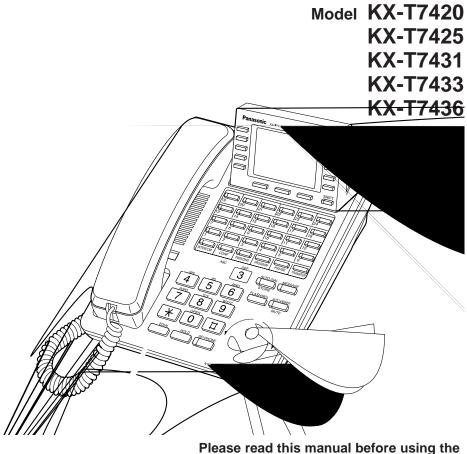


Digital Proprietary Telephones for Digital Super Hybrid Systems

# **Operating Instructions**



Please read this manual before using the Digital Proprietary Telephone.

## Thank you for purchasing a Panasonic Telephone.

## Accessories

#### When unpacking, check the following items.

Handset	one
Telephone line cord	one
Handset cord	one
Overlay	one (KX-T7431, KX-T7433 and
	KX-T7436 only)
Card holder with memory station card	one (KX-T7420, KX-T7425 only)

#### Warning:

This is a Class A Product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

This Systemtelephone complies with the EU Directives.



"Electrical equipment for use within certain voltage limits."

89 / 336 / EEC "Electromagnetic compatibility" (basic standard)

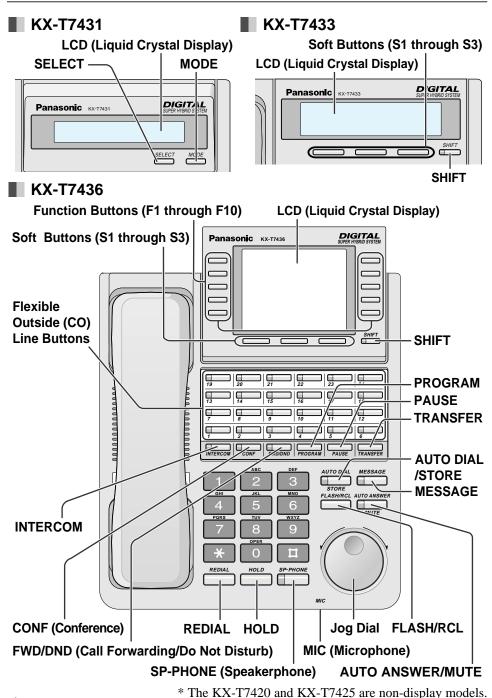
"Electromagnetic compatibility" (amendment) "Making"

The CE mark on this Systemtelephone certifies compliance with the above mentioned Directives.

For you	r future reference
SERIAL NO(found on the bottom of the unit)	- DATE OF PURCHASE ————
NAME OF DEALER	
DEALER'S ADDRESS	

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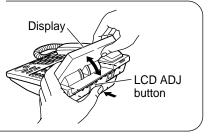


AUTO ANSWER	AUTO ANSWER Used to answer an intercom call automatically. MUTE	MESSAGE	<b>MESSAGE</b> Used to leave a notification or call back the party who left the notification.
	Used to listen to the other party without them hearing you.	MODE	<b>MODE</b> Used to set the display to access a feature.
STORE	Used for speed dialling in the system or storing program changes.	PAUSE	<b>PAUSE</b> Used to insert a pause in speed dial numbers or in other numbers.
CONF	Used to make a three-party conference. <b>FLASH/RCL</b> Used to disconnect the current call and	PROGRAM	<b>PROGRAM</b> Used to enter and exit the
FLASH/RCL	make another call with holding the same outside line.	REDIAL	programming mode. <b>REDIAL</b> Used to redial.
	<b>Flexible Outside (CO) Line Button</b> Used to make or receive an outside call, or access a feature if the button is assigned as a One-touch dialling button.	SELECT	<b>SELECT</b> Used to select the displayed function or to call the displayed phone number.
	<b>Function Button</b> Used to perform the displayed function or operation.	SHIFT	<b>SHIFT</b> Used to alternate the sub function on the display.
FWD/DND	<b>FWD/DND</b> Used to perform Call Forwarding or Do Not Disturb.		<b>Soft Button</b> Used to perform the function or operation that appears on the bottom
HOLD	<b>HOLD</b> Used to place a call on hold.		line of the display. SP-PHONE
	<b>INTERCOM</b> Used to make or receive intercom calls.		Used for the handsfree operation.
$\bigcirc$	Jog Dial Used to adjust the volume and the display contrast or select desired items for each functions.	TRANSFER	<b>TRANSFER</b> Used to transfer a call to another party.

