. 2 pages (A4)
B4	Max. Approx. 1 page (B4)

Using the hand scanner

Printing a scanned content



- 1** When scanning is completed, the following is displayed for 10 minutes.

インジ* [スタート]
ヨミナオシ [ストップ]



コウモクノ
センタクハ[]オス

- 2** Press  (Start) twice.

インジ* プ* スウ=1
[スタート] オス

- 3** Enter the number of copies.

Example: 2 copies

インジ* プ* スウ=2
[スタート] オス

- 4** Press  (Start).

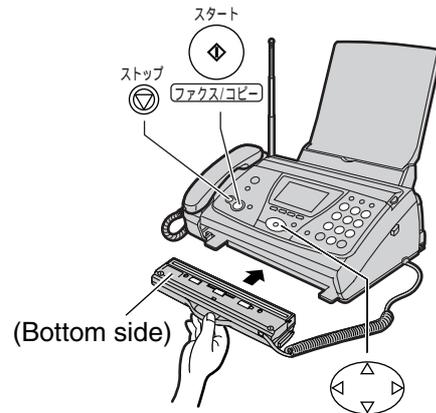
- To send the scanned content by fax, see the information on the right.

インジ* チュウ 01/02

- 5** Insert the hand scanner into the main unit, then press .

- The scanned content in memory will be erased.

Fax sending a scanned content



- 1** When scanning is completed, the following is displayed for 10 minutes.

インジ* [スタート]
ヨミナオシ [ストップ]



コウモクノ
センタクハ[]オス

- 2** Press  (Search button) repeatedly until the following is displayed.

ソウシン [スタート]
ヨミナオシ [ストップ]

- 3** Press  (Fax).

ハ*ソコウ?

- 4** Dial the fax number.

Example: 09876543..

09876543..

- 5** Press  (Fax).

- The unit will start fax transmission.

スキャナー ソウシン

- 6** Insert the hand scanner into the main unit, then press .

- The scanned content in memory will be erased.

Individual e-mail services

Using the e-mail services

Kyushu Matsushita Electric Co., Ltd. (hereafter called "KME") offers individual information services, such as e-mail.

Your fax machine with e-mail features will enable you to send an e-mail to another party's personal computer (PC) or another e-mail fax machine anywhere in the world through the Internet. Also, you will be able to receive an e-mail from them.

To access the Internet using your fax machine,

- you need a credit card (VISA, JCB or MASTER as of February 2002) and
- have to subscribe to individual information services offered by KME beforehand.

The application fee including call charges will be charged to your Credit Card.

Important:

- If your fax machine is connected to a home telephone system or a private branch exchange (PBX) system, these services are not available.

Application fee and call charges

KME information services	Registration fee	¥500
	Information Service fee (Call charge included)	¥20/minute (8 am-11 pm) ¥18.5/minute (11 pm-8 am)

- As of February 2002.
- Tax not included.

KME information services

The following services are available with your fax machine. The information service fee including the call charge will be applied.

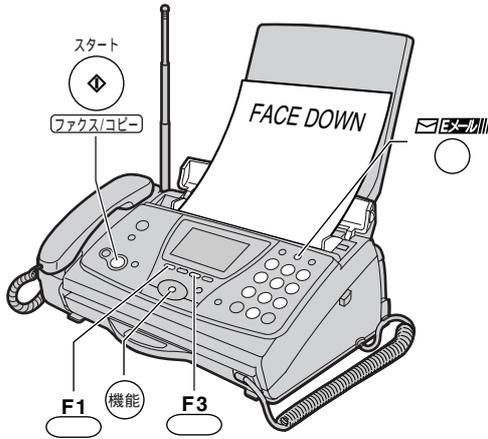
- E-mail reception and printing (page 24)
- Voice e-mail listening (page 24)
- Text e-mail sending (page 25)
- Fax e-mail sending (page 25)
- Voice e-mail sending (page 26)
- Storing another party's e-mail address (free of charge) (page 27)
- Others

Note:

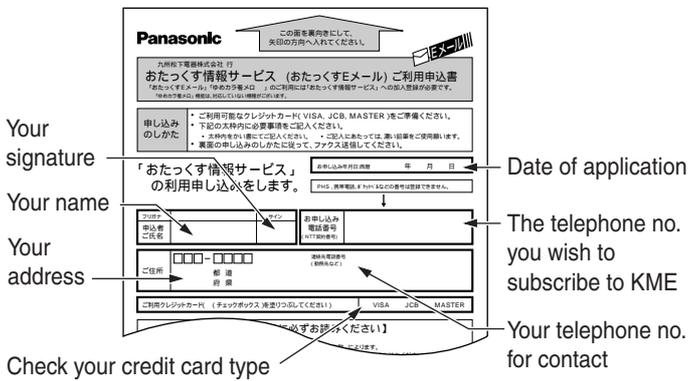
- KME plans to add new information services and the information service fee is subject to change. KME will announce them by e-mail to its customers.
- For the PC user to view your fax e-mail or to hear your voice e-mail sent from your fax machine, the following PC software will be required.
 - E-mail software that can read the MIME format
 - TIFF viewer software
 - WAV sound player software and sound system

