Panasonic

2.4 GHz Portable Station

Operating Instructions

Model No. **KX-TD7680**

Thank you for purchasing the Panasonic Model KX-TD7680, 2.4 GHz Portable Station. Please read this manual carefully before using this product and save this manual for future use.

This manual is designed to be used with your Portable Station and a Panasonic Hybrid IP PBX KX-TDA200/KX-TDA100.

Charge the battery for about 6 hours before initial use.

Before Initial Use

Please read IMPORTANT SAFETY INSTRUCTIONS on page 43 before use. Read and understand all instructions.

◆ **Registration**

You must register your PS to the system and determine its extension number before initial use. For PS registration, consult your dealer.

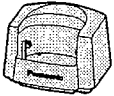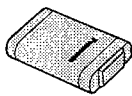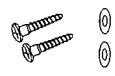**Accessories (included)** For extra orders, call toll free **1-800-332-5368.**
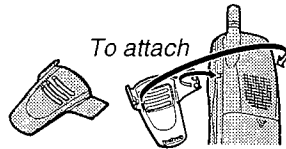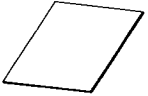
☐ Charger	☐ Battery	☐ AC adaptor (KX-TCA1)	☐ Screws and Washers
One	One	One	Two

☐ Belt Clip	☐ Operating Instructions
To attach	
One	One

Table of Contents

Before Operating the PS

◆◆ Location of Controls

Back view

Speaker

Antenna

Ringer/Charge Indicator

Soft/Flexible CO (F-CO) Buttons

Receiver

Headset Jack
-The headset is an option. Please use the Panasonic KX-TCA91/KX-TCA92 headset.

Display

Open the cover.

Cancel/Power Button

Navigator Key ($\blacktriangle$,$\blacktriangledown$,$\blacktriangleleft$,$\blacktriangleright$)

HOLD/CLR (Clear) Button

TALK/ Speakerphone/ Monitor Button

Dial Buttons

Intercom Button

INFO/ENTER/ KEYLOCK

Charge Contact

Charge Contact

Microphone

Function Button

◆ Display

```
Tıl ( INT-◇□ ⊠ ·:· ▥
GHIJKLMNOPQRSTUV
0123456789ABCDEF
*ILCO IISCO IINFC ]
```

Tıl <Radio Signal Strength>

```
Tıl ↑
Tıl │
Tı  │
T   ↓     Catches noises
          or disconnects
.T.       Out of range
```

(<Off-hook Status>

INT <Off-hook Status for Intercom calls>

·◇· <Programming Mode>

□ <Incoming Call Log notification>

⊠ <Message Waiting>

When you receive a message while in idle status, the PS will alert you of it by vibrating or ringing; the method depends on the current setting of the Ringer Volume. (See page 9.)

◄�‹◊›► <Navigator>

When using the navigator key, only the displayed arrows can be pressed.

▥ <Battery Strength>

```
◀▥     ↑    Full
◀▥     │
◀▯     │    Low
◀▯     ↓    Needs to be charged
```

<Soft Key Display>

The display depends on the operation. Press the corresponding Soft button to select the item.

<F-CO Key Display>

The display depends on the operation. (See page 10.)

<Others>

♪	Ringer ON & Vibration OFF
♪↓	Ringer ON & Vibration ON
♪↓	Ringer OFF & Vibration ON
♪	Ringer OFF & Vibration OFF
M	Meeting mode
FWD	FWD
DND	DND

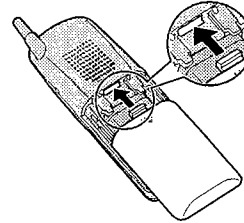# Before Operating the PS

✧ Setting Up

1 Open the battery cover.
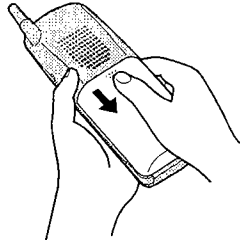
2 Install the battery.
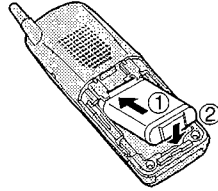
3 Close the cover.

✧ Charging

1 Connect the charger to a power outlet using the AC adaptor.

Charger
Cord holder
AC adaptor ———To power outlet
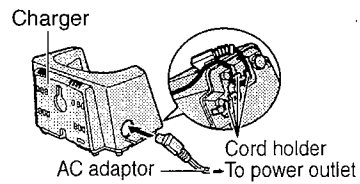
2 Charge the battery for about 6 hours.

Charge indicator
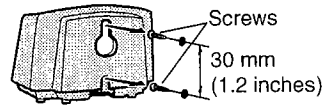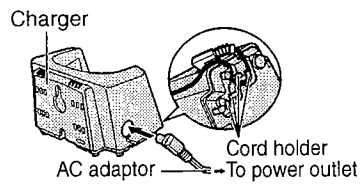
To power outlet   Charger
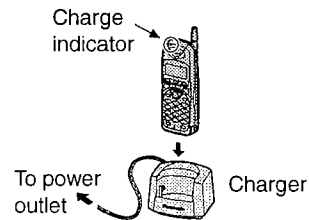
- When charge is completed, the charge indicator will change from red to green. Refer to "Battery Information" on page 42.
- The PS and charger get warm during charging. This is normal and not dangerous.
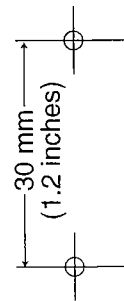
◆ *Wall Mounting*

The charger can be mounted on a wall.

1 Connect the charger to a power outlet using the AC adaptor.

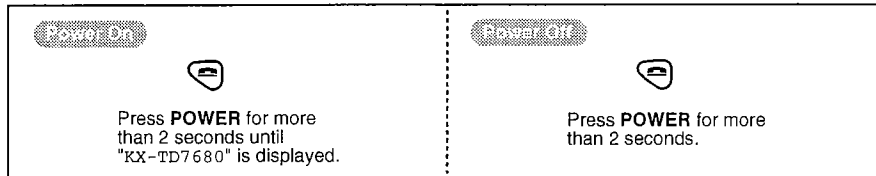**2** Drive screws in using the wall template below.

Charger

Cord holder
AC adaptor ──── To power outlet

Screws
30 mm
(1.2 inches)

3 Mount the charger securely on the screws.

30 mm
(1.2 inches)

Before Operating the PS

◆ Power On/Off

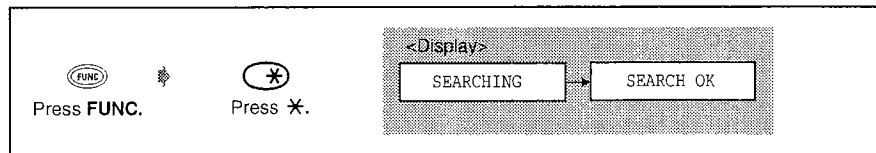|	
Power On	**Power Off**
Press **POWER** for more than 2 seconds until "KX-TD7680" is displayed.	Press **POWER** for more than 2 seconds.

- With this PS, the POWER button has multiple functions. When the button is depressed for longer than 2 seconds, the PS is either turned on or turned off. When depressed less than this time, the button serves to disconnect the telephone conversation or cancel a function. Please make a mental note of the multiple function of this button as you use this manual.
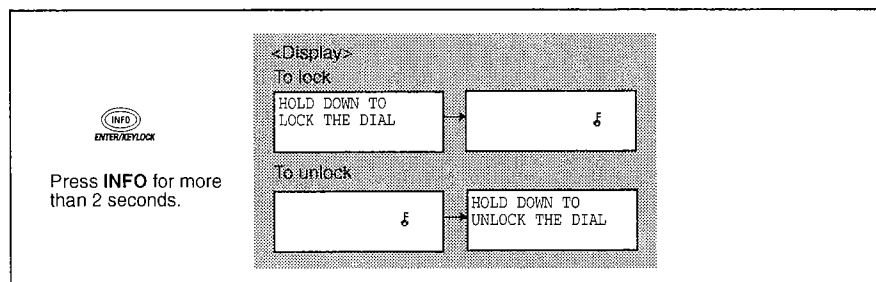
◆ Wave Search

You can search the best cell station for your PS while it is in idle status.

FUNC	✱	**<Display>**
Press **FUNC.**	Press ✱.	SEARCHING → SEARCH OK

◆ Locking the Keypads

You can lock the dialing buttons while it is in idle status.

