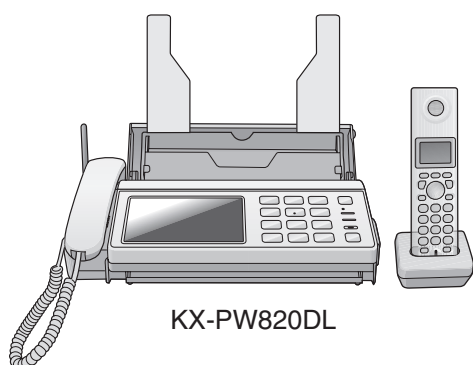


Facsimile

Quick Reference Guide



KX-PW820DL

Model No. **KX-PW820DL**
KX-PW820DW

Main unit: KX-PW820
Portable handset: KX-FKN516

Thank you for purchasing a Panasonic product.

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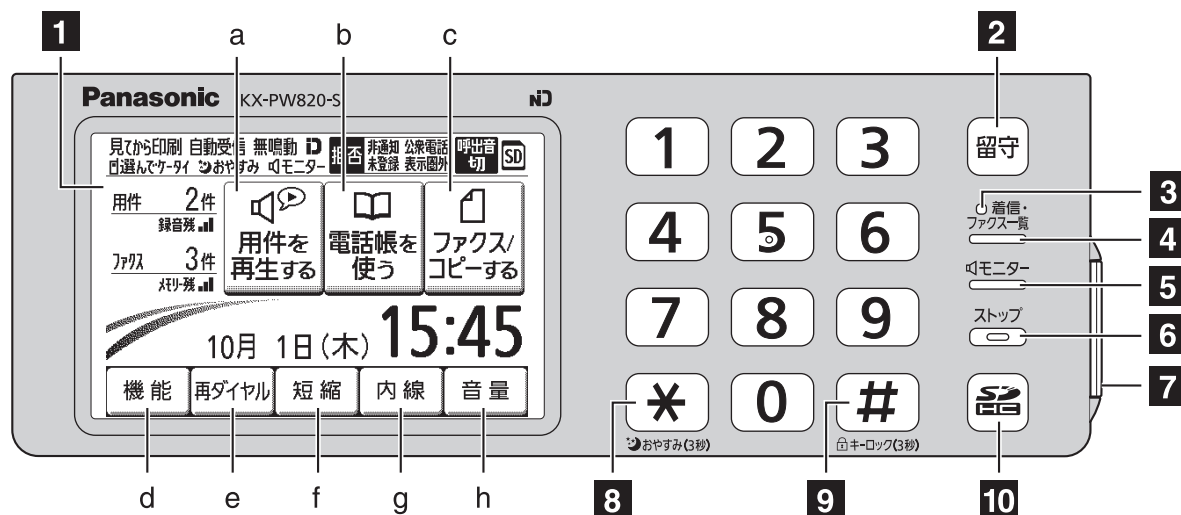
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- This guide explains some basic features and operations, but not all of them.
For further details, see the Japanese operating instructions.
- This product is designed for use in Japan.
Panasonic cannot provide service for this product if used outside Japan.
- KX-PW820DL includes 1 portable handset and 1 main unit.
KX-PW820DW includes 2 portable handsets and 1 main unit.
- Any details given in this guide are subject to change without notice.

This unit is equipped with the voice guide features. (Japanese only)
Cancel the voice guide features after installations and connections.
For details about voice guide, please see page 10.

Finding the controls

Main unit



1 Liquid crystal display (Touch screen)

- Liquid crystal display can be operated by touching the screen. (See below)
- a-h refers to the touch buttons.
 - a. Playback
 - b. Phonebook
 - c. Fax/Copy
 - d. Function
 - e. Redial
 - f. Speed Dialer
 - g. Intercom
 - h. Volume
- The display turns off after about 2 minutes of inactivity.
- To turn on the display, touch the screen.

2 Auto Answer button & indicator

- light on: answering device activated.
- light off: used as a regular telephone.

3 Call/Fax List indicator lights when

- a call was missed. (For Number Display service users.)
- a fax was stored in memory.

4 Call/Fax List button starts a search in

- the Number Display (Caller ID) log.
- the fax list stored in memory.

5 Monitor button

6 Stop button

7 SD Memory Card cover

8 Tone button switches to tone dialing. Night mode button

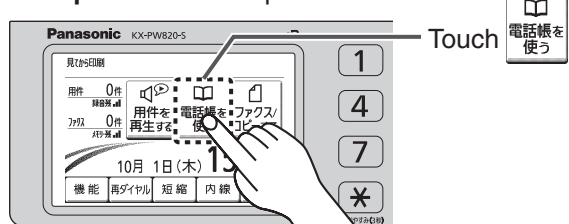
9 Sharp button

- Key lock** button can lock the main unit so that no calls or settings can be made. To turn key lock on, press this button for about 3 seconds until a single beep is heard.
- To turn key lock off, press this button for about 3 seconds.

10 SD button & indicator

To use the touch screen

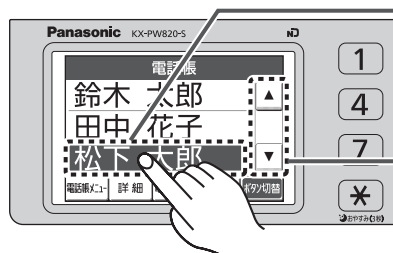
Example : To use the phonebook



- “√” refers to the current setting.

Example: Setting the dialing mode

回線種別	
√ 自動	△
フッシュ	
20	
10	▽



To select a name from the phonebook, touch the desired name.
(Selected name is highlighted.)

- Touch ▼ (▲) to scroll through the name list.

▽ (▲) indicates that the list does not extend beyond the current screen.

To adjust the volume

- To adjust the **ringer volume** when the unit is on stand by

Touch 音量 (Volume) → Touch 呼出音量 (Ringer Volume) → Touch 大 (High) 小 (Low) repeatedly → Touch 決定 (Set)










- To adjust the **receiver volume** while talking, touch 大 (High) 小 (Low) repeatedly.






- To adjust the **speaker volume** while listening to the recorded messages or using the monitor, touch 大 (High) 小 (Low) repeatedly.

Finding the controls




Portable handset (KX-FKN516)

How to use key

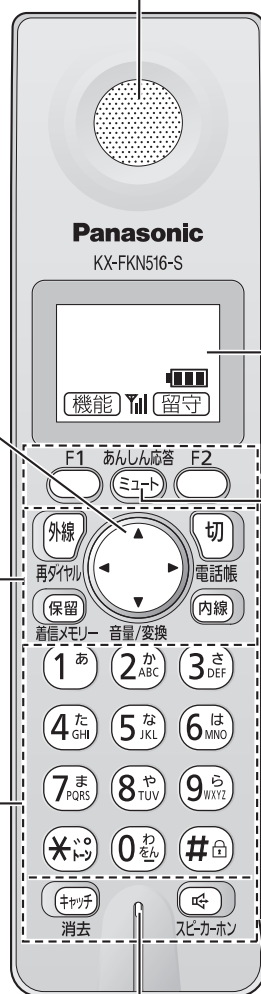
-  ● To use the phonebook.
-  ● To redial the phone numbers in the redial list. The last 10 phone numbers dialed are stored in memory.
-  ● To change Hiragana into Kanji.
- To adjust the volume.
 - To adjust the ringer volume when the portable handset is on stand by
 - (Select “呼出音量”)
 - ⇒  ⇒  (press repeatedly) ⇒  or 
 - To adjust the receiver volume while talking, press  repeatedly
 - To adjust the speaker volume while listening to the recorded messages or using the speakerphone, press  repeatedly

-  ● To make/answer calls.
-  ● To end a call.
- To end or exit from editing or other operations.
-  ● To put a call on hold.
-  ● To start a search in the Number Display log. (For Number Display service users.)
-  ● To page the main unit and/or portable handset(s).