Individual e-mail services

Subscribing to KME information services



1 Fill in the included application form.



2 Press **機能** (Function), then press **☐** (E-mail).

3 Press **スタート** (Start).

クレジットカード No. ?
.....-.....-.....-

4 Enter your 16-digit credit card number.

• To correct a mistake, press **クリアー** **F1** (Clear).

5 Press **登録** **F3** (Register).

カクニソタメ モウイチト*
.....-.....-.....-

6 Enter your credit card number again, then press

登録 **F3** (Register).

7 Enter the valid date of your credit card.

ヨウコウキケツ?
... / ... (月/年)
Month Year

8 Press **登録** **F3** (Register).

9 Insert the application form FACE DOWN.

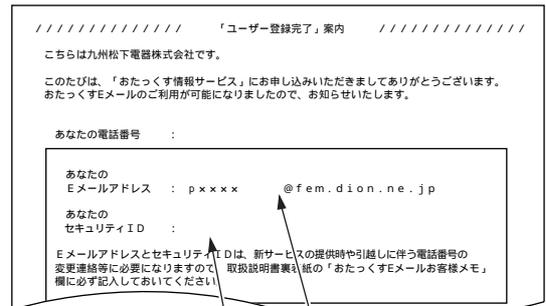
10 Press **スタート** **☐** (Start).

• The unit will start fax transmission.

11 After approx. 5 minutes, the unit will ring, and a data communication will start automatically between your unit and KME.

• If you answer this call, hang up and wait for a while until the communication is completed.

12 When the communication is completed, a user registration form will be printed.



Your e-mail address
Your security ID code

• Please save the address and ID code for future reference.

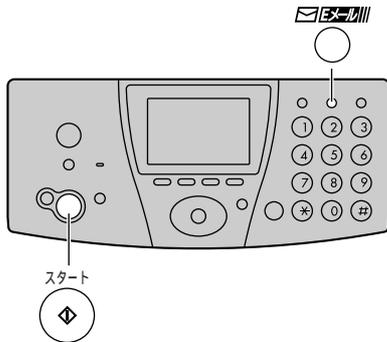
13 Press **☐** (E-mail).

14 Press **スタート** **☐** (Start).

• An information service guide will be printed.

Individual e-mail services

Receiving and printing an e-mail



1 Press  (E-mail).

2 Press  (Start).

- If there is an e-mail you have not viewed yet, the unit will print the received e-mail.
- If there is no e-mail, the following will be displayed.

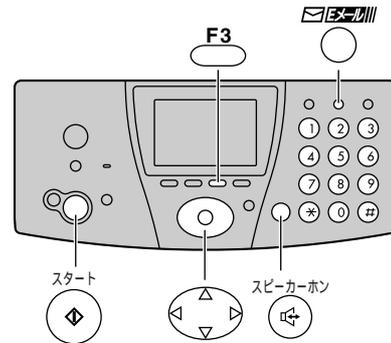
ミシ ュシヨンEメール 0ケン

The file formats recognized by your fax machine are:

- JPEG • ~. doc
- TIFF • ~. xls
- BMP • ~. ppt
- TXT • ~. pdf
- WAV

(as of February 2002)

Listening to a received voice e-mail in an attached file



1 Press  (E-mail).

2 Press  (Search button) repeatedly until the following is displayed.

オンセイ エメール シ ュシヨン
[スタート] オス

3 Press  (Start).

4 Enter the document number with 4 digits.

- See the example below about document number.

5 Press  (Register).

6 Listen to an announcement through the speaker or the handset.

7 Listen to the voice message and operate following voice guidance.

8 Press  (Speakerphone) to finish listening, or replace the handset if you are using it.

Note:

- You can hear a voice in WAV format only.
- Voice data will be saved for 1 week in the server after the e-mail has been received.

Example of received e-mail document.