INFO ENTER/KEYLOCK Press **INFO** for more than 2 seconds.	**<Display>** **To lock** HOLD DOWN TO LOCK THE DIAL → 🔒 **To unlock** 🔒 → HOLD DOWN TO UNLOCK THE DIAL

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◆ *Ringer Volume Adjustment*

While in stand-by mode or receiving a call, you can adjust the volume by pressing ⊕ repeatedly. (Default: ▬▬█ high)

Button	Ringer Volume	Display	Icon
⊕	High	RINGER ▬▬█	
	Medium	RINGER ▬█☐	
	Low	RINGER ▬☐☐	♪
	Gradually turns higher • Low→Medium→High	RINGER STEP UP	
	Gradually turns lower • High→Medium→Low	RINGER STEP DOWN	
	Vibration only	VIBRATION ON RINGER OFF	♪|)|
⊕ Hold down	• Vibration only • Key tone off • Microphone volume high	MEETING MODE	||
	Key tone only	VIBRATION OFF RINGER OFF	♪

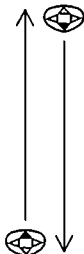• Hold down ⊕ to change from "MEETING MODE" to "VIBRATION OFF/ RINGER OFF".
• If Key Tone is set to "OFF", the ring tone does not sound while adjusting the volume.
• While charging, the PS rings for incoming calls (except in "MEETING MODE" and "VIBRATION OFF/RINGER OFF").
• If you press ⊕ while in stand-by mode, the ring tone does not sound for confirmation.
• Vibration & Ring setting is also available. (See page 33.)

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Before Operating the PS

◆ Receiver Volume Adjustment

During a conversation or in off-hook status, you can adjust the volume by pressing ⬥ repeatedly. (Default: ▬▭▭ medium)

Button	Receiver Volume	Display	
		Normal	Hands-free/Monitor
⬥ (up arrow)	Extra High	RECEIVER ▬▬▬	SP-PHONE ▬▬▬
	High	RECEIVER ▬▬□	SP-PHONE ▬▬□
	Medium	RECEIVER ▬□□	SP-PHONE ▬□□
⬥ (down arrow)	Low	RECEIVER □□□	SP-PHONE □□□

📝 • You can change the receiver volume during a conversation in Hands-free, Monitor or Normal mode. Press ☎ repeatedly to select the mode. (See page 18.)

◆ F-CO Key Display Example

	F-CO Key Condition
	Blank: idle
✳ F01 ◀F02▶ ◀F03▶	◀ ▶ (On): You are using the line.
	◀ ▶ (flashing rapidly): You have an incoming call.
⬭ ⬭ ⬭	◀ ▶ (flashing slowly): You have a held call.
F-CO Buttons	＜ ＞ (On): Others are using the line.
	＜ ＞ (flashing rapidly): Others have an incoming call.
	＜ ＞ (flashing slowly): Others have a held call.
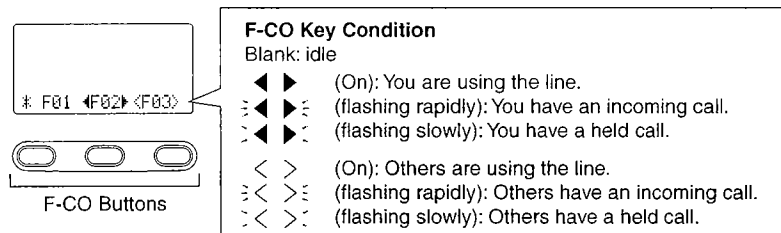
📝 • When you press (INFO)/ENTER/KEYLOCK, " ✳ " will appear and start flashing.
• To change the F-CO Key Display (F01-F12), use ⬥ or press (INFO)/ENTER/KEYLOCK repeatedly while " ✳ " is flashing.
• To select the desired F-CO Key, press the corresponding F-CO button.

◈ *Key Operation*

The following keys can be activated by a combination of (FUNC) and a dial button (0-9, ✳).

Function +	Key	Description
1	PAUSE	Used to insert a pause between numbers.
2	FWD/DND	Used to set the Call Forwarding or Do Not Disturb features.
3	MESSAGE	Used to leave a message waiting indication when the called party is busy.
4	CONFERENCE	Used to establish a multiple-party conversation.
5	FLASH	Used to disconnect a current call and make another call without hanging up.
6	AUTO	Used to answer an incoming call automatically.
7	TRANSFER	Used to transfer a call to another extension.
8	DIALING	Used to make a call using the Directories.
9	CALL LOG	Used to make a call using the Call Log.
✳	WAVESEARCH	Used to search the cell station for your PS while it is in idle status.
0	PS PROGRAM	Used to enter the PS Programming mode.
	PBX PROGRAM*	Used to enter the PBX Programming mode.

• After pressing (FUNC), you can select the desired key by using ◉.

• * In the PBX programming mode, you may change unused CO buttons to one touch buttons. For further information, refer to "3.1.3 Customizing the Buttons" in User Manual for Panasonic Hybrid IP PBX KX-TDA100/KX-TDA200.

Making Calls

◆ Calling Another Extension

(INT) OR 𝒫	⮕	extension no.	⮕	📱	⮕	✆
Press **Intercom** or **TALK.**		Enter **extension number.**		Talk.		Press **CANCEL.**
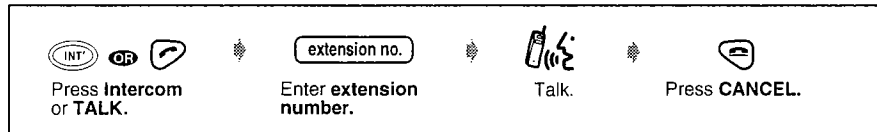
◆ Calling an Outside Party

◆ **Using the line access numbers**

(INT) OR 𝒫	⮕	(9) (OR) (8) (X) (X)	⮕	phone no.	⮕	📱	⮕	✆
Press **Intercom** or **TALK.**		Press **line access number.**		Enter **phone number.**		Talk.		Press **CANCEL.**

◆ **Using Flexible CO keys**

FXX ⬡	⮕	phone no.	⮕	📱	⮕	✆
Press the idle F-CO key.		Enter **phone number.**		Talk.		Press **CANCEL.**
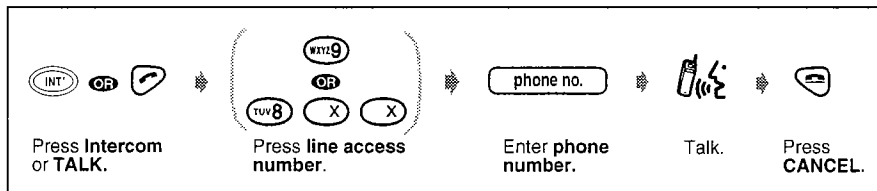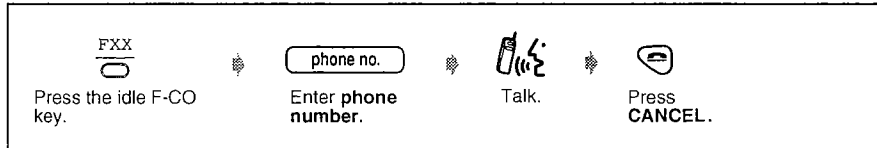
- You can go off-hook after confirming the number you dialed (**Predialing**).
- If you misdial, press ⊕ to select a wrong number and press (HOLD)/CLR. Then, enter the new one.
- To clear an entire number, hold down (HOLD)/CLR.
- If " Y " flashes, move closer to the Cell Station and try again.

◆◈◈ *Using the Call Log*

Feature	Display	Description
Outgoing Call Log	REDIAL	You can make a call using the phone numbers you have dialed.
Incoming Call Log	INCOMING LOG	You can make a call using the outside phone numbers that you have received.
Incoming Call Log Group	INCOMING LOG-GRP	You can make a call using the outside phone numbers that your extension group has received.