Dial buttons

-  Tone button
 - To switch to tone dialing.
-  Sharp button
- Key lock button
 - To lock the portable handset so that no calls or settings can be made. To turn key lock on, press this button for about 3 seconds until a single beep is heard.
 - “” is displayed.
 - To turn key lock off, press this button for about 3 seconds until a single beep is heard.

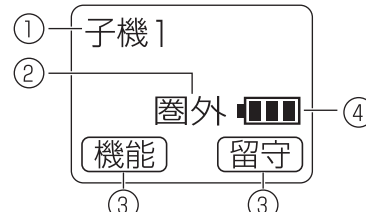
Earpiece





Microphone



(Do not cover the microphone while talking.)

Liquid crystal display



- ① Portable handset number (and name)
- ② No link to the main unit
- ③ Function menu that is controlled by  or 
- ④ Battery strength

How to use buttons

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

あんしん応答
(ミュート)

Secure button

- While the portable handset is ringing, press this button. The portable handset announces a message to the caller. The message is announced in Japanese and means “This unit is currently set to Caller Verifying mode. Could you please speak out your name?”

■ To talk to the caller, press .

■ To hang up, press .

Mute button

- To mute your voice to the other party by pressing this button for about 2 seconds. (To release the mute, press this button again.)

キャッチ
消去

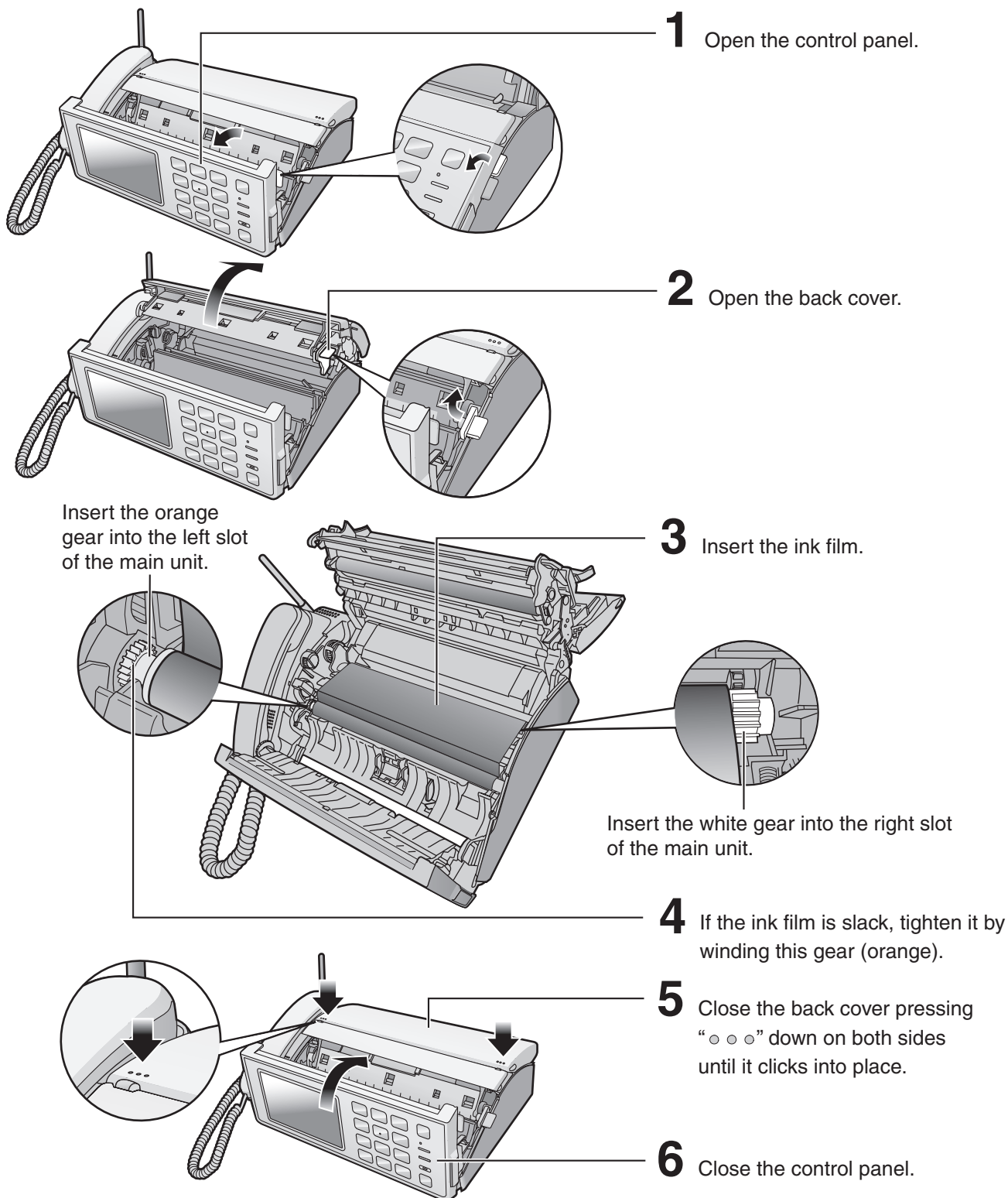
- For call waiting service users.
- To clear letters/numbers.

スピーカホン

- To use the speakerphone.

Installations and connections

Installing the ink film



- When the unit runs out of ink film, the following message will be displayed.

フィルムがなくなりました U23
交換してください (KX-FAN190)

Install a new ink film.

Replacement ink film:	
KX-FAN190 (15 m)	¥ 714
KX-FAN190W (15 m X 2)	¥ 1,208
KX-FAN191 (15 m) (*1)	¥ 893
KX-FAN191W (15 m X 2) (*1)	¥ 1,523

*1 KX-FAN191/KX-FAN191W leaves a fainter print trail on the film than does the KX-FAN190/190W.

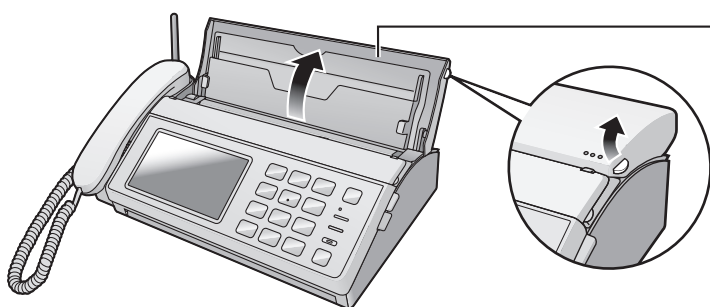
· As of June 2009.

· Tax included.