#### For KX-T7433 and KX-T7436 Users

The display angle can be adjusted.

- **1** Press the **LCD ADJ** button.
- **2** Lift or put down the display.



## Connection

The telephone line cord (included)

 $\rightarrow$  Connect to a Digital Super Hybrid System (**TO MAIN UNIT**).

→ Connect to a standard telephone jack (TO TEL), telephone answering machine, or fax for XDP\* or parallel connections.

\* For more details about XDP, consult with your dealer.

### Attention -

Ensure the cords are inserted in the grooves to prevent damage to the connectors, for both wall mounting and desktop positioning.

## Controlling the volume/adjusting the display contrast

#### Speaker volume

< Back view >

- **1** Press the **SP-PHONE** button.
- **2** Rotate the **Jog Dial** in the desired direction.

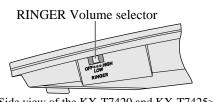
#### Handset/Headset volume

- 1 Lift the handset. (Press the SP-PHONE button for headset volume.)
- **2** Rotate the **Jog Dial** in the desired direction.

#### For KX-T7420 and KX-T7425 Users

#### **Ringer volume**

1 Adjust the **RINGER Volume selector** lever to the desired setting (OFF/LOW/HIGH).



<Side view of the KX-T7420 and KX-T7425>

#### For KX-T7431 Users

#### Display contrast

While idle and on-hook

- 1 Press the **MODE** button six times. Display: Contrast: 3
- **2** Rotate the **Jog Dial** in the desired direction.

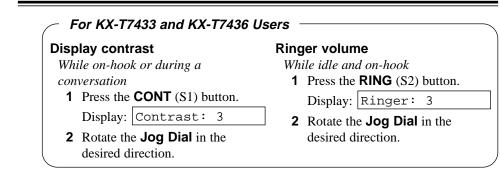
#### **Ringer volume**

While idle and on-hook

1 Press the **MODE** button five times.

Display: Ringer: 3

2 Rotate the **Jog Dial** in the desired direction.



## Description of the symbols

In this manual, many symbols are used. Some of the symbols are described below.



#### Off-hook

- Lift the handset.
- Press the SP-PHONE button.



- Replace the handset.
- Press the SP-PHONE button.



Various tones are heard depending on the operation.

Press the desired number

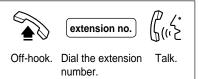
keys on the telephone.

#### Helpful hints for the handsfree operation

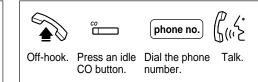
- If the other party's voice is difficult to hear; Raise the sound level using the speaker volume control.
- If the other party has difficulty hearing you; Lower the speaker volume.
- Absorbing echoes; Use this unit in a room which has curtains and/or carpeting.
- To avoid missing part of the conversation; If you and the other party speak at the same time, parts of your conversation will be lost. To avoid this, speak alternately.

## Calling

#### To an extension

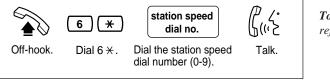


#### To an external party



## Speed dialling

#### Using a speed dial number stored in your telephone



**To store numbers,** refer to page 25.

#### Using a speed dial number stored in the system



**To store numbers,** refer to page 27.

## One-touch dialling



**To store numbers,** refer to page 18.

## Dialling the last number you dialled (Last Number Redial)



### Receiving calls



If your telephone rings,

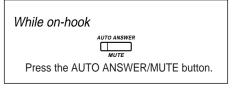
- Lift the handset or press the SP-PHONE button. (Default: The ringing line is selected.)
- Press the rapid flashing green outside (CO) line button or rapid flashing INTERCOM button.

#### Handsfree answerback

You can answer an intercom call without lifting the handset. The AUTO ANSWER/MUTE button light shows the current status as follows.

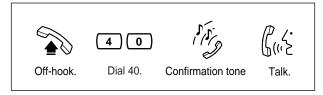
On: Set Off: Not set

#### To set / cancel



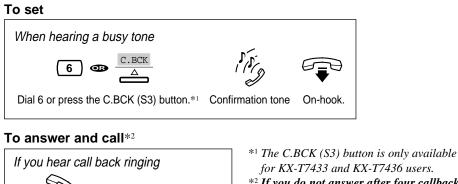
## Picking up a call for someone else (Call Pickup)

You can answer an incoming call that is ringing at another extension from your telephone. A call within your extension group can be picked up.