受信日時：2002/02/01 15:55 合計1ページ

タイトル：鳥の声

送信日時：2002/02/01 15:52:04

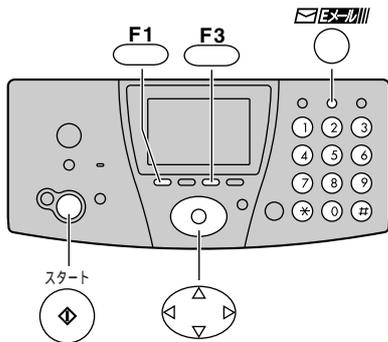
差出人：taro@pana.co.jp

宛先：p1234 @fem.dion.ne.jp

文書番号：0002 ← Document number

Individual e-mail services

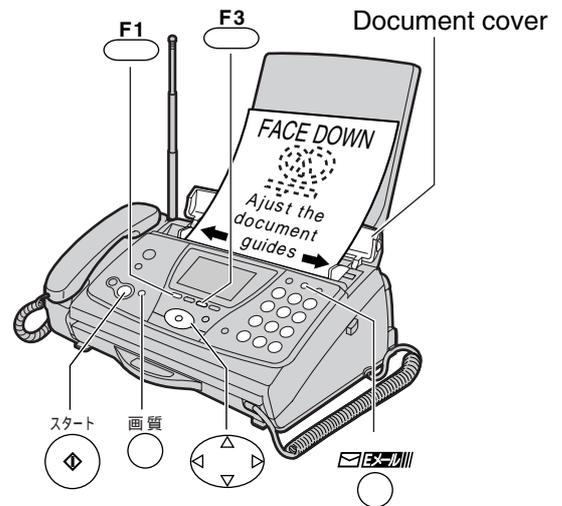
Sending a text e-mail from the main unit



- 1 Press (E-mail).
- 2 Press (Search button) repeatedly until the following is displayed.

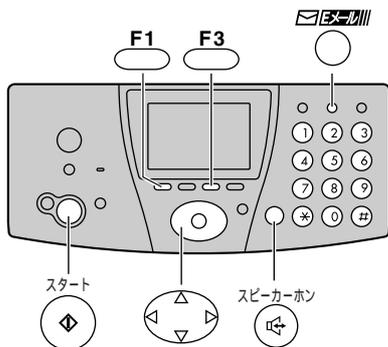
モシ* Eメール ソウシン
 [スタート] オス
- 3 Press (Start).
- 4 Enter the desired e-mail address (see the table on page 9 for instructions), then press (Register).
 - You can select the desired address using the search button.
 1. Press (Phonebook), then press (Search button) repeatedly until the desired e-mail address is displayed.
 2. Press (Register) twice.
To store an address, see page 27.
- 5 Press (Register).
 - The display will show the last title you entered.
To delete this title, press (Clear) for 2 or more seconds.
- 6 Enter the title of your e-mail, up to 32 characters (see the table on page 9 for instructions).
- 7 Press (Register).
 - The display will show the last message you entered.
To delete this message, press (Clear) for 2 or more seconds.
- 8 Enter your e-mail message, up to 200 characters (see the table on page 9 for instructions).
- 9 Press (Register).

Sending a fax e-mail



- 1 Open the document cover, and adjust the width of the document guides to the size of the document.
- 2 Insert the document (up to 5 pages) FACE DOWN until a single beep is heard.
- 3 If necessary, press (Resolution) repeatedly to select the desired setting (see page 15).
- 4 Press (E-mail), then press (Start).
- 5 Enter the desired e-mail address (see the table on page 9 for instructions) and press (Register).
 - You can select the desired address using the search button.
 1. Press (Phonebook), then press (Search button) repeatedly until the desired e-mail address is displayed.
 2. Press (Register) twice.
To store an address, see page 27.
- 6 Press (Register).
 - The display will show the last title you entered.
To delete this title, press (Clear) for 2 or more seconds.
- 7 Enter the title of your fax e-mail, up to 32 characters (see the table on page 9 for instructions).
- 8 Press (Register).

Sending a voice e-mail



1 Press  (E-mail).

2 Press  (Search button) repeatedly until the following is displayed.

オンセイ エメール ソリューション
[スタート] オス

3 Press  (Start).

4 Enter the desired e-mail address (see the table on page 9 for instructions) and press  (Register).

- You can select the desired address using the search button.

1. Press  (Phonebook), then press  (Search button) repeatedly until the desired e-mail address is displayed.

2. Press  (Register) twice.

To store an address, see page 27.

5 Press  (Register).

- The display will show the last title you entered.
To delete this title, press  (Clear) for 2 or more seconds.

6 Enter the title of your e-mail, up to 32 characters (see the table on page 9 for instructions).

7 Press  (Register).

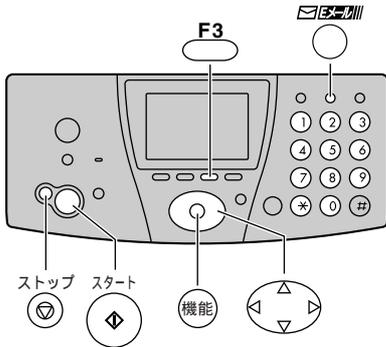
- An announcement about how to record will be heard.