◆ *Using the outgoing call log*

Select "REDIAL".	Select the desired dialed item.	Press **TALK.**	Talk.	Press **CANCEL.**

◆ *Using the incoming call log*

Select "INCOMING LOG".	Select the desired received item.	Press **TALK.**	Talk.	Press **CANCEL.**

◆ *Using the incoming call log group*

Select "INCOMING LOG-GRP GROUP No.?".	Press a number of your extension group.	Press **ENTER.**	Select the desired received item.	Press **TALK.**

Talk.	Press **CANCEL.**
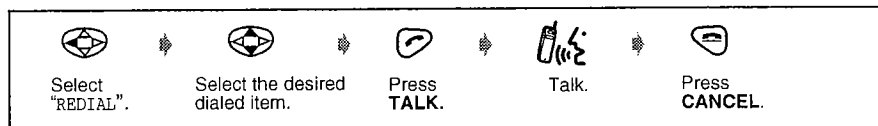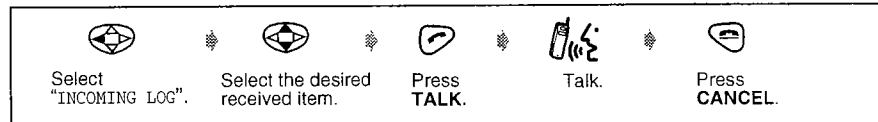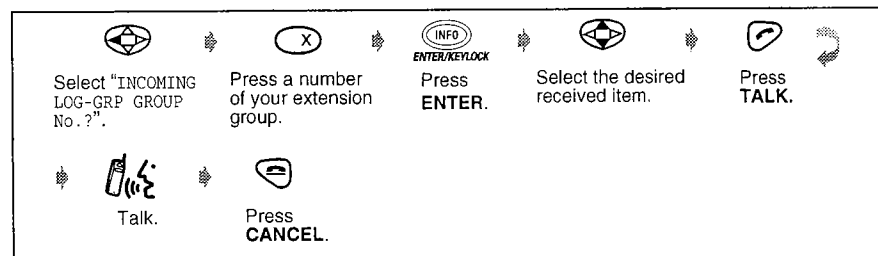
• If the dialed/received outside phone number has been stored in the PS Dialing Directory, the name will be displayed.
• You can store the logged number in the PS Dialing Directory. (See page 24.)

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Making Calls

◆◆ Making Calls Using the Directories

Feature	Display	Description
Quick Dial	QUICK DIAL	You can make a call simply by pressing the preprogrammed number for Quick Dial.
PS Dialing Directory	PS-DIALING	You can make a call using the numbers stored in the PS Dialing Directory.
PBX System Speed Dialing Directory	PBX-SYS-DIALING	You can make a call using the numbers stored in the system.
PBX Extension Dialing Directory	PBX-EXT-DIALING	You can make a call using the extension names and numbers stored in the system.

◆ Quick dial

Select "QUICK DIAL".

Press the desired quick dial number.
OR
Select the desired item.

Press TALK.

Talk.

Press CANCEL.
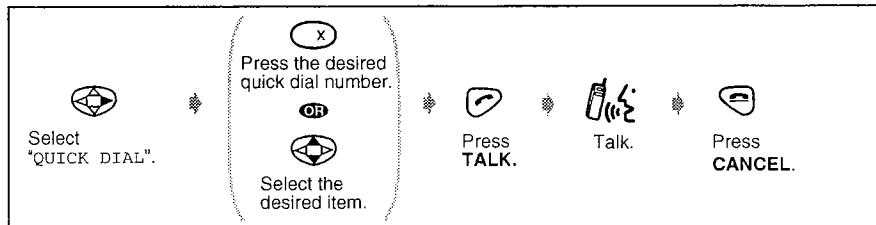
◆ PS dialing directory/PBX system speed dialing directory/PBX extension dialing directory

Select the desired directory.

Enter the first few letters of the desired name.

Select the desired item.

Press TALK.

Talk.

Press CANCEL.
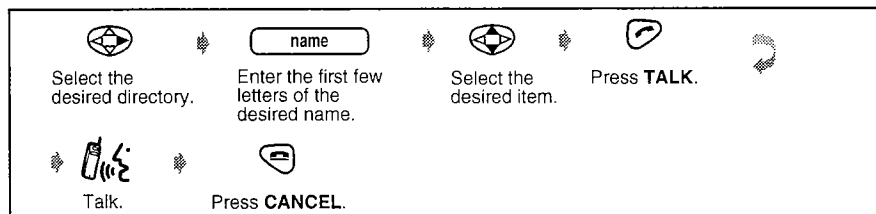
• You can search the desired item quickly by holding down ⊕ (**Quick Search: used for PS dialing directory**).
• To enter characters, refer to pages 25 and 26.

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◆ *Intercom Calls/Outside Calls/Group Calls*

While receiving a call

Intercom Calls/Group Calls

(INT) **OR** 📞 ➡ 📱 ➡ 📟

Press **Intercom** or Talk. Press **CANCEL**.
TALK.

Outside Calls

◀FXX▶ **OR** 📞 ➡ 📱 ➡ 📟

Press the CO key Talk. Press
(◀ ▶ - Flashing rapidly), **CANCEL**.
or **TALK.**
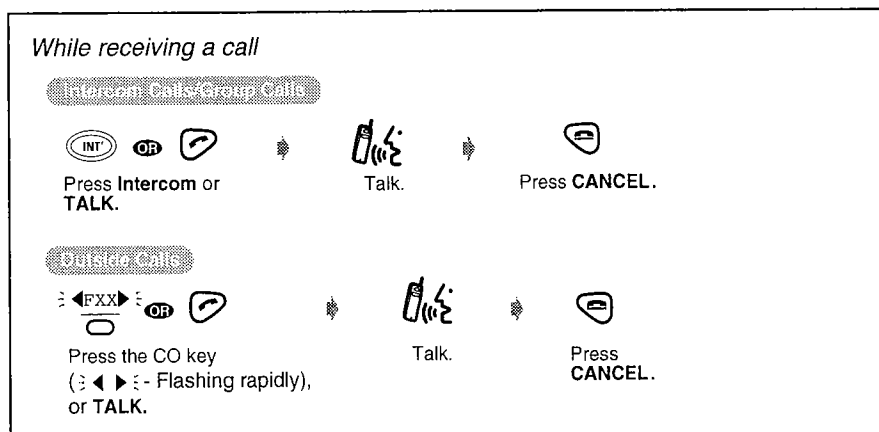
- You can turn off the ringer and vibration by pressing 📟 while receiving a call.
- The receiving call's name and number will be displayed if they are stored with a line access number in the PS.
- You can also answer a call with:
  - **Any Key Answer** (See page 35.)
  - **Auto Answer** (See page 33.)
  - **Quick Answer** (See page 33.)

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During a Conversation

Transferring a Call

◆ **Transferring to an extension**

(PORS7)
Press 7.

OR

FUNC

Press **FUNC.**

Select "TRANSFER".   Press **ENTER.**

(INFO) *ENTER/KEYLOCK*

extension no.

Enter **extension number.**

Announce.

Press **CANCEL.**
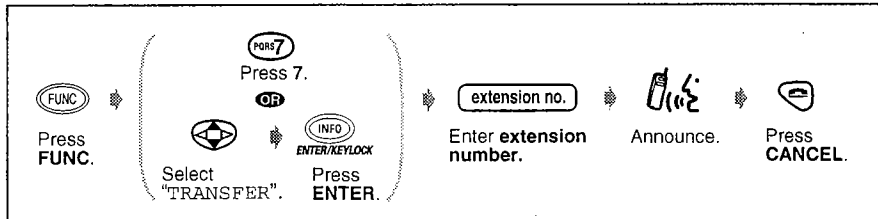
◆ **Transferring to an outside party**

(PORS7)
Press **7.**

OR

FUNC

Press **FUNC.**

Select "TRANSFER".   Press **ENTER**

(INFO) *ENTER/KEYLOCK*

(WXYZ9)

OR

(TUV8) (X) (X)

Press **line access number.**

phone no.

Enter **phone number.**

Announce.

Press **CANCEL.**
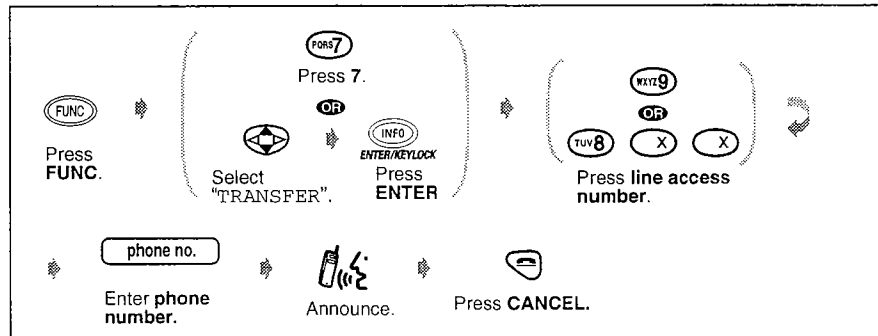
• To return to the held call before the destination answers, select "TRANSFER"/the corresponding CO button/(INT).