## Reserving a busy line (Automatic Callback Busy)

You can receive a notification when a busy extension becomes free. To answer the notification, lift the handset or press the SP-PHONE button. The called extension starts ringing automatically.



\*<sup>2</sup> If you do not answer after four callback rings, this feature will be cancelled.

## Leaving a call notification (Message Waiting)

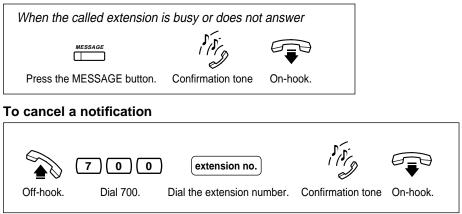
The extension is

called automatically.

When the called extension is busy or does not answer, you can leave a notification to have the called extension call you back.

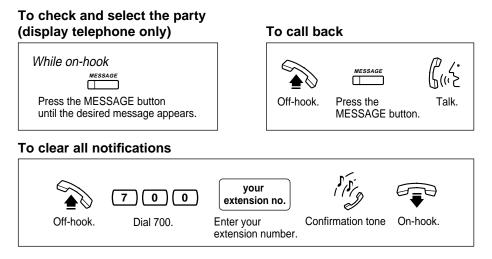
#### To leave a notification

Off-hook.



## When you receive a notification (Message Waiting)

The MESSAGE button lights to let you know that a call has been received.



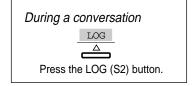
## Calling using the call log (Incoming Call Log)

(KX-T7433/KX-T7436 only)

If you do not answer a call, your telephone automatically records the incoming outside call information with the CLIP (Calling Line Identification Presentation) service\*. You can also record the existing call during a conversation or call back the logged numbers. To confirm or call back using the call log, refer to pages 22 (for KX-T7433) and 24 (for KX-T7436).

\* The CLIP service provides you with the caller's telephone number. For more details, consult with your dealer.

#### To record the information of an existing call



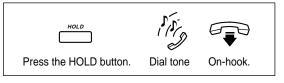
## Placing a call on hold

The corresponding outside (CO) line button or the INTERCOM button lights show the current status as follows.

Flashing green slowly: Your held call

Flashing red slowly: Another extension's held call

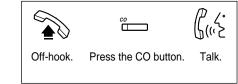
#### Holding



To retrieve a call at the holding extension<sup>\*1</sup>

 
 CO
 CO
 Impercedent

 Off-hook.
 Press the CO or INTERCOM button.
 Talk.
 To retrieve an outside call from another extension<sup>\*1</sup>

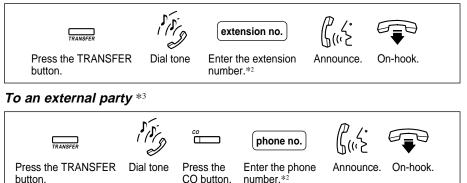


\*1 If a call is not retrieved within a specified time, you will hear an alarm as a reminder.

## Transferring a call

#### Using the TRANSFER button

#### To an extension



- \*<sup>2</sup> To retrieve the held call, press the TRANSFER button, corresponding Outside (CO) line button, or the INTERCOM button.
- \*3 Transferring a call to an external party may be restricted by System Programming.

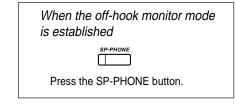
### **Off-hook Monitor** (KX-T7431/KX-T7433/KX-T7436 only)

You can make other users listen to the conversation through the built-in speaker, while continuing the conversation using the handset.\*<sup>1</sup>



During a conversation using a handset	
SP-PHONE	
Press the SP-PHONE button.	

#### To cancel

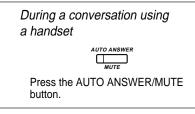


\*1 This is only available during a conversation with the handset.

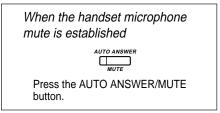
## Handset Microphone Mute

You can turn off the handset microphone so you can consult privately with others in the room. You will still be able to hear the other party.\* $^{2}$ 

#### To set



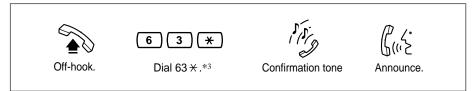
#### To cancel



\*2 This is only available during a conversation with the handset.

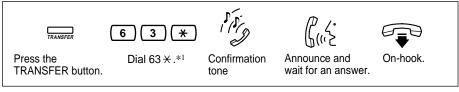
## Paging

You can make a voice announcement to all people in the office through the telephone speaker and external speaker at the same time.