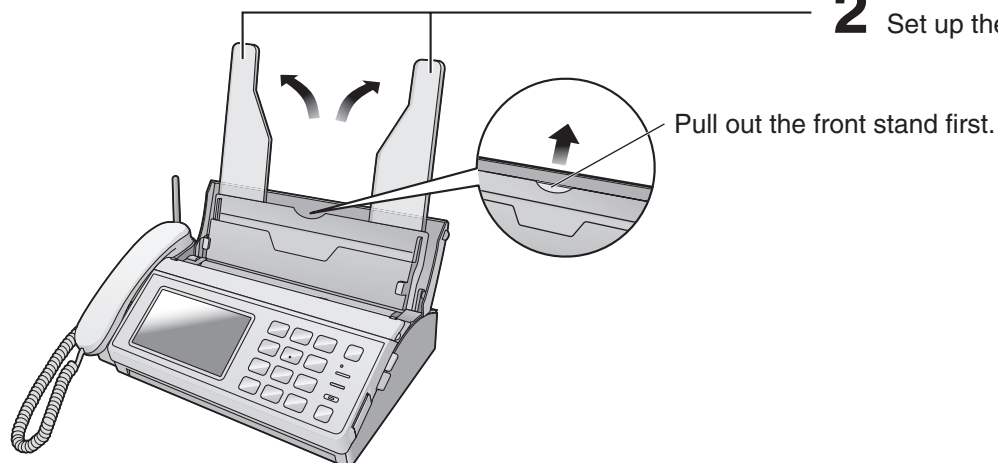
Installations and connections

Installing recording paper (A4 size)

1 Open the recording paper tray.

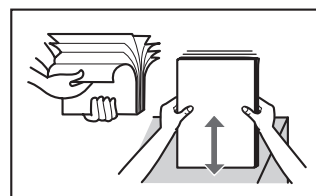
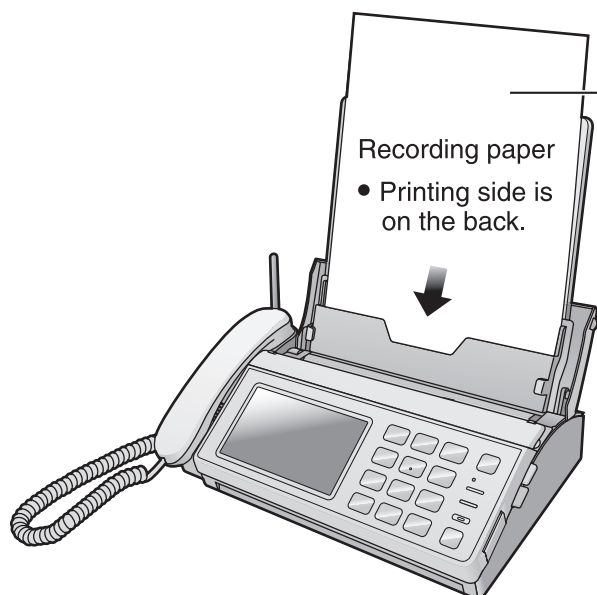


2 Set up the recording paper stands.



3 Insert the recording paper into the recording paper tray. (Up to 15 sheets)

- Fan the stack of recording paper.



Folding the recording paper tray

① Remove the recording paper and fold the recording paper stands in.

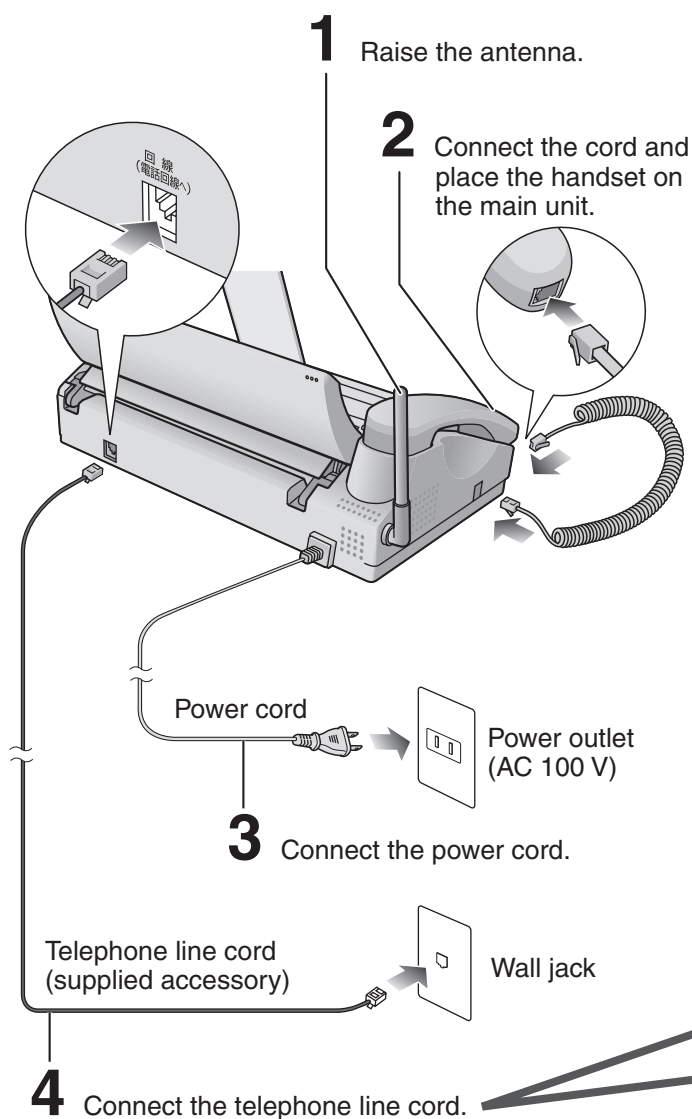


② Close the recording paper tray.



Installations and connections

Connecting the main unit



After the Connecting...

① This unit will automatically select the dialing mode (Pulse/Tone).

② When the following is displayed, touch **機能** (Function) to set the date and time.

日付・時刻を設定するには
[機能] 押す

③ Enter the correct year/month/day.

Example: October 1, 2009

Touch **2** **0** **0** **9** **1** **0**
0 **1**.

日付時刻					
◀ 2009年10月01日 00:00 ▶					
1	2	3	4	5	
6	7	8	9	0	

④ Enter the correct hour/minute in a 24-hour clock entry.

Example: 15:45 (3:45 PM)

Touch **1** **5** **4** **5**.

日付時刻					
◀ 2009年10月01日 15:45 ▶					
1	2	3	4	5	
6	7	8	9	0	

⑤ Touch **決定** (Set).

⑥ When the following is displayed, press **ストップ** (Stop).

選んでダイヤル設定を開始します
[決定] を押してください

↓ If you cannot make a call...

Set the dialing mode with the main unit.

1. Touch **機能** (Function).

2. Press **#** **0** **7** **9**.

3. Touch to select the desired setting.

回線種別	
✓ 自動	△
フッシュ	
20	
10	▽

- フッシュ: Tone
- 20: Pulse (20 PPS)
- 10: Pulse (10 PPS)
- 自動: Auto (Default)

4. Press **ストップ** (Stop).

■ To adjust the date and time


1. Touch **機能** (Function), then press **#** **0** **0** **1**.

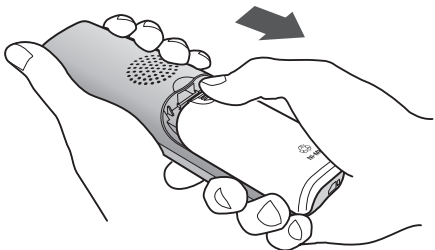
2. Enter the correct year/month/day/hour/minute.