◆❖ *Holding*

◆ To hold (Call Hold)

During a Conversation

(HOLD)
CLR

Press **HOLD**.

◆ To retrieve a call (Call Hold Retrieve)

Intercom Calls

(INT')

Press **Intercom**.

Outside Calls

◄FXX► ⊙ **OR** (INT')
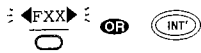
Press the flashing CO key or **Intercom**.

• You can hold a call exclusively not to make other people retrieve your held call. Consult your dealer for more details.

During a Conversation

⟨⟩ Hands-free/Monitor Conversation

Feature	Display	Description
Hands-free	HANDS FREE	You can talk with the calling party alternately through the speaker without holding the PS.
Monitor	MONITOR MODE	You can monitor the calling party's voice through the speaker without holding the PS. Your voice can not be heard.

⟨⟩

Press **TALK** repeatedly to select the desired mode (**Hands-free/Monitor/ Normal**).

<Display>

HANDS FREE → MONITOR MODE →
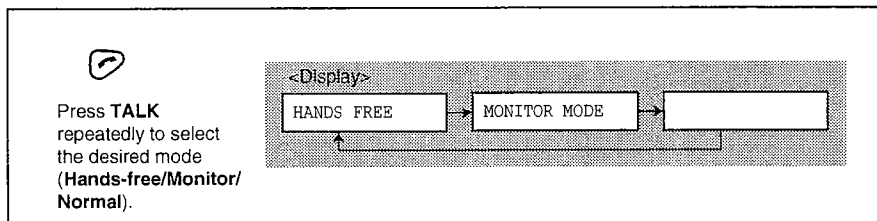
• The receiver volume level can be adjusted separately for each mode. (See page 10.)
• If the headset is set during a conversation in Hands-free/Monitor mode, the mode will be cancelled automatically.
• If you put the PS on the charger, only a conversation in Hands-free/ Monitor mode can be continued.

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◈ Directories

Feature	Display	Description
Quick Dial	QUICK DIAL	You can store names and phone numbers, feature names and numbers for PBX (max.10 items).
PS Dialing Directory	PS-DIALING	You can store names, phone numbers and group numbers in the PS (max.100 items). If you store an outside party's number, you should first store a line access number. All directory items are stored in alphabetical order.

◈ Quick Dial

◆ Storing
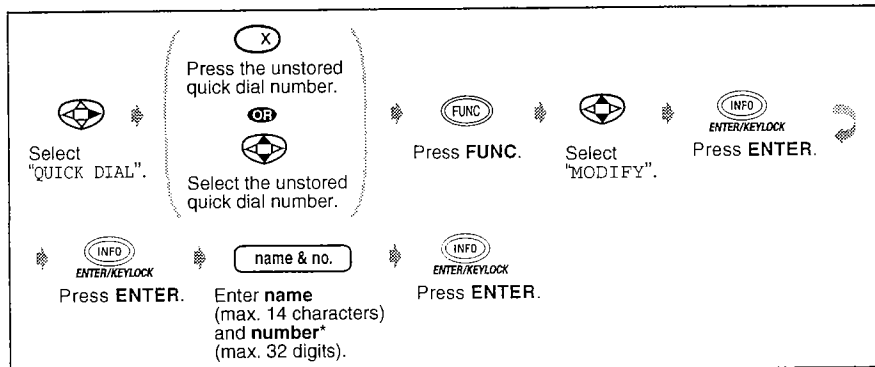
• To enter characters, refer to page 25 and 26.
• *The valid digits are "0" through "9", " ✳ " and "#".
• "X (TALK)" can be stored as a wild card which can be any digits while dialing.

Using the Directories

◆ *Editing*

Select
"QUICK DIAL".

Select the
desired item.

Press **FUNC**.

Select
"MODIFY".

ENTER/KEYLOCK
Press **ENTER**.

ENTER/KEYLOCK
Press **ENTER**.

name & no.

Edit **name**
(max. 14 characters)
and **number***
(max. 32 digits).

ENTER/KEYLOCK
Press **ENTER**.
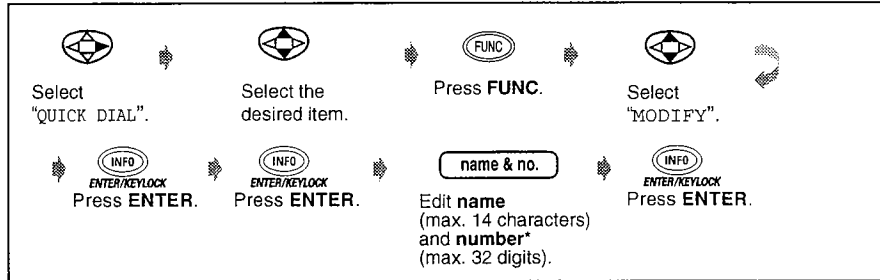
• To enter characters, refer to page 25 and 26.
• *The valid digits are "0" through "9", " ✱ " and "#".

◆ *Deleting*

Deleting an item

Select
"QUICK DIAL".

Select the
desired item.

Press **FUNC**.

Select
"DELETE".

ENTER/KEYLOCK
Press **ENTER**.

Select "YES".

ENTER/KEYLOCK
Press **ENTER**.

Deleting All Items

Select
"QUICK DIAL".

Press
FUNC.

Select
"DELETE ALL".

ENTER/KEYLOCK
Press
ENTER.

Select "YES".

ENTER/KEYLOCK
Press
ENTER.

20
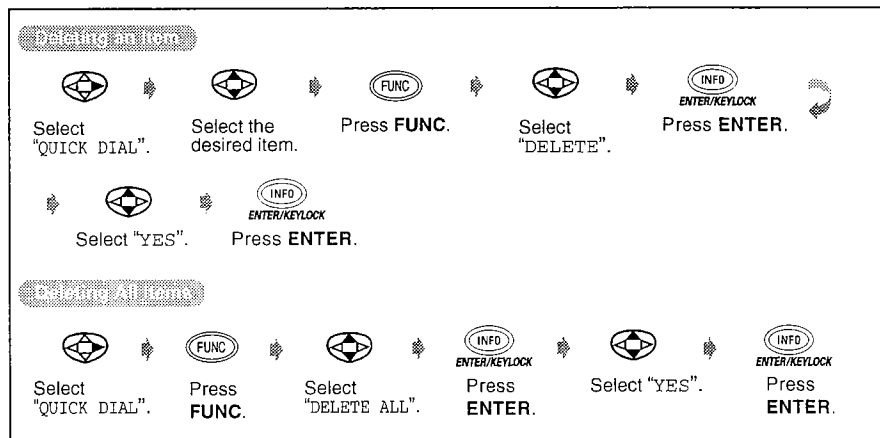
◆ PS Dialing Directory

◆ Storing
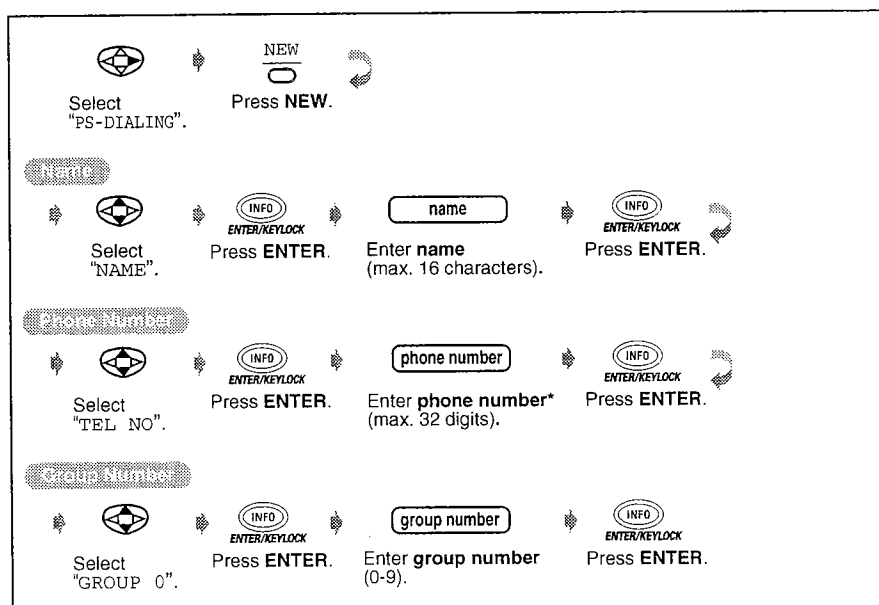
NEW

Select
"PS-DIALING".