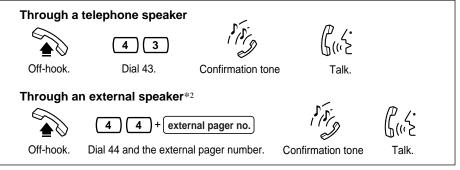
\*3 For KX-TD208 users, dial 630.

### Paging a person and transferring a call



\*1 For KX-TD208 users, dial 630.

## Answering an announced page

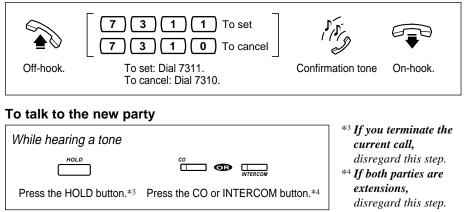


\*<sup>2</sup> The KX-TD816/1232 users only.

## Answering a call waiting

During a conversation, a call waiting tone occurs when an outside call is received or another extension is letting you know that another call is waiting. (Default: Cancel)

#### To set / cancel

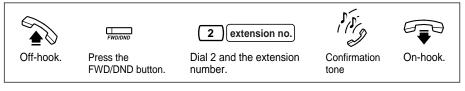


## Forwarding your calls (Call Forwarding)

You can have your incoming calls forwarded to another extension or external party.

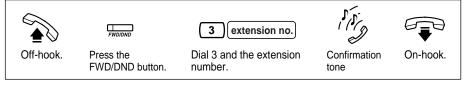
#### All calls

All calls are forwarded to another extension.



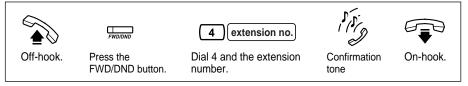
#### Busy

All calls are forwarded to another extension when your extension is busy.



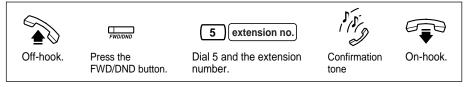
#### No answer

All calls are forwarded to another extension when you do not answer the call.



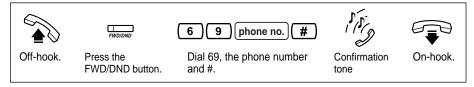
#### Busy/No answer (BSY/NA)

All calls are forwarded to another extension when you do not answer or when your extension is busy.



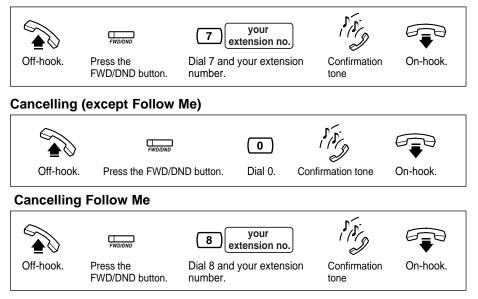
#### To outside (CO) line

All calls are forwarded to an external party. Some extensions may be restricted.



#### Follow Me (From)

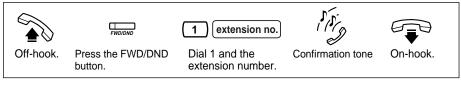
All calls are forwarded to another extension which you set to receive your calls at the receiving extension.



## Preventing others from disturbing you (Do Not Disturb [DND])

During a meeting or when you are busy, you can refuse an incoming call. You can also forward an incoming outside call to another extension or operator.

#### Forwarding to another extension



Forwarding to	o an operator			
Off-hook.	FWD/DND Press the FWD/DND button.	<b>10</b> Dial 10.	Confirmation tone	On-hook.
Refusing all o	calls			
Off-hook.	FWD/DND Press the FWD/DND button.	<b>1 *</b> Dial 1 <del>*</del> .	Confirmation tone	On-hook.
Cancelling				
	FWD/DND	0	N IN	
Off-hook.	Press the FWD/DND button.	Dial 0.	Confirmation tone	On-hook.

## Three-party conversation (Conference)

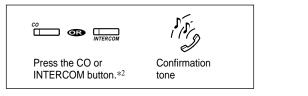
You can add another party during a conversation.

#### Adding a third party during a conversation

CONF	third party's no.	((، ک	CONF	N N.
Press the CONF button.	Enter the third party's number.*1	Talk to the third party.	Press the CONF button.	Confirmation tone

\*1 To add an external party, press an outside (CO) line button and dial the phone number.