3. Touch **決定** (Set), then press **ストップ** (Stop).

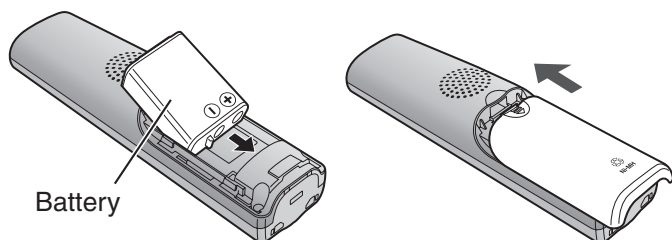
Installations and connections

Setting up the portable handset (KX-FKN516)

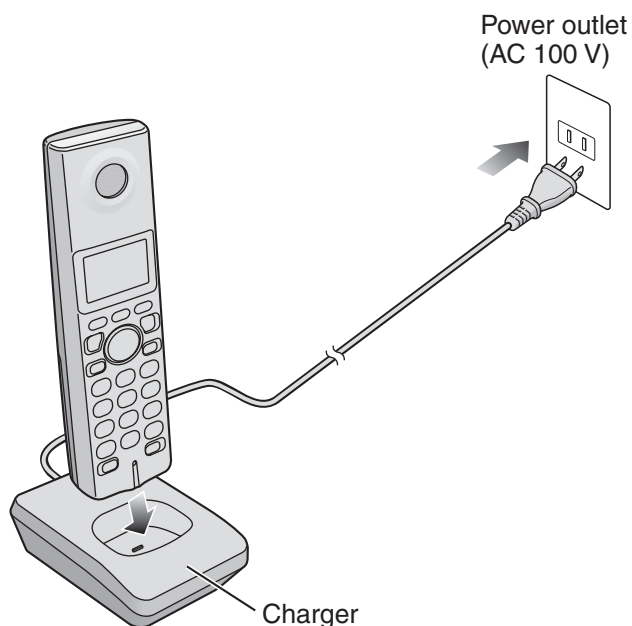
- 1 Press  on the battery cover and slide the cover.



- 2 Insert the battery into the compartment and close the battery cover.



- 3 Connect the charger to the power outlet, then place the portable handset on the charger for about **10 hours**.




- After your Panasonic battery is fully charged, it will last up to about 5 hours of conversation.

Setting your facsimile telephone number to the main unit

- 1 Touch  (Function).

- 2 Press .

- 3 Touch  to enter your facsimile telephone number, up to 20 digits.

Example: +098 7654..

あなたの電話番号									
+098 7654..									
1	2	3	4	5					
6	7	8	9	0					
				スペース	+				

- The  (Space) button replaces the digit with a space.
- To correct a mistake, touch  (Erase).

- 4 Touch  (Set).

登録しました



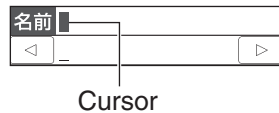
あなたの電話番号									
+098 7654..									
1	2	3	4	5					
6	7	8	9	0					
				スペース	+				

- 5 Press  (Stop).

Setting your logo to the main unit

1 Touch **機能** (Function).

2 Press **# 0 0 2**.

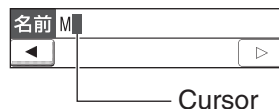


3 Enter your logo, up to 30 characters, using the touch screen.

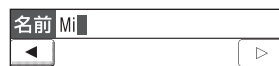
- To enter English characters, touch **文字切替** (Character input mode) repeatedly until English letters are displayed.
- Detailed instructions are given on the right.

Example: Micah

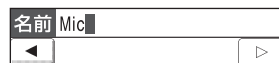
1. Touch **M**.



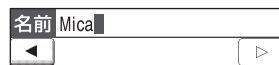
2. Touch **小文字** (Lower case) **i**.



3. Touch **c**.



4. Touch **a**.



5. Touch **h**.



4 Touch **決定** (Set).



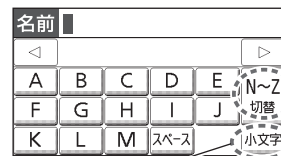
5 Press **ストップ** (Stop).

Character input mode for the main unit

To change the character input mode, touch **文字切替** (Character input mode) repeatedly.

- Input mode can be switched in the following order:
Hiragana → Katakana → English → Numbers → Signs

English input mode



To enter N~Z/A~M, touch

N~Z 切替 (Change to N-Z)/

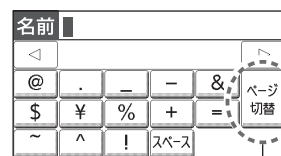
A~M 切替 (Change to A-M).

- To enter lower case letters, touch **n~z 切替** (Change to n-z)/

a~m 切替 (Change to a-m).

To enter lower case/upper case letters, touch **小文字** (Lower case)/ **大文字** (Upper case).

Sign input mode



There are 3 pages of different signs.

To enter a different sign, touch **ページ切替** (Next page).

Character (Signs)															
@	.	_	-	&	\$	¥	%	+	=	~	^	!			
?	/	-	*	#	,	:		.	'	"	(
)	[]	{	}	<	>	「	」	,	。	。°				

- The characters on the display are somewhat different from those shown in the character list.

- To move the cursor to the left and right, touch **◀ ▶**.
- To delete a character, touch **消去** (Delete).
- To insert a space, touch **スペース** (Space).

Character input and command key table for the portable handset

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













Character	Hiragana	Katakana	English	Numbers
Display of the portable handset Dial key	[漢]	[カ]	[英]	[数]
(Portable handset) KX-FKN516 ①	あいうえお あいうえお	アイウエオ アイウエオ	@ . _ - & \$ ¥ % + = ~ ^	1
②	かきくけこ	カキクケコ	A B C a b c	2
③	さしすせそ	サシスセソ	D E F d e f	3
④	たちつてとっ	タチツテトツ	G H I g h i	4
⑤	なにぬねの	ナニヌネノ	J K L j k l	5
⑥	はひふへほ	ハヒフヘホ	M N O m n o	6
⑦	まみむめも	マミムメモ	P Q R S p q r s	7
⑧	やゆやゃゅょ	ヤユヨゃゅょ	T U V t u v	8
⑨	らりるれろ	ラリルレロ	W X Y Z w x y z	9
⑩	わをんー！？()	ワヲンー！？()	! ? / - * # , ; : . ' " () [] { } < > 「 」	0
✳	ゝ っ 、 。		、 。	
Command keys	F2 Used to change the character input mode.			
	Used to move the cursor to the left and right.			
	Used to delete a character.			
	Used to insert a space.			

- The characters on the display are somewhat different from those shown in the character input and command key table.

Voice guide

Operation guide

The unit starts the following voice guidance in Japanese:

Operations	To cancel the operation guide (using the main unit)
Send a fax	 → → → → →  → 
Copy	
Add entries to the phonebook	 → → → → →  → 
Store phonebook entries in the speed dialer	
Make a call using the phonebook/redial/speed dialer/ call memory	 → → → → →  → 
Change a ink film	
View the fax list	 → → → → →  → 

Reading-out dial

The unit announces the number dialed in Japanese, when you make a call with the main unit.

• To cancel the reading-out dial



Reading-out phonebook

The unit reads out stored names* when the phonebook is searched.

• To cancel the reading-out phonebook



Incoming name announcement (for Number Display service subscribers only)

The unit announces the caller's name* when a call is received from a caller whose name and phone number are stored in the phonebook.











• To cancel the incoming name announcement





* Names will only be read out when their “フリガナ” (readings) are stored in katakana in the phonebook.
English, numbers and signs in “フリガナ” are not read out.

Automatic dialing on the main unit










Storing names and telephone numbers in the phonebook

- 1 Touch  (Phonebook).
 - “XXX” shows the remaining station numbers you can store.
 - You can program up to 150 stations, including 4 pre-programmed stations.
- 2 Touch  (Register).
- 3 Enter the name, up to 20 characters (see “Character input mode for the main unit” on page 8 for instructions).
- 4 Touch  (Set) 2 times.
- 5 Enter the telephone number, up to 24 digits.
 - To correct a mistake, touch  (Erase).
- 6 Touch  (Set).
- 7 Select the group number [] (Group 1) to  (Group 9).
- 8 Touch  (Set).
 - To program other items, repeat steps 3 to 8.
- 9 Press  (Stop) to exit the program.