Press **NEW**.

Select
"NAME".

Press **ENTER**.

Enter **name**
(max. 16 characters).

name

Press **ENTER**.

Select
"TEL NO".

Press **ENTER**.

Enter **phone number***
(max. 32 digits).

phone number

Press **ENTER**.

Select
"GROUP 0".

Press **ENTER**.

Enter **group number**
(0-9).

group number

Press **ENTER**.

- To enter characters, refer to pages 25 and 26.
- *The valid digits are "0" through "9", " ✱ " and "#".
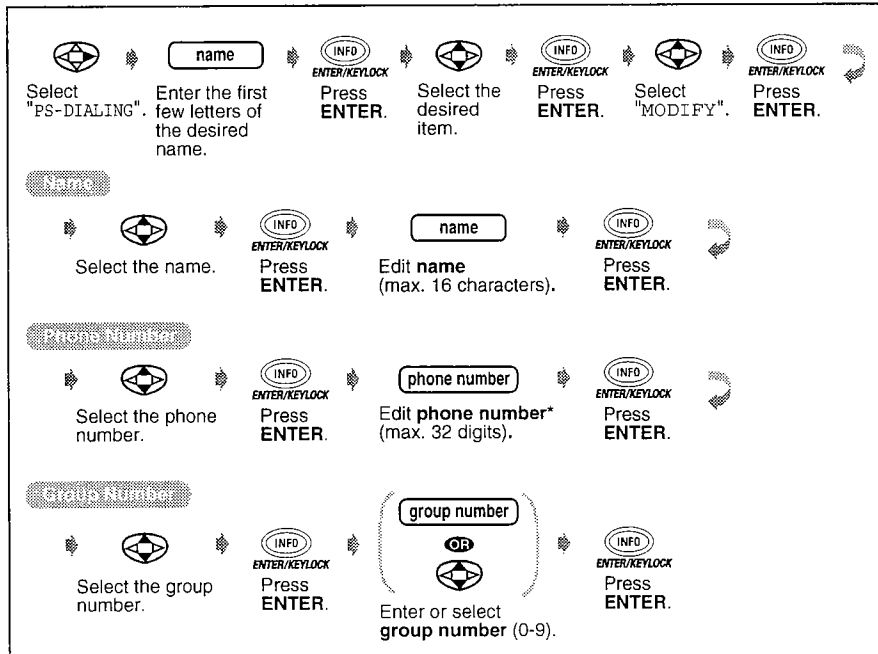- If you store an outside phone number, you should first store a line access number in front of the phone number.
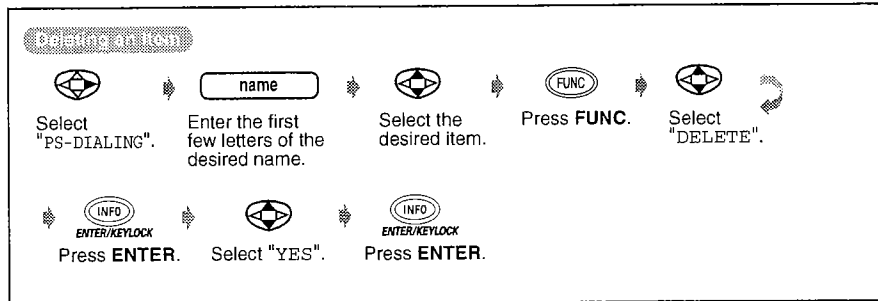
Using the Directories

◆ *Editing*

◇ ➡ [name] ➡ (INFO) ➡ ◇ ➡ (INFO) ➡ ◇ ➡ (INFO)
　　　　　　　　　ENTER/KEYLOCK　　　　ENTER/KEYLOCK　　　　ENTER/KEYLOCK

Select　　Enter the first　Press　　Select the　Press　　Select　　Press
"PS-DIALING". few letters of　**ENTER**.　desired　**ENTER**.　"MODIFY".　**ENTER**.
　　　　the desired　　　　　item.
　　　　name.

Name

➡ ◇ ➡ (INFO) ➡ [name] ➡ (INFO)
　　　　ENTER/KEYLOCK　　　　　ENTER/KEYLOCK

Select the name.　Press　　Edit **name**　Press
　　　　　　ENTER.　(max. 16 characters).　**ENTER**.

Phone Number

➡ ◇ ➡ (INFO) ➡ [phone number] ➡ (INFO)
　　　　ENTER/KEYLOCK　　　　　　　ENTER/KEYLOCK

Select the phone　Press　　Edit **phone number***　Press
number.　　　**ENTER**.　(max. 32 digits).　**ENTER**.

Group Number

　　　　　　　　　[group number]
➡ ◇ ➡ (INFO) ➡ (**OR**) ➡ (INFO)
　　　　ENTER/KEYLOCK　　◇　　　ENTER/KEYLOCK

Select the group　Press　　Enter or select　Press
number.　　　**ENTER**.　**group number** (0-9).　**ENTER**.

- To enter characters, refer to pages 25 and 26.
- *The valid digits are "0" through "9", " ✳ " and "#".
- To change the number/character, press (HOLD)/CLR to clear it on the cursor and enter new one.
- To clear an entire number, hold down (HOLD)/CLR .
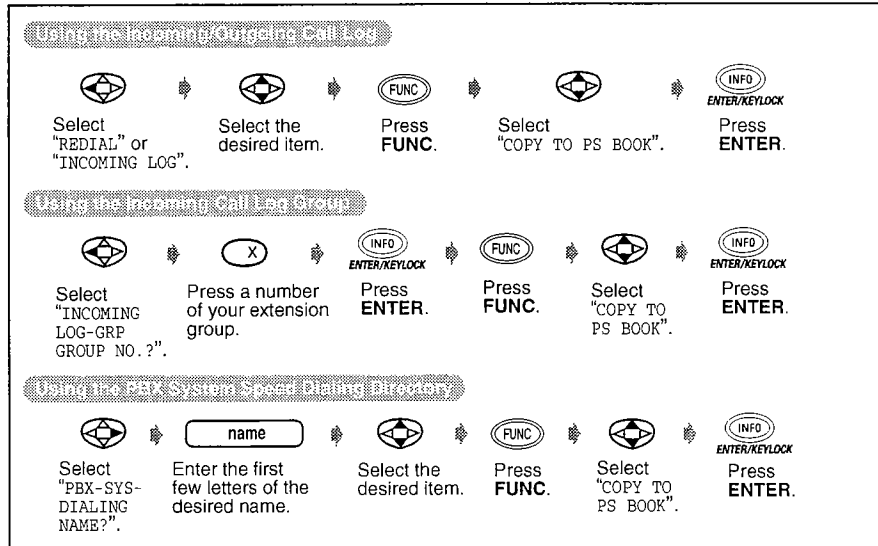- To move the cursor on the number/character, use ◇ .

◆ **Deleting**

Select
"PS-DIALING".

Enter the first
few letters of the
desired name.

Select the
desired item.

Press **FUNC**.

Select
"DELETE".

Press **ENTER**.

Select "YES".

Press **ENTER**.

• You can delete all items all at once. (See page 38.)

23

Using the Directories

◆ *Storing an item to the PS Dialing Directory*

Using the Incoming/Outgoing Call Log

◆ ➔ ◆ ➔ (FUNC) ➔ ◆ ➔ (INFO) *ENTER/KEYLOCK*

| Select "REDIAL" or "INCOMING LOG". | Select the desired item. | Press **FUNC**. | Select "COPY TO PS BOOK". | Press **ENTER**. |

Using the Incoming Call Log Group

◆ ➔ (X) ➔ (INFO) *ENTER/KEYLOCK* ➔ (FUNC) ➔ ◆ ➔ (INFO) *ENTER/KEYLOCK*

| Select "INCOMING LOG-GRP GROUP NO.?". | Press a number of your extension group. | Press **ENTER**. | Press **FUNC**. | Select "COPY TO PS BOOK". | Press **ENTER**. |

Using the PBX System Speed Dialing Directory

◆ ➔ [name] ➔ ◆ ➔ (FUNC) ➔ ◆ ➔ (INFO) *ENTER/KEYLOCK*

| Select "PBX-SYS-DIALING NAME?". | Enter the first few letters of the desired name. | Select the desired item. | Press **FUNC**. | Select "COPY TO PS BOOK". | Press **ENTER**. |

• When a received number is stored in the PS Dialing Directory, the line access number is also automatically stored with the phone number. Make sure line access numbers that agree with the PBX settings are stored with the trunk access code. (See page 38.)