#### To talk to one party by terminating the other



#### Leaving a conference

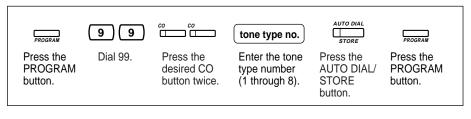


\*<sup>2</sup> This is only available for a combination of one extension and two outside (CO) lines or two extensions and one outside (CO) line.

## Ringing tone selection for CO buttons

You can select the desired ringer frequency for each outside (CO) line button.

#### To program



## Storing numbers for One-touch dialling

The stored number is dialled automatically by pressing an outside (CO) line button which is assigned as a one-touch dialling button.

#### To program

PROGRAM	99	со 	2	desired number	AUTO DIAL	PROGRAM
Press the PROGRAM button.	Dial 99.	Press the desired CO button.	Dial 2.	Enter the desired number.	Press the AUTO DIAL/ STORE button.	Press the PROGRAM button.

## Using the Jog Dial

Using the display message and the Jog Dial, KX-T7431, KX-T7433 and KX-T7436 users can make a call or operate the features without programming the feature numbers. The displays used in this page are a KX-T7431.

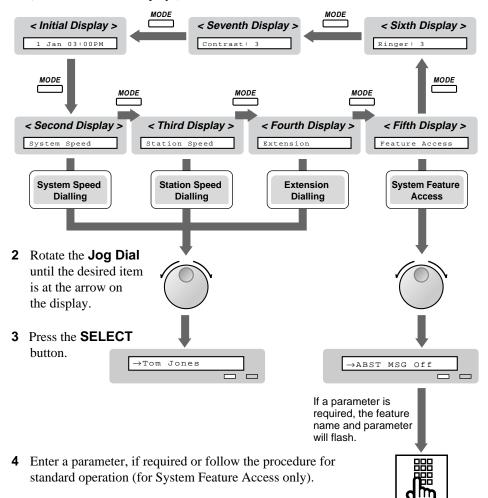
Extension Dialling Extension	You can make an intercom call using the directory.	Only items which have a name assigned are displayed in alphabetical order.
System Speed Dialling System Speed	You can make a call to a party stored in the system using the directory.	
Station Speed Dialling Station Speed	You can make a call to a party stored in your telephone.	Items which have a name assigned are displayed by priority in stored order. If a name is not assigned, the number is displayed.
System Feature Access Feature Access	You can access the fea in alphabetical order.*	tures which are displayed

\* For more details about the accessible features, refer to your Digital Super Hybrid System manual or consult with your dealer.

## KX-T7431

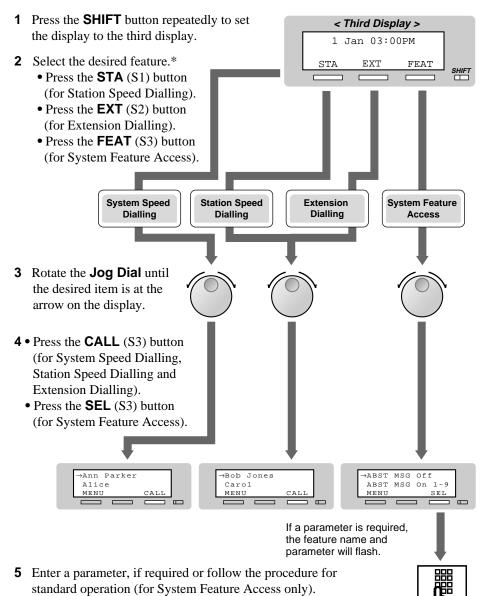
#### **Operating the feature**

1 Press the **MODE** button repeatedly to set the display to the Jog Dial function (the second to fifth displays).



## KX-T7433

#### Operating the feature

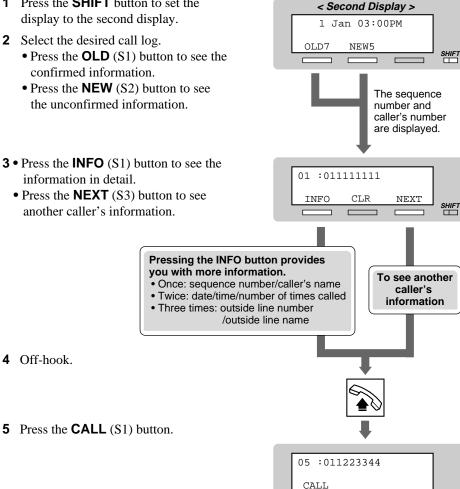


\* Step 2 can be skipped for System Speed Dialling.