Making a voice call using the phonebook

- 1 Touch  (Phonebook), then touch  (Search).
- 2 Select the desired name.
- 3 Lift the handset.

Editing a stored name or number in the phonebook

- 1 Touch  (Phonebook), then touch  (Search).
- 2 Select the desired name.
- 3 Touch  (More buttons), then touch  (Edit).
- 4 Edit the name (see “Character input mode for the main unit” on page 8 for instructions).
 - If you do not need to edit the name, skip to step 5.
- 5 Touch  (Set).
- 6 Edit the kana.
 - If you do not need to edit the kana, skip to step 7.
- 7 Touch  (Set).
- 8 Edit the telephone number.
 - If you do not need to edit the telephone number, skip to step 9.
- 9 Touch  (Set).
- 10 Select the group number.
 - If you do not need to change the group number, skip to step 11.
- 11 Touch  (Set).
- 12 Press  (Stop).

Automatic dialing on the main unit

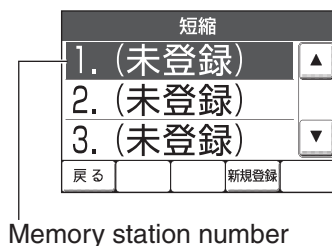
Storing names and telephone numbers in the speed dialer

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 Touch  (Speed dialer).

2 Select the memory station by touching the screen.

Example: speed dialer 1



3 Touch  (Register).

4 Select the desired name.

5 Touch  (Set).

- To program other items, repeat steps 2 to 5.

6 Press  (Stop) to exit the program.

Making a voice call using the speed dialer

1 Touch  (Speed dialer).



2 Select the memory station by touching the screen.

3 Lift the handset.

Erasing a stored name and number in the speed dialer


1 Touch  (Speed dialer).


2 Select the memory station by touching the screen.


3 Touch  (Erase), then touch  (Yes).

4 Press  (Stop) to exit the program.

Recording a telephone conversation on the main unit

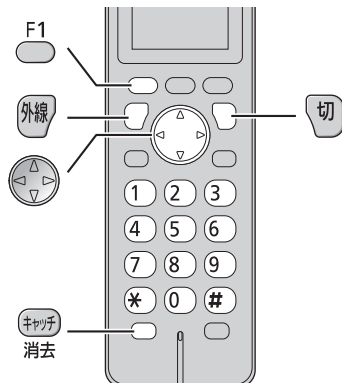
1 While talking, touch  (Record).

2 Touch  (Cancel the precaution voice message) and the recording starts.

3 Press  (Stop) to end the recording.

Automatic dialing on the portable handset (KX-FKN516)

Storing names and telephone numbers in the phonebook



- 1 Press 電話帳 (Phonebook).
- 2 Press .
 - “XXX” shows the remaining station numbers you can store.
 - You can program up to 150 stations, including 4 pre-programmed stations.
- 3 Enter the name, up to 20 characters (see the table on page 9 for instructions).
- 4 Press 2 times.
- 5 Enter the telephone number, up to 24 digits.
 - To correct a mistake, press (Flash/Erase).
- 6 Press .
- 7 Enter the group number (to).
- 8 Press .
- 9 Press (Off) to exit the program.

検索は
[▼,▲]を押す

名前?
空き XXX件

Making a voice call using the phonebook

- 1 Press 電話帳 (Phonebook).
- 2 Press (Search button) repeatedly until the desired name is displayed.
- 3 Press (Talk).

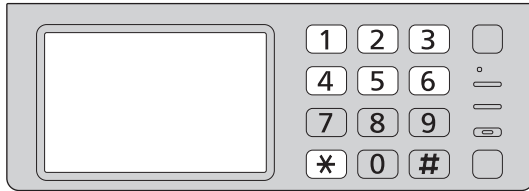
Editing a stored name or number in the phonebook

- 1 Press 電話帳 (Phonebook).
- 2 Press (Search button) repeatedly until the desired name is displayed.
- 3 Press .
- 4 Edit the name (see the table on page 9 for instructions).
 - If you do not need to edit the name, skip to step 5.
- 5 Press .
- 6 Edit the kana.
 - If you do not need to edit the kana, skip to step 7.
- 7 Press .
- 8 Enter the correct telephone number.
 - If you do not need to edit the telephone number, skip to step 9.
- 9 Press .
- 10 Edit the group number.
 - If you do not need to edit the group number, skip to step 11.
- 11 Press .
- 12 Press (Off) to exit the program.

Intercom

An intercom is available between the portable handsets or between the main unit and portable handset(s).

Using the main unit:



1 ■ For single portable handset users

- ① Touch **内線** (Intercom).

子機1呼出中

- ② Lift the handset.

■ For multiple portable handset users

- ① Touch **内線** (Intercom).
- ② Call the portable handset(s) in the following ways:
 - To call a specific portable handset, press the portable handset number (**1** to **6**) which you want to call.
 - To call all the portable handsets, press *****.
- ③ Lift the handset.

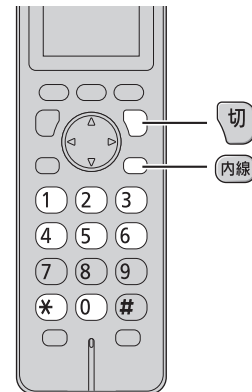
2 Start talking.

Example :

子機1内線通話中

3 Replace the handset to end the intercom call.

Using the portable handset (KX-FKN516):



1 ■ For single portable handset users

- Press **内線** (Intercom).

■ For multiple portable handset users

- ① Press **内線** (Intercom).
- ② Call the main unit and/or portable handset(s) in the following ways:
 - To call a specific portable handset, press the portable handset number (**1** to **6**) which you want to call.
 - To call the main unit, press **0**.
 - To call the main unit and all the portable handsets, press *****.

2 Start talking.

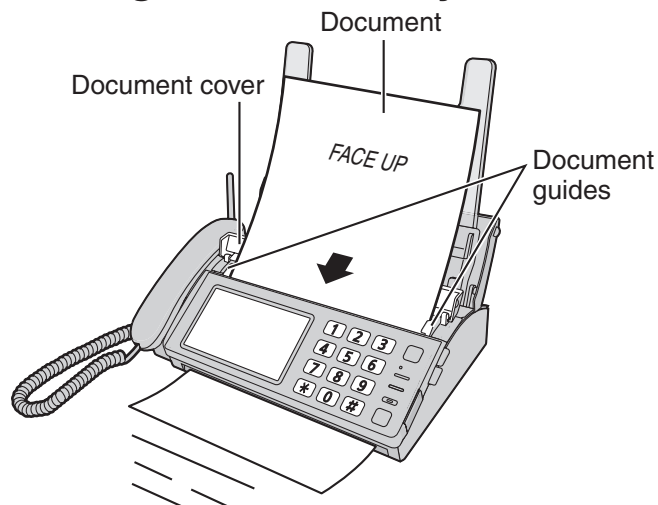
内線通話中



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

Sending faxes


Cancel the voice guide features before sending a fax. (See page 10)

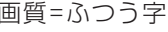
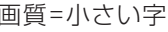
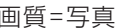
Sending a fax manually



- 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 UP until a single beep is heard.
- 3 If necessary, touch  (Resolution) repeatedly to select the desired resolution (see below).
- 4 Dial the fax number.
- 5 Touch  (Fax).
 - The unit will start fax transmission.




To select the resolution

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



 画質=ふつう字	(Standard) for printed or typewritten originals with normal-sized characters.
 画質=小さい字	(Fine) for originals with minute printing.
 画質=写真	(Photo) for originals containing photographs.