8 Record your voice message up to 60 seconds, following voice guidance, using the microphone or the handset.

9 Press  (Speakerphone) to finish recording, or replace the handset if you are using it.

Individual e-mail services

Storing another party's e-mail address in the search button



- 1 Press (Function), then press (E-mail).
- 2 Press (Search button) repeatedly until the following is displayed.

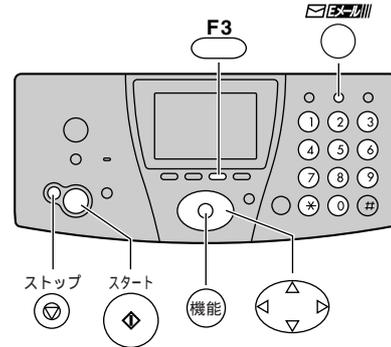
アドレス チョウトウロク [スタート]オス

- 3 Press (Start).

ナマエ=

- 4 Enter the name, up to 12 characters (see the table on page 9 for instructions).
- 5 Press (Register).
- 6 Enter the e-mail address, up to 60 characters (see the table on page 9 for instructions).
- 7 Press (Register).
 - To program other items, repeat steps 4 to 7.
 - You can store up to 30 stations.
- 8 Press (Stop) to exit the program.

Editing a stored e-mail address



- 1 Press (Function), then press (E-mail).
- 2 Press (Search button) repeatedly until the following is displayed.

アドレス チョウ カケニン [スタート]オス

- 3 Press (Start).
- 4 Press (Search button) repeatedly until the desired name is displayed.
- 5 Press (Start).
- 6 Edit the name (see the table on page 9 for instructions), then press (Register).
 - If you do not need to edit the name, press (Register) and skip to step 7.
- 7 Edit the e-mail address (see the table on page 9 for instructions).
 - If you do not need to edit the e-mail address, skip to step 8.
- 8 Press (Register).
 - To edit other items, repeat steps 4 to 8.
- 9 Press (Stop) to exit the program.

Specifications

KX-PW88CL	Main unit	Portable handset	Battery charger
Power supply	AC 100 V (50 Hz/60 Hz)	Ni-Cd battery (Part no. KX-FAN37) DC 2.4 V, 600 mAh	AC adaptor (Part no. PFAP1009) AC 100 V (50 Hz/60 Hz) DC 7.5 V, 100 mA
Power consumption	Transmission: Approx. 16W Reception: Approx. 20W Copy: Approx. 20W Stand by: Approx. 0.9W Maximum(*1): Approx. 125W		<ul style="list-style-type: none"> • Charging: Approx. 1.1W • Stand by: Approx. 0.4W
Dimensions (H x W x D)	Approx. 139 X 344 X 262 mm (without projections) Approx. 378 X 344 X 310 mm (recording paper tray installed, without projections)	Approx. 181X44X40 mm	Approx. 72X72X90 mm
Mass (Weight)	Approx. 3.9 kg (10 m ink film installed)	Approx. 170 g (battery installed)	Approx. 77g
Operating environment	5 °C – 35 °C, 45 % – 85 % RH (Relative Humidity)		

KX-PW88CL	Main unit
Applicable line	Public Switch Telephone Network (Tone/Pulse), F-Net, NCC Lines
DC resistance	320 Ω (*2)
Compatibility	G3 compatible
Document size	B4-A5(Max.257 mm in width, Max. 800 mm in length)
Effective scanning size	252 mm (B4) 208 mm (A4)
Effective printing size	202 mm (A4 size plain paper)
Transmission time	Approx. 15 s/page (Original mode) (*3)
Modem speed	9,600 / 7,200 / 4,800 / 2,400 bps; Automatic fallback
Halftone level	64-level
Scanning density	Horizontal: 8 pels/mm Vertical: 7.7 lines/mm (Fine/Photo), 3.85 lines/mm (Standard)
Scanner type	CCD image sensor
Printer type	Thermal transfer printing on plain paper
Data compression system	Modified Huffman (MH), Original mode
Recording paper size	A4: 210 mm x 297 mm (Plain paper)
Answering device	Greeting message: Digital recording system (up to 16 sec) Pre-recording greeting message ICM Recording: Digital recording system (Approx. 18 min. in total) (*4)
Memory capacity	Max. Approx. 46 pages (Only receiving fax etc.) (*5) Max. Approx. 18 min. (Only Recording message) (*4)

*1 When copying a 100% black document.

*2 If you cannot make a call due to DC resistance, consult your dealer.

*3 Transmission speed is based on an A4-size document of 700 characters sent in standard resolution at 9,600 bps. The actual transmission speed depends upon the contents of the page, resolution, telephone line conditions and capability of the other party's machine.

*4 If there is a silent pause, the total recording time will be longer.

*5 The memory capacity is based on an A4-size document of 700 characters.