#### Confirming and calling back using the call log



- **2** Select the desired call log.
  - Press the OLD (S1) button to see the confirmed information.
  - Press the **NEW** (S2) button to see the unconfirmed information.
- 3 Press the INFO (S1) button to see the information in detail.
  - Press the **NEXT** (S3) button to see another caller's information.

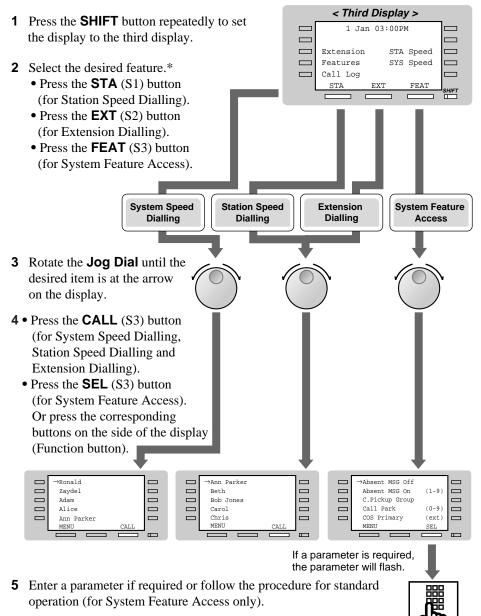


SHIFT 

4 Off-hook.

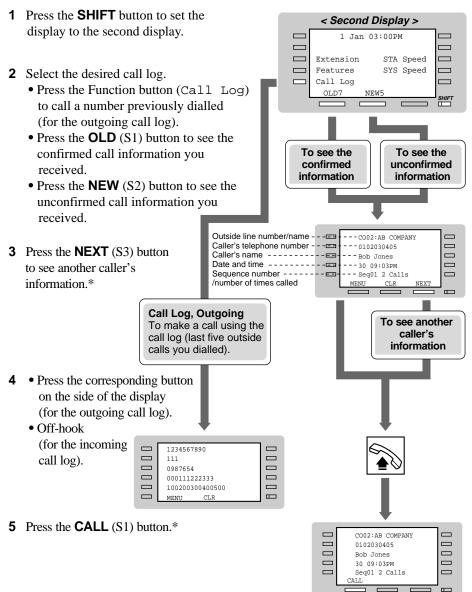
## KX-T7436

#### **Operating the feature**



\* Step 2 can be skipped for System Speed Dialling.

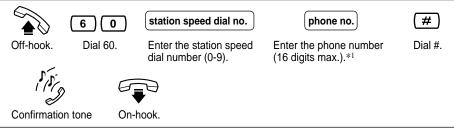
#### Confirming and calling back using the call log



\* Step 3 and 5 can be skipped for the outgoing call log.

# Storing names and numbers at your extension for personal use

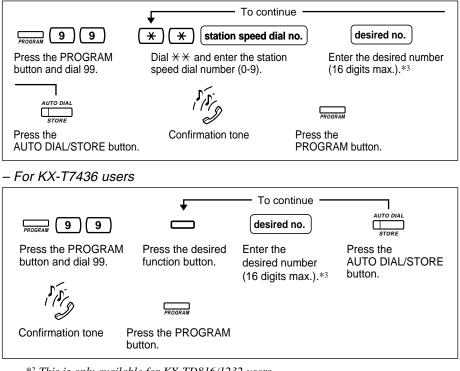
#### To store a phone number



\*1 " $\star$ " and PAUSE can be also stored as digits.

#### To store a phone number

- For KX-T7431 and KX-T7433 users \*2

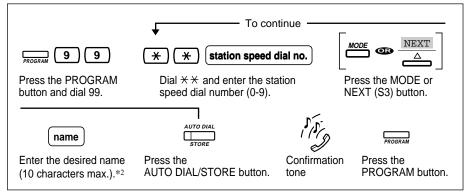


\*2 This is only available for KX-TD816/1232 users.

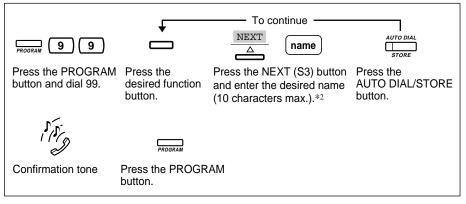
\*<sup>3</sup> "★", "#", RECALL, SECRET (INTERCOM), - (CONF) and PAUSE can be also stored.