Sending a fax using automatic dialing

Using the phonebook




- 1 Insert the document (up to 5 pages) FACE UP until a single beep is heard.
- 2 When the display returns to the stand-by screen after 5 seconds, touch  (Phonebook),  (Search).
- 3 Select the desired name.
- 4 Touch  (Fax).
 - The unit will start fax transmission.

Using the speed dialer

- 1 Insert the document (up to 5 pages) FACE UP until a single beep is heard.
- 2 When the display returns to the stand-by screen after 5 seconds, touch  (Speed dialer).
- 3 Select the memory station by touching the screen.
- 4 Touch  (Fax).
 - The unit will start fax transmission.

Copying documents

Cancel the voice guide features before copying a document. (See page 10)

- 1 Install the recording paper (see page 5).
- 2 Insert the document (up to 5 pages) FACE UP until a single beep is heard.
- 3 When the display returns to the stand-by screen after 5 seconds, touch  (Fax/Copy).
 - If necessary, before the display changes, touch  (Resolution) repeatedly to select the desired resolution (see above).
- 4 Touch  (Copy).
 - The unit will start copying.

Receiving faxes

You can select beforehand whether to receive faxes by “Receive in memory” or “Receive on recording paper”.

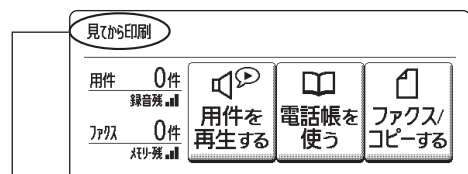
Receive in memory : The received fax will be stored in the main unit memory or the SD Memory Card. You can check the contents on the display, then print them if necessary.

Receive on recording paper : The received fax will be printed on recording paper.

■ Setting/canceling “Receive in memory”

Touch **機能** (Functions), **見てから印刷入切** (Receive in memory), then **はい** (Yes).

(Changes each time they are touched.)

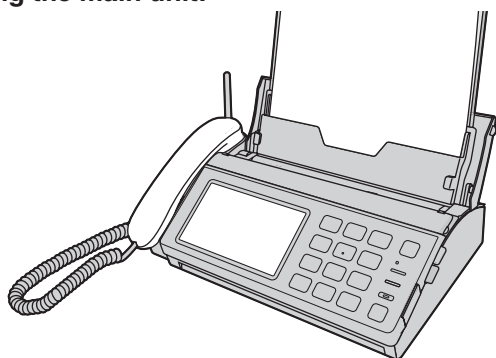


見てから印刷 Receive in memory

With no display: Receive on recording paper

Receiving a fax manually (AUTO ANSWER off)

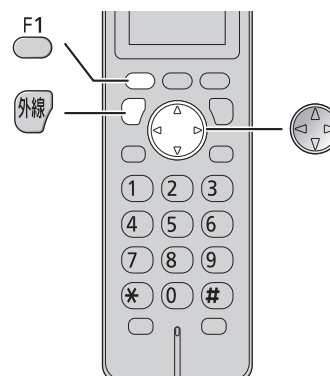
Using the main unit:



1 When you hear a ring, lift the handset to answer the call.

2 When:
 – document reception is required,
 – a fax calling tone (slow beep) is heard, or
 – no sound is heard,
 touch **その他ボタン/ファクス受** (More buttons), **ファクス** (Fax), then replace the handset.
 • The unit will start fax reception.

Using the portable handset (KX-FKN516):



1 When you hear a ring, lift the portable handset from the charger, then press **外線** (Talk) to answer the call.

2 When:
 – document reception is required,
 – a fax calling tone (slow beep) is heard, or
 – no sound is heard,
 press **F1**.

3 Press **検索** (Search button) repeatedly until the “ファクス受信” is displayed, then press **F1**.

4 Press **F1**.
 • The main unit will start fax reception.

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.

Receiving faxes

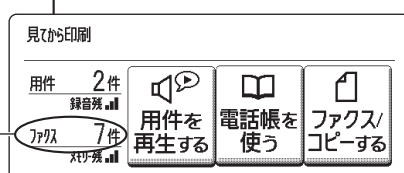
Display when faxes are received in memory

When new faxes are received in memory,  (Call/Fax list) will light on.

- It will also light on when a call is missed.
(For Number Display service users.)
- If an SD Memory Card is inserted, new faxes will be received in the SD Memory Card. (To view the faxes in the SD Memory Card, see page 23.)




Example:



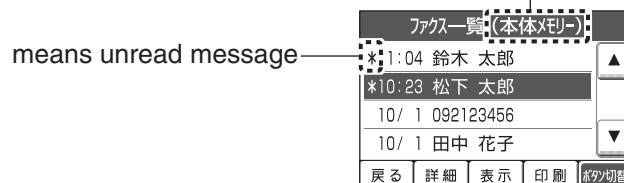
The number of faxes stored in the main unit memory is displayed.


Viewing faxes stored in memory

1 Press  (Call/Fax list).

2 Touch  (fax list in the main unit memory).


3 Select a fax to display. means the main unit memory




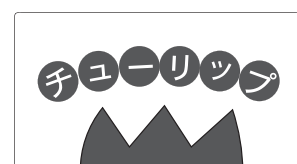
- You can view a detailed fax list by touching  (Detail).



means this message has not been saved to any SD Memory Cards



4 Touch  (Display) to view the fax (see below for detail).

- To print the displayed page, touch  (Print a Page).



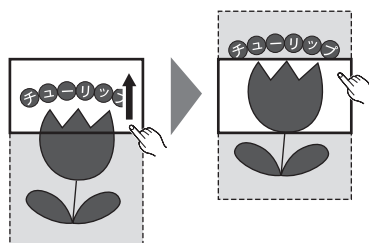
5 To view other faxes, touch  (Return) and repeat steps 3–5. To exit the program, press  (Stop).

Information about display



■ To scroll display contents



Touch the screen and slide your finger in the desired direction to scroll.

(Example)



■ To enlarge or reduce content

To enlarge the display content: Touch  (More buttons),  (Enlarge).



To reduce the display content: Touch  (More buttons),  (Reduce).

■ Scroll pages

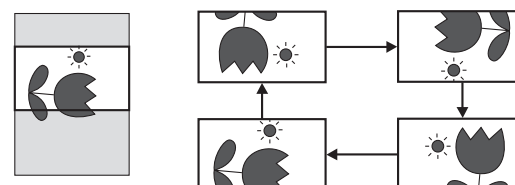
To show the next page: Touch  (Next page).

To show the previous page: Touch  (Previous page).

■ To turn display contents




Touch  (More buttons),  (Turn).

(Example)






Receiving faxes





Printing a specific fax stored in memory

- 1 Press  (Call/Fax list).
- 2 Touch  (fax list in the main unit memory).
- 3 Select the desired fax to print, then touch  (Print).
- 4 After printing, the following is displayed.

Do you delete the printed contents ? 印刷した内容を消去しますか？

 - If you want to delete the fax, touch  (Yes).
 - If you want to hold the fax, touch  (No).
- 5 Press  (Stop).

Deleting a specific fax stored in memory




- 1 Press  (Call/Fax list).
- 2 Touch  (fax list in the main unit memory).
- 3 Select the desired fax to delete.
- 4 Touch  (More buttons),  (Delete).

消去しますか？

Do you delete the fax ?

or

消去しますか？
このファクスは未読です

Do you delete the new fax ?
- 5 If you want to delete the fax, touch  (Yes).
 - If you want to hold the fax, touch  (No).
- 6 If you want to delete other faxes, repeat steps 3–5.
- 7 Press  (Stop).