24

◈ Entering Characters

The dialing buttons can be used to enter letters and character symbols. The letters are printed on the dialing buttons. The table below shows you the characters available for each button.

◆ Character mode table

Table 1 (ABC)

Times / Buttons	1	2	3	4	5	6	7	8	9
(1)	!	?	"	1					
(2)	A	B	C	a	b	c	2		
(3)	D	E	F	d	e	f	3		
(4)	G	H	I	g	h	i	4		
(5)	J	K	L	j	k	l	5		
(6)	M	N	O	m	n	o	6		
(7)	P	Q	R	S	p	q	r	s	7
(8)	T	U	V	t	u	v	8		
(9)	W	X	Y	Z	w	x	y	z	9
(0)	(space)	.	,	'	:	;	0		
(✳)	/	+	—	=	<	>	✳		
(#)	$	%	&	@	(	)	€	£	#

For example, to enter "Anne":

A	n	n	e
(ABC 2)	(MNO 6) (5 times)	◇ ▶ (MNO 6) (5 times)	(DEF 3) (5 times)

Using the Directories

Table 2 (+ÄÖÜ)

Times / Buttons	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
[1]	!	?	"	ä	ö	ü	1								
[2]	A	B	C	a	b	c	À	Á	Â	Ã	Ä	Å	Æ	Ç	2
[3]	D	E	F	d	e	f	Đ	È	É	Ê	Ë	3			
[4]	G	H	I	g	h	i	Ì	Í	Î	Ï	4				
[5]	J	K	L	j	k	l	5								
[6]	M	N	O	m	n	o	Ñ	Ò	Ó	Ô	Õ	Ö	Ø	Œ	6
[7]	P	Q	R	S	p	q	r	s	ß	7					
[8]	T	U	V	t	u	v	Ù	Ú	Û	Ü	8				
[9]	W	X	Y	Z	w	x	y	z	ý	9					
[0]	(space)	.	,	'	:	;	0								
[*]	/	+	–	=	<	>	*								
[#]	$	%	&	@	(	)	€	£	#						

- To clear a character on the cursor, press (HOLD)/CLR.
- To clear an entire character, hold down (HOLD)/CLR.
- To move the cursor to the left, press ◁.
- To move the cursor to the right, press ▷.
  (To enter another character using the same dialing button, move the cursor to the next space).
- To shift the tables, press ABC+ .

26

Feature	Operation
Making Calls	

Feature	Operation
One-touch Dialing	**To dial** ☎ ▶ (INFO ENTER/KEYLOCK) ▶ Select the F-CO key assigned as a One-touch Dialing button. ▶ (INFO ENTER/KEYLOCK) ▶ 📱 **To program** (FUNC) ▶ (navigator) Select "PBX PROGRAM". ▶ (INFO ENTER/KEYLOCK) ▶ (navigator) Select the idle F-CO key. ▶ (ABC 2) ▶ [desired no.] ▶ (INFO ENTER/KEYLOCK)
Hot Line	**To store** ☎ ▶ (✱)(PQRS 7)(GHI 4)(OPER 0)(ABC 2) ▶ [desired phone no.] ▶ (#) ▶ (end) **To set/cancel** ☎ ▶ (✱)(PQRS 7)(GHI 4)(OPER 0) ▶ [(1) Set **OR** (OPER 0) No tone] ▶ (end) **To dial** ☎
Calling an operator	☎ ▶ (OPER 0) ▶ 📱
Speed Dialing (System)	**To dial** ☎ ▶ (✱)(✱) ▶ [system speed dial no.] ▶ 📱 ▶ (end)
Doorphone Call	☎ ▶ (✱)(DEF 3)(1) ▶ [doorphone no.] ▶ 📱
Automatic Callback Busy	**To set** *While hearing a busy tone* (MNO 6) ▶ (end) **To cancel** ☎ ▶ (✱)(GHI 4)(MNO 6) ▶ (end) **To answer the extension** ☎ ▶ 📱 **To answer the outside (CO) line** ☎ ▶ [phone no.] ▶ (end)

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Other Operations

Feature	Operation
	During a Conversation
Multiple party conversation	**To add other parties** (FUNC) ▶ (GHI4) (OR)(PQRS7) ▶ [desired phone no.] ▶ 🕿 ▶ (FUNC) ▶ (GHI4) **To talk to one party by terminating the other** (INFO) ▶ (✦) Select the F-CO key. / (INT) ENTER/KEYLOCK **To leave a conference** 🕿
	Useful Features
Forwarding a call	(☎) ▶ (✳)(PQRS7)(1) ▶ [(OPER0) Both / (1) CO line / (ABC2) Intercom] ▶ ▶ [(ABC2) All Calls / (DEF3) Busy / (GHI4) No Answer / (JKL5) Busy/No Answer / (OPER0) Cancel] ▶ [destination extension no. (OR) CO line no. ▶ outside phone no.] ▶ (#) ▶ 🕿 [(PQRS7) Follow Me / (TUV8) Follow Me Cancel] ▶ [your extension no.]
Do Not Disturb	(☎) ▶ (✳)(PQRS7)(1) ▶ [(OPER0) Both / (1) CO line / (ABC2) Intercom] ▶ ▶ [(1) Set / (OPER0) Cancel] ▶ 🕿

Feature	Operation
Useful Features	
Picking up a call	**Directed** ⊘ ▶ (✱)(GHI4)(1) ▶ [extension no.] ▶ 🔊 **Group** (✱)(GHI4)(OPER0) ▶ [group no.]
Sending a Call Waiting Tone	*While hearing a busy tone* (1) ▶ Wait for an answer. ▶ 🔊
Call Waiting	**To set/cancel for Intercom calls** ⊘ ▶ (✱)(PQRS7)(DEF3)(1) ▶ (OPER0) No tone / (1) Set / (ABC2) OHCA / (DEF3) Whisper OHCA ▶ 📞 **To set/cancel for Outside calls** ⊘ ▶ (✱)(PQRS7)(DEF3)(ABC2) ▶ (1) Set / (OPER0) No tone ▶ 📞 **To hold the current call and then talk to the new party** *While hearing a tone* (HOLD/CLR) ▶ [Select the flashing (CO) (INT) F-CO key.] ▶ 🔊
Paging	**To set** ⊘ ▶ (✱)(DEF3)(DEF3) ▶ [paging group no.] ▶ 🔊 ▶ announce. ▶ Wait for an answer. ▶ 🔊 **To answer** ⊘ ▶ (✱)(GHI4)(DEF3) ▶ 🔊
Setting Absent Message	**To set** ⊘ ▶ (✱)(PQRS7)(JKL5)(OPER0) ▶ [message no. (1-9)] ▶ [parameter (if required)] ▶ (#) ▶ 📞 **To cancel** ⊘ ▶ (✱)(PQRS7)(JKL5)(OPER0)(OPER0) ▶ 📞

Other Operations

Feature	Operation
Useful Features	
Log-in/ Log-out	⌕ ▶ [✱ (PQRS7) (DEF3) (MNO6) (1) Log-in / ✱ (PQRS7) (DEF3) (MNO6) (OPER0) Log-out] ▶ group no. ▶ ✆
Clearing the feature settings	⌕ ▶ ✱ (PQRS7) (WXYZ9) (OPER0) ▶ ✆
Message Waiting — Sender	**To leave a message waiting indication** *When the called extension is busy or does not answer* [(GHI4) (OR) (FUNC) ▶ (DEF3)] ▶ ✆ **To cancel a message waiting indication** ⌕ ▶ ✱ (PQRS7) (OPER0) (OPER0) ▶ extension no. ▶ ✆
Message Waiting — Receiver	**To call back** ⌕ ▶ [✱ (PQRS7) (OPER0) (ABC2) (OR) (FUNC) ▶ (DEF3)] ▶ ✆
Locking your extension	**To lock** ⌕ ▶ ✱ (PQRS7) (PQRS7) (1) ▶ lock code (max. 10 digits) ▶ (#) ▶ ▶ lock code (same code) ▶ (#) ▶ ✆ **To unlock** ⌕ ▶ ✱ (PQRS7) (PQRS7) (OPER0) ▶ lock code (max. 10 digits) ▶ (#)

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Feature	Operation
	Useful Features

To set

☎ ▶ (✳)(PQRS 7)(MNO 6)(OPER 0)(1) ▶

```
┌ 12 H ────────────┐        ┌ (OPER 0) AM ┐
│ [ hour/minute ] ▶ │       │ (1) PM      │ ▶
│ 24 H             │        └─────────────┘
│ [ hour/minute ] │
└──────────────────┘
```

Timed Reminder

▶ [(OPER 0) once / (1) daily] ▶ ✆

To cancel

☎ ▶ (✳)(PQRS 7)(MNO 6)(OPER 0)(OPER 0) ▶ ✆

To stop or answer the ringback

(INT) (OFF) ✆

31

Programming

Changing the Initial Settings

You can change the default settings according to your needs while programming:

- To move the cursor, press ⬦.
- To select the desired item, use ⬦ and then press INFO/ENTER/KEYLOCK.
- To exit the programming mode, press ⬦.
- When the programming is completed, a beep tone sounds.