#### To store a name

- For KX-T7431 and KX-T7433 users \*1



#### – For KX-T7436 users



\*1 This is only available for KX-TD816/1232 users.

\*2 To enter characters, press 2 and rotate the Jog Dial to select the character.
 You can continue entering characters by pressing 2 and using the jog dial repeatedly.
 To correct a wrong entry, press the TRANSFER button and enter the new one.

#### Example: To enter "Mike"

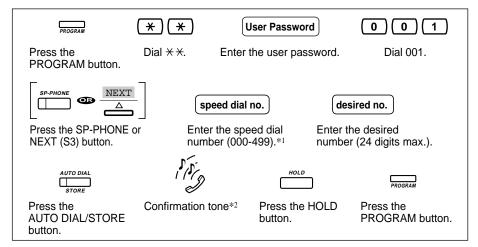
- **1** Press 2, rotate the Jog Dial to enter "M".
- **2** Press 2, rotate the Jog Dial to enter "i".
- **3** Press 2, rotate the Jog Dial to enter "k".
- **4** Press 2, rotate the Jog Dial to enter "e".

#### Storing names and numbers in the system

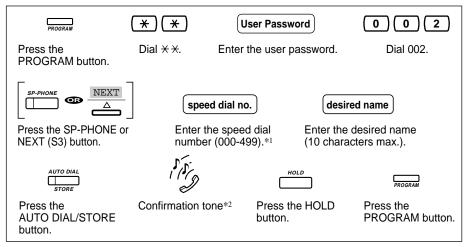
(KX-T7431/KX-T7433/KX-T7436 only)

As the stored numbers can be used by all of the users in the system, confirm the stored entries with other users.

#### To store a phone number



#### To store a name

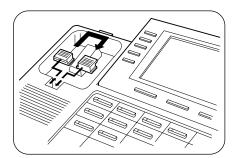


\*1 100 speed dial numbers (00-99) can be stored in the KX-TD208.

\*<sup>2</sup> You can continue entering the number/name by pressing the NEXT (S3) or SP-PHONE button after the confirmation tone.

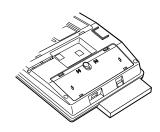
# Wall Mounting

**1** Remove the handset hook by pulling it toward the top of the unit. Turn it around and re-insert it.

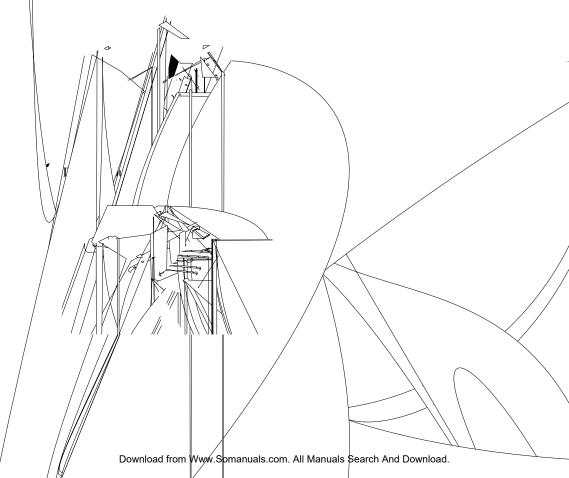


**2** Remove the attached stand.

**4** Insert the stand in the centre slots.



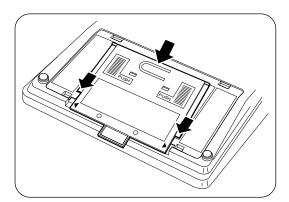
**5** Mount the unit on the wall.



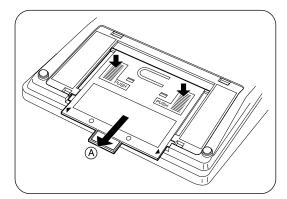
# Installing the Card Holder

The KX-T7420 and KX-T7425 are equipped with a card holder with memory station card. Follow the instructions below to install the card holder to the unit.

**1** Place the card holder edges so that they can be inserted under the slide rails on the unit.

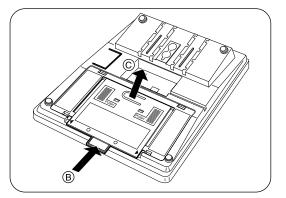


**2** While pushing on the areas marked "PUSH", insert the edges of the holder under the slide rails and then slide in the direction of arrow (A).



#### Remove the card holder:

Push the card holder in the direction of arrow (B). Then, while pressing on the tab, pull the top of the holder in the direction of arrow (C).