Operating the built-in answering device






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 Touch  (Function).
- 2 Press    .

受話器を取ってください
- 3 Lift the handset.
- 4 Touch  (Start) and speak your greeting message after a beep, up to 16 seconds, to the handset.
- 5 Touch  (End) and replace the handset.
 - Your greeting message will be played back automatically.

Erasing your own greeting message

- 1 Touch  (Function).
- 2 Press    .

消去しますか？
- 3 Touch  (Yes).
 - The pre-recorded Japanese greeting message will be played when you receive a call.

Operating the built-in answering device

Activating the answering device



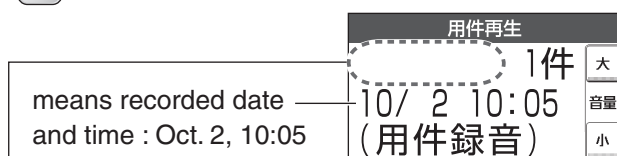
If an SD Memory Card is available (inserted), voice messages will be recorded to the SD Memory Card. (See page 22.)

- 1 Turn the **留守** (Auto answer) light on by pressing **留守**.
- 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 **留守** (Auto answer) light will flash.

Press **留守** to listen to recorded messages.



If an SD Memory Card is inserted, the following variations may occur:

- (SD)** : Playing a message in the SD Memory Card.
- (未保存)** : Playing a message in the main unit that is not saved to any SD Memory Card.
- Blank** : Playing a message in the main unit that has been saved to an SD Memory Card.

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

再生した用件を消去しますか？

- To erase the messages, touch **はい** (Yes).
- To save the messages, touch **いいえ** (No).

Listening to all of the recorded messages

Touch **用件を再生する** (Playback), then touch **すべて再生する** (Playback all).

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

本体メモリの用件をすべて消去しますか？

Do you erase all messages in the main unit memory ?

or

すべて消去しますか？

Do you erase all messages ?

- To erase the messages, touch **はい** (Yes).
- To save the messages, touch **いいえ** (No).

Erasing a specific message

Touch **ボタ切替** (More buttons), **消去** (Erase) while listening to the message you want to erase, then touch **はい** (Yes).

Erasing all of the recorded messages

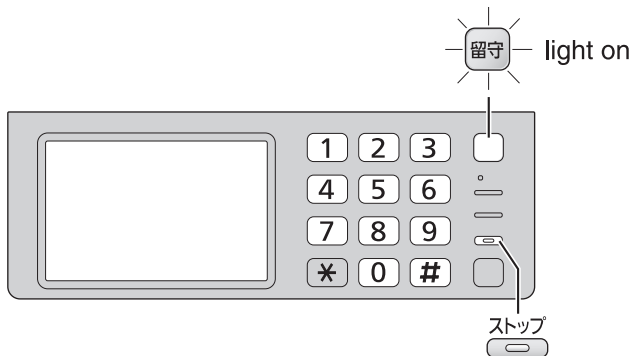
1 Touch **用件を再生する** (Playback).

2 Touch **全消去** (Erase all).

- When not using an SD Memory Card, touch **はい** (Yes).
- When using an SD Memory Card, delete messages as follows:
 - To erase the main unit memory messages, Touch **本体メモリー** (Main unit), **はい** (Yes).
 - To erase the main unit memory messages and the SD Memory Card messages, Touch **本体メモリー+SDカード** (Main unit+SD), **はい** (Yes).
 - To erase the SD Memory Card messages, Touch **SDカード** (SD card), **はい** (Yes).

Operating the built-in answering device

Operating the answering device from a remote location



Preparation: Programming the remote operation ID

1. Touch **機能** (Function).
2. Press **# 0 0 6**.
3. Enter any 4-digit number (remote operation ID) except * or #.

Example :

留守電暗証番号			
<	1234	>	

4. Touch **決定** (Set).
5. Press **ストップ** (Stop).

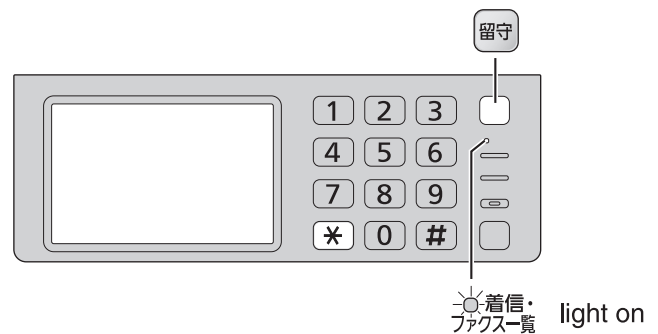
Operation: Listening to a recorded message from a remote location

Turn the **留守** (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 **2** or wait 4 seconds.
 - Only the new recorded messages will be played back.
 - To listen to all the recorded messages, press **4** after the new messages have been played back.

Night mode

Turn on the night mode



Press ***** (Night mode) for about 3 seconds.

- “**おやすみ**” is displayed and **留守** lights on.
- When a call is received during night mode, the unit will handle the call silently, either by storing the received fax into memory or by recording the caller's message.
- Night mode allows you to select a block of time during which the unit will not ring for outside calls or make sounds when you change the settings. This feature is useful when you do not want to be disturbed, for example, while sleeping.

Listening to recorded messages

When new messages are recorded, the following will be displayed.

新しい用件が録音されました

Touch **用件を再生する** (Playback), then touch **新規のみ再生する** (Playback new messages) to listen to recorded messages.

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

再生した用件を消去しますか?

- To erase the messages, touch **はい** (Yes).
- To save the messages, touch **いいえ** (No).

Printing received fax documents

When new faxes are received, the **着信・ファクス一覧** (Call/Fax list) light will turn on.

To print the faxes, see “Printing a specific fax stored in memory” on page 18.

To print the faxes in the SD Memory Card, see page 23.

Turn off the night mode


Press ***** (Night mode) for about 3 seconds.

Call block


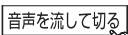
Blocking the incoming calls

Using the main unit:

To block a call using a message


While the unit is ringing, touch  (Block).

OR

While you are on an incoming call, touch  (Block), then touch  (Voice).

- The unit announces a message to the caller 2 times, then hangs up automatically. The message is announced in Japanese and means “We’re sorry, but your call cannot be connected.”.

To block a call using chimes

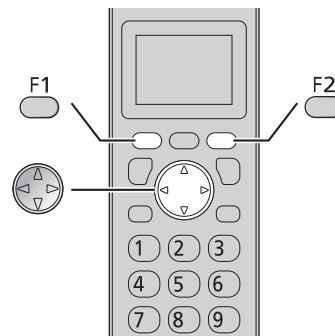
1 While you are on an incoming call, touch  (Block).

2 Touch  (Chime).

- Chimes are heard by the caller.

3 Explain to the caller that a visitor came and hang up.

Using the portable handset (KX-FKN516):






To block a call using a message






While the unit is ringing, press  2 times.

OR

While you are on an incoming call,

- 1** Press .
- 2** Press  (Search button) repeatedly until “通話拒否” is displayed.
- 3** Press  2 times.
 - The unit announces a message to the caller 2 times, then hangs up automatically. The message is announced in Japanese and means “We’re sorry, but your call cannot be connected.”.

To block a call using chimes

- 1** While you are on an incoming call, press .
- 2** Press  (Search button) repeatedly until “通話拒否” is displayed, then press .
- 3** Press  (Search button) repeatedly until “チャイム” is displayed, then press .
- 4** Explain to the caller that a visitor came and hang up.


For Number Display service subscribers

- If you subscribe to Number Display service, the message heard by the caller will change according to the caller’s situation.