◆ To change the initial settings

FUNC Press **FUNC**.
OPER 0 Press **0**.

[Dial the **menu number**. (See page 33.) **OR** ⬦ Select the desired **main item**.]

INFO/ENTER/KEYLOCK Press **ENTER**.

⬦ Select the desired **sub item**.
INFO/ENTER/KEYLOCK Press **ENTER**.
⬦ Select the desired **setting**.
INFO/ENTER/KEYLOCK Press **ENTER**.

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Main Item	Sub Item	Description	Setting*1	Menu no.
ANSWER SETTING	RING PATTERN-INT	You can set the ringer types for intercom calls, CO line calls, and calls for each separate group. (6 Bells and 4 Melodies patterns)	☐ Ringer Pattern no.	11
	RING PATTERN-CO			12
	RING PATTERN-GRP		☐ Ringer Pattern 1 (Bell 1)	13
	VIBRATION&RING	You can select the vibration and ring type.	☐ OFF	14
			☐ Ring&VIB (Ring and vibrate at the same time)	
			☐ VIB→RING (Vibrate for 5 seconds then ring)	
	QUICK ANSWER	You can answer a call by just lifting the PS off the charger.	☐ ON	15
			☐ OFF	
	AUTO ANSWER	When you set the auto answer feature, you can answer a call automatically.	☐ INT ONLY (Intercom calls only)	16
			☐ INT/CO (All calls)	

*1 The default setting is in gray.

Programming

Main Item	Sub Item	Description	Setting*1	Menu no.
ANSWER SETTING	AUTO ANS DELAY	When you set the auto answer, you can set the time delay before the PS answers a call automatically. (6 s-20 s)	☐ **6 s** ☐ _ s	17
	CALL GROUP	You can set the ringer/LED/vibration pattern for calls for each group, and return the settings to the default settings.	☐ Group 0-9	18
	RING PATTERN	(CO/GRP-PATTERN, 6 Bells and 4 Melodies patterns) CO/GRP-PATTERN depends on the ringer types for RING PATTERN-CO (Menu no.12).	☐ **CO/GRP-PATTERN** ☐ Ringer Pattern no.	
	LED PATTERN	(CO/GRP-BLINK, RED BLINK, GREEN BLINK, ORANGE BLINK, R→G, G→O, R→O, R→G→O, G→R→O)*2	☐ **CO/GRP-BLINK** ☐ LED Pattern no.	
	VIB PATTERN	(SINGLE, DOUBLE, TRIPLE, SHORT TERM, CONTINUOUS)	☐ **SINGLE** ☐ Vibration Pattern no.	
	ORIGINAL SETTING	All menu no. 18 items reset to default settings.	☐ YES ☐ NO	

*1 The default setting is in gray.
*2 R=RED, G=GREEN, O=ORANGE

Main Item	Sub Item	Description	Setting*1	Menu no.
ANSWER SETTING	ANY KEY ANSWER	You can answer a call by pressing any dial button.	☐ ON ☐ OFF	19
DISPLAY SETTING	BACKLIGHT	You can turn off the key pad and LCD backlight.	☐ ON ☐ IN-RECEIVING ☐ OFF	21
	BACKLIGHT TIME	You can set the backlight time.	☐ 5 s ☐ 10 s ☐ 15 s ☐ 20 s ☐ 25 s ☐ 30 s	22
	LANGUAGE	You can select the display language.	☐ AUTO*2 ☐ ENGLISH ☐ ESPANOL ☐ FRANCAIS	23

*1 The default setting is in gray.
*2 The display language depends on the setting of the system.

Programming

Main Item	Sub Item	Description	Setting*[1]	Menu no.
DISPLAY SETTING	STANDBY DISPLAY	You can select the stand-by display.	☐ **SYS-NO.& EXTN** (System no. and extension no.)	
			☐ SYS-NO. (System no.)	24
			☐ EXTN (Extension no.)	
			☐ OFF	
	DATE/TIME DISPLY	You can select the date/time display for the stand-by mode.	☐ TIME-12H, MM/DD	
			☐ TIME-24H, MM/DD	
			☐ TIME-12H, DD/MM	25
			☐ TIME-24H, DD/MM	
			☐ DATE-MM/DD	
			☐ DATE-DD/MM	
	LCD CONTRAST	You can set the LCD contrast. (12 levels)	☐ LEVEL _	26
			☐ LEVEL 6	

*[1] The default setting is in gray.

Main Item	Sub Item	Description	Setting*1	Menu no.
DISPLAY SETTING	CALLER ID DISPLY	You can select the Caller ID display getting from PS Directory or according to PBX Setting.	□ PS DIRECTORY / □ PBX SETTING	28
BEEP SETTING	KEY TONE	You can turn off/on the key tone.	□ ON / □ OFF	31
	RANGE WARNING	You can turn off/on the range warning alarm.	□ ON / □ OFF	32
SECURITY SETTING	DIRECTORY LOCK	You can lock/unlock the PS DIALING DIRECTORY and INCOMING CALL LOG/ INCOMING CALL LOG GROUP/OUTGOING CALL LOG. If PS PASSWORD is set to DISABLE, it is required to enter the PS password to lock the directory. The PS PASSWORD is set to ENABLE automatically.	□ ON / □ OFF	41
	PS PASSWORD	You can set the password for the security setting. If DISABLE is set, the PS Dialing Directory is unlocked automatically. If ENABLE is set, the PS password is required for the programming: -to enter SECURITY SETTING	□ ENABLE / □ DISABLE	42

*1 The default setting is in gray.

Programming

Main Item	Sub Item	Description	Setting[1]	Menu no.
SECURITY SETTING	MEMORY CLEAR	You can return the following settings to default all at once: -ANSWER SETTING (except CALL GROUP) -DISPLAY SETTING -BEEP SETTING -SECURITY SETTING (except PS PASSWORD, MEMORY CLEAR, ALL PS-BOOK DEL) -RINGER/RECEIVER VOLUME	☐ NO ☐ YES	43
	ALL PS-BOOK DEL	You can delete all items in the PS Dialing Directory all at once.	☐ NO ☐ YES	44
SYSTEM SETTING	REGISTRATION	Consult your dealer for details.		51
	DELETE SYSTEM	You can delete the stored system in the PS. Consult your dealer for details.	☐ SYSTEM 1-4 ☐ NO ☐ YES	52
	SYSTEM LOCK	You can set the password for the system setting. If ENABLE is set, the password is required to enter SYSTEM SETTING.	☐ ENABLE ☐ DISABLE	53
	ACCESS SYSTEM	You can access the different system when more than two PBX are registered in the PS.	☐ AUTO ☐ SYSTEM 1-4[2]	54
	CHANGE PIN	You can change the PIN for registration and the PIN should be the same	☐ Pin no. (0-8 digits)	55
	TRUNK ACCESS CD	You should store line access numbers that agree with the PBX settings.	☐ 9 ☐ 8XX[3] ☐ NONE	56

[1] The default setting is in gray.
[2] Only the registered system number is displayed.
[3] Any 3-digit code starting with "8" is acceptable.