## Features List

Desired Function	Operation
Setting Absent Message	
Account Code Entry	► 4 9 ► account code + # ► come hone no.
Sending a Call Waiting tone (BSS)	While hearing a busy tone 2 $\blacktriangleright$ Wait for an answer. $\blacktriangleright$ $f(4^{2})$
Forwarding a call	All Calls 2 ← extension no. Busy 3 ← extension no. No Answer 4 ← extension no. Busy / No Answer 5 ← extension no. To Outside Line 6 9 ← phone no. ← # Follow Me 7 ← your extension no. Cancel Follow Me 8 ← your extension no.
Holding a call	Holding       To retrieve a call at the holding extension         Hold       Image: Comparison of the comparison of
Holding a call exclusively	Holding       To retrieve a call on exclusive hold $\stackrel{HOLD}{\longrightarrow} \stackrel{HOLD}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\longleftarrow} \stackrel{\blacksquare}{\longrightarrow} \stackrel{\blacksquare}{\blacksquare} \stackrel$
Parking a call in the system	TRANSFER
Picking up a call	
Transferring a call	$FRANSFER \models \left[ \begin{array}{c} extension no. \\ co \\ \hline extension \\ to an external party \\ \hline extension \\ Announce. \\ \hline extension \\ \hline extens$
Call Waiting	$ \begin{bmatrix} 7 & 3 & 1 & 1 & \text{Set} \\ 7 & 3 & 1 & 0 & \text{Cancel} \end{bmatrix} \models \textcircled{3} $
Three-party conference	$\underset{conf}{\blacksquare} \blacktriangleright \text{ (third party's no.)} \blacktriangleright \qquad $
Paging	All extensions & external speaker Sector KX-TD816/1232 6 3 0 For KX-TD208 ► C((*) Announce.

Desired Function	Operation
Do Not Disturb (DND)	Forwarding to another extension Forwarding to an operator Forwarding to an operator 1 0 Refusing all calls 1 * Cancelling 0
Locking your extension	T T lock code lock code Lock       T T lock code Unlock       Unlock
Clearing the setting	€ < 7 9 0 ► €
Message Waiting	To leave a notification $\begin{array}{c} \overset{\text{MESSAGE}}{\longrightarrow} & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & &$
Calling an operator	
Connecting an SLT in parallel	$ \begin{bmatrix} 6 & 9 & 1 \\ 6 & 9 & 0 \\ 6 & 9 & 0 \\ Cancel \end{bmatrix}  $
Calling a pre-programmed party (Pickup Dialling)	To store $ \begin{array}{c}                                     $
Speed dialling (Station)	To set $ \begin{array}{c}                                     $
Speed dialling (System)	$ \qquad \qquad$

\* For KX-TD816/1232 users, some features numbers can be changed by System Programming. Consult with your dealer for more details.

## Cautions

- The apparatus is designed to be installed and operated under controlled conditions of ambient temperature and a relative humidity not greater than 60%.
- Avoid installing the apparatus in damp or humid environments, such as bathrooms or swimming pools.
- 999 or 112 can be dialled on the apparatus after accessing the CO line for the purpose of making outgoing calls to the BT emergency service.
- During dialling, this apparatus may tinkle the bells of other telephones using the same line. This is not a fault and we advise you not to call Fault Repair Service.
- If the apparatus does not operate properly, disconnect the unit from the extension line cord and then connect again.
- **Power failure transfer** Even if the KX-T7400 series are connected to telephone line, they will not operate during a power failure.

#### **Others:**

- If there is any trouble, unplug the extension line and connect a known working phone. If the known working phone operates properly, have the defective phone repaired by one of the specified Panasonic Factory Service Centres. If the known working phone does not operate properly, check the Digital Super Hybrid System and the Internal extension wiring.
- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps and motors.
- The unit should be kept free of dust, moisture and vibration, and should not be exposed to direct sunlight.
- Do not use benzine, thinner, or the like, or any abrasive powder to clean the cabinet. Wipe it with a soft cloth.
- Do not use any handset other than a Panasonic handset for model KX-T7400 series use.

• KX-T7400 series are capable of being used in conjunction with hearing aids fitted with inductive coil pick-ups. The handset should be held as for normal conversation. For operation the hearing aid should be set to it's "T" position or as directed in the operating instructions for the hearing aid.



- KX-T7400 series are designed to aid the visually handicapped to locate dial keys and buttons.
- KX-T7400 series cannot be connected to the public telecommunications network. Connecting the KX-T7400 series to the public telecommunications network is prohibited by law.

#### WARNING:

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



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