Example : If the caller requested not to send caller’s information, the message heard by the caller will change to mean “Your phone number is blocked by service provider. Please call again with adding ‘186’ to the beginning of the phone number.”.


- When the following is displayed after blocking an incoming call, you can set the unit to block the call from the same telephone number.

Using the main unit:

■ To block the call, touch  (Yes).




■ To cancel blocking, touch  (No).


- When the following is displayed, touch  (No) to cancel.

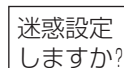


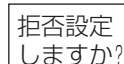
Using the portable handset:

■ To block the call, press .

■ To cancel blocking, press .

- When the following is displayed, press  to cancel.





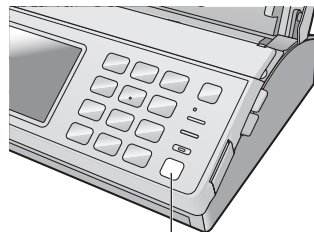
SD Memory Card

Compatible SD Memory Card

- SD Memory Card (2 GB or less)
- SDHC Memory Card (32 GB or less)

SD indicator

- The SD indicator lights up if an SD Memory Card has been inserted.
- The SD indicator flashes while reading or writing to the SD Memory Card.

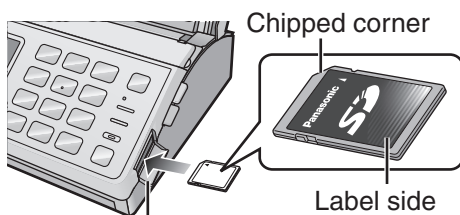


SD indicator

- **Never remove the card while the indicator is flashing.**

Inserting the SD Memory Card

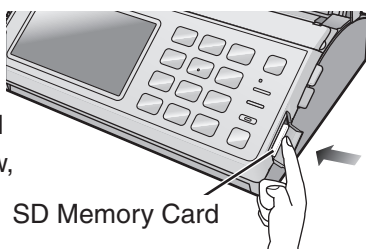
Open the SD Memory Card cover, and insert the SD Memory Card in the direction of the arrow.



SD Memory Card cover

Removing the SD Memory Card

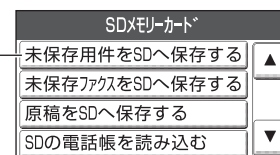
While the SD indicator is illuminated (not flashing), open the cover, push the SD Memory Card in the direction of the arrow, then pull it out.



SD Memory Card

Saving unsaved voice messages to the SD Memory Card

- 1 Press (SD Card).



- 2 Touch (Save unsaved voice messages to SD Card).

- 3 Touch (Yes).

Listening to voice messages in the SD Memory Card

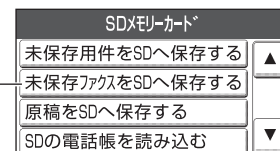
See "Listening to recorded messages" and "Listening to all of the recorded messages" on page 19.

Deleting voice messages from the SD Memory Card

See "Erasing a specific message" and "Erasing all of the recorded messages" on page 19.

Saving unsaved faxes to the SD Memory Card

- 1 Press (SD Card).



- 2 Touch (Save unsaved faxes to SD Card).

- 3 Touch (Yes).

- 4 When the SD indicator stops flashing and remains on, press (Stop).

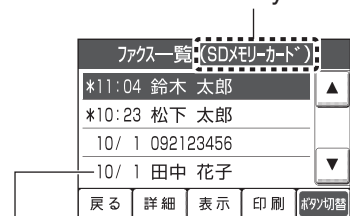
SD Memory Card

Viewing/Printing faxes in the SD Memory Card

1 Press  (Call/Fax list).


2 Touch  (Fax in SD Card).


means the SD Memory Card




October 1st
(Date or time of reception)


4 Select a fax to view/print.

5 ■ To view the fax, touch  (Display).

■ To print the fax, touch  (Print).


After printing:

● If you want to delete the fax, touch  (Yes).



● If you want to hold the fax, touch  (No).


Deleting faxes from the SD Memory Card

1 Press  (Call/Fax list).

2 Touch  (Fax in SD Card).

3 Select the desired fax to delete.

4 Touch  (More buttons),  (Delete).

5 Touch  (Yes).

Displaying documents/Listening voice messages on a PC

• OS environment

Microsoft® Windows® 98 operating system

Microsoft® Windows® Millenium Edition operating system

Microsoft® Windows® 2000 operating system

Microsoft® Windows® XP operating system

Microsoft® Windows Vista® operating system

• Image file : (TIFF format)

Folder : \PRIVATE\MEIGROUP\PCC\FAX\DOC

• Audio file : (WAVE format : It can be played using Windows Media® Player or QuickTime.)

Folder : \PRIVATE\MEIGROUP\PCC\FAX\REC

Formatting SD Memory Card

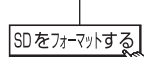
To use an SD Memory Card formatted on a PC or other device, format it as follows.

Formatting the SD Memory Card deletes all stored data; this data cannot be recovered.

1 Press  (SD Card).

2 Touch .



3 Touch  (Format SD Card).

4 Touch  (Yes).

Trademarks

- Microsoft, Windows, Windows Vista and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- QuickTime is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
- All other trademarks identified herein are the property of their respective owners.

Specifications

KX-PW820DL KX-PW820DW	Main unit	Portable handset (KX-FKN516)	Battery charger
Power supply	AC 100 V (50 Hz/60 Hz)	Ni-MH battery (Part no. KX-FAN51) DC 3.6 V, 650 mAh	AC 100 V (50 Hz/60 Hz)
Power consumption	Transmission: Approx. 10 W Reception: Approx. 15 W Copy: Approx. 16 W Stand by: Approx. 0.6 W (When the F-net service is not in use.) Maximum(*1): Approx. 130 W		<ul style="list-style-type: none"> Charging: Approx. 1.2 W Stand by: Approx. 0.5 W (When the portable handset is off the charger.)
Dimensions (H x W x D)	Approx. 86 X 296 X 191 mm (without handset, projections) Approx. 265 X 296 X 231 mm (recording paper tray opened, without handset, projections)	Approx. 171 X 44.5 X 33.5 mm	Approx. 34 X 72.5 X 100.5 mm
Mass (Weight)	Approx. 2.4 kg (10 m ink film installed)	Approx. 157 g (battery installed)	Approx. 160 g
Operating environment	5 °C – 35 °C, 45 % – 85 % RH (Relative Humidity)		

KX-PW820DL KX-PW820DW	Main unit
Applicable line	Public Switch Telephone Network (Pulse/Tone), F-Net, NCC Lines
DC resistance	275 Ω
Compatibility	G3 compatible
Document size	A4–A5 (Max. 210 mm in width, Max. 530 mm in length)
Effective scanning size	208 mm (A4)
Effective printing size	202 mm (A4 size plain paper)
Transmission time	Approx. 15 s/page (Original mode) (*2)
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	Contact 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. 12 min. in total) (*3)
SD Memory Card capacity	Image data(such as received faxes) : Max.1000 data/Max.approx. 50000 sheets (*4) using 32 GB SDHC Memory Card Audio data(such as recorded messages): Max.1000 data/Max.approx.1000 hours using 32 GB SDHC Memory Card
SD Memory Card format	FAT16/FAT12 (SD Memory Card), FAT32 (SDHC Memory Card)
Memory capacity	Max. Approx. 50 pages (Only receiving fax etc.) (*4) Max. Approx. 12 min. (Only recording message) (*3)

*1 When copying a 100 % black document.

*2 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.

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

*4 The memory capacity is based on an A4-size document of 700 characters sent in standard resolution (8 x 3.85 lines/mm).