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Main Item	Sub Item	Description	Setting	Menu no.
KEY EDIT	FCO LABEL EDIT	You can edit the F-CO label. **To edit:** 1. Press ⬡ to select the desired system or enter the system number (1-4). 2. Press ⊚ ᴇɴᴛᴇʀ/ᴋᴇʏʟᴏᴄᴋ . 3. Press ⬡ to select the desired F-CO key or enter the F-CO number (0-9, ✳, #). 4. Press ⊚ ᴇɴᴛᴇʀ/ᴋᴇʏʟᴏᴄᴋ . 5. Edit the F-CO label (max. 3 characters). 6. Press ⊚ ᴇɴᴛᴇʀ/ᴋᴇʏʟᴏᴄᴋ .		62

Troubleshooting

◆ Troubleshooting for Portable Station

Problem	Remedy
The PS does not work.	• **The battery is empty.** ➡ Charge the battery fully. (See "Charging" on page 6.) • **The PS has been cancelled or the PS has not been registered.** ➡ Consult your dealer. • **The power is OFF.** ➡ Turn it ON. (See "Power On/Off" on page 8.)
The PS does not ring.	• **Ringer volume is set to the vibration mode or the meeting mode.** ➡ Set to ring by pressing ◉. (See "Ringer Volume Adjustment" on page 9.)
You cannot make/ receive a call.	• **The PS is out of range or the Cell Station (CS) is busy.** ➡ Move closer to the CS or try again later. • **The radio channel is busy or a radio communication error occurred.** ➡ Try again later.
You cannot dial.	• **The number which you dialed is restricted by the system.** ➡ Consult your dealer. • **The key lock mode is set.** ➡ To cancel the mode, press 🔘 for more than 2 seconds. (See "Locking the Keypads" on page 8.) • **The radio channel is busy or a radio communication error occurred.** ➡ Try again later.
Noise is frequently caused.	➡ Set the PS and CS away from other electrical appliances. ➡ Move closer to the CS.
"CS BUSY" is displayed.	• **The Cell Station is busy.** ➡ Try again later.
"NEED REPAIR 1(-3)" is displayed.	➡ Consult your dealer.
"PS Not Connected" is displayed.	• **The called PS is out of range.** ➡ Wait until the called PS moves closer to the CS, and try again.
"REGISTER UNIT" is displayed.	• **The PS is not registered in the system.** ➡ Consult your dealer.
"NO SERVICE" is displayed.	• **The PS is out of range.** ➡ Move closer to the CS.

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Problem	Remedy
The alarm sounds after pressing the Redial button.	• A number is not saved in the Call Log.
The PS stops working during operation.	➡ Turn the power OFF and ON. Then try again. (See "Power On/Off" on page 8.) ➡ Re-insert the battery and try again. (See "Setting Up" on page 6.)
The display does not show a strong radio signal " 📶 " even though you are near the CS.	• Normally, the PS user can make a call even with a " 📶 " status. In this case, the current linked CS is still connected even though another CS is closer.
The alarm sounds during a conversation while receiving a weak radio signal " 📶 ".	• The radio signal is weak. ➡ Move closer to the CS.

Important Information

◈◈ Battery Information

After your Panasonic battery is fully charged [at 25 °C (77 °F)]:

Operation	Approx. battery charge
While in use (Talk)	Up to about 6 hours
While not in use (Stand-by)	Up to about 60 hours

• Battery charge may be shortened depending on usage conditions and ambient temperature.
• You need not worry about overcharging.
• The battery will drain even while the unit is "OFF".
• The PS can receive calls even while charging.
• If " Ψ " flashes, power off the handset, otherwise battery charge will be shortened greatly.

Low Battery Warning

The battery needs to be charged in the following situations:
- " ▭ " flashes or the alarm sounds every five seconds*.
- When "CHARGE BATTERY" is displayed, your PS must be re-charged. Please re-charge your PS for 6 hours. When "CHARGE BATTERY" is displayed, the PS cannot be operated.
* If the low battery warning occurs during a conversation, you can have the conversation for another minute, and then the call will be disconnected automatically.

Replacing the Batteries

If " ▭ " flashes after a few telephone calls even when the handset batteries have been fully charged, it is time to replace the batteries with new ones.
Before replacing the batteries, turn the power off to prevent memory loss. Make sure you charge the new batteries for about 6 hours in order to display the battery strength prompt correctly.
• Please order Panasonic battery with service part No. N4HHGMB00001 to replace.

> **CAUTION:**
> Danger of explosion if battery is incorrectly replaced.
> Replace only with the same or equivalent type of battery recommended by the manufacturer.
> Dispose of used batteries according to the manufacturer's instructions.
> The product that you have purchased contains a rechargeable battery. The battery is recyclable. At the end of its useful life, under various state and local laws, it may be illegal to dispose of this battery into the municipal waste stream. Check with your local solid waste officials for details in your area for recycling options or proper disposal.

The Nickel Metal Hybride battery you have purchased is recyclable.
Please call 1-800-8-BATTERY for information on how to recycle this battery.

IMPORTANT SAFETY INSTRUCTIONS

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

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

SAVE THESE INSTRUCTIONS

Important Information

CAUTION

To reduce the risk of fire or injury to persons, read and follow these instructions.

1. Use only the battery specified.
2. Do not dispose of the battery in a fire. It may explode. Check with local waste management codes for special disposal instructions.
3. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause burns or injury to the eyes or skin. The electrolyte may be toxic if swallowed.
4. Exercise care in handling battery in order not to short the battery to conductive materials such as rings, bracelets, and keys. The battery and/or conductor may overheat and cause burns.
5. Charge the battery provided with or identified for use with this product only in accordance with the instructions and limitations specified in this manual.
6. Danger of explosion if battery is incorrectly replaced.
   Replace only with the same or equivalence type recommended by the manufacturer.

WARNING:

TO PREVENT THE RISK OF FIRE OR ELCTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR ANY TYPE OF MOISTURE.

Privacy of communications may not be ensured when using this phone

For body worn operation, this device has been tested and meets FCC RF exposure guidelines when used with the Panasonic Belt Clip included in your package which provides a 0.6 cm spacing between the phone and the body.
Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

CAUTION:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

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Important Information

NOTE:

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This device may not cause harmful interference, and must accept any interference received including interference that may cause undesired operation.

This device generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the device and receiver.
— Connect the device into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Some wireless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the wireless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the wireless telephone further away from the TV or VCR. This will often reduce or eliminate interference.

Environment — Do not place the unit in rooms where the temperature is less than 5 °C (41 °F) or greater than 40 °C (104 °F). Allow 10 cm (4 inches) clearance around the unit for proper ventilation.

Avoid excessive smoke, dust, mechanical vibration, shock, or direct sunlight.

Medical — Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2401 MHz to 2480 MHz and emits 0.4 watts of RF [radio frequency] power.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using unit that could be sensitive to external RF energy.

Routine care — Wipe the unit with a soft cloth. Do not use benzine, thinner, or any abrasive powder. When you leave the unit unused for a long period of time, unplug the AC adaptor from the outlet.

Hearing Aid Compatibility

This telephone provides magnetic coupling for hearing aids.

For Product Service

• Panasonic Servicenters are listed in the servicenter directory.
• Call 1-800-211-PANA (7262) for the location of an authorized servicenter.
• Panasonic's e-mail address for customer inquiries:
  consumerproducts@panasonic.com
  for customers in the U.S.A or Puerto Rico ONLY

Important Information

When you ship the product
• Carefully pack your unit, preferably in the original carton.
• Attach a letter, detailing the symptom, to the outside of the carton.

Symptom

• Send the unit to an authorized servicenter, prepaid and adequately insured.
• Do not send your unit to the Panasonic Consumer Electronics Company listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products.

> • This cordless telephone is designed for use in the United States of America. Sale or use of this product in other countries may violate local laws.
> • Ce téléphone sans fil est conçu pour être utilisé aux États-Unis d'Amérique. La vente ou l'emploi de cet appareil dans certains autres pays peut constituer une infraction à la législation locale.
> • Este teléfono sin cordón fue elaborado para uso en los Estados Unidos de América. La venta o el empleo de este producto en ciertos países puede constituir violación de la legislación local.
> • このコードレス電話機は、日本国外での使用を目的として設計されており、日本国内での使用は法律違反となります。従って、当社では日本国内においては原則として修理などのサービスは致しかねます。

For your future reference

SERIAL NO. _____
(found beneath the battery)

DATE OF PURCHASE_____

NAME OF DEALER _____

DEALER'S ADDRESS_____

_____

_____

_____

DEALER'S TEL. NO. _____

Printed in Japan   **PSQX2575ZA** KK0802EK0

Panasonic

2.4GHz Wireless Telephone System (Portable Unit)

Model: KX-TD7680

Documentation for PCTEST

1. Testing information (for test purpose only)
2. Block and Circuit Diagrams
3. Operating Instructions