## **Panasonic**

Digital Proprietary Telephones for Digital Super Hybrid Systems

## Operating Instructions

Model KX-T7420 KX-T7425 KX-T7431 KX-T7433 KX-T7436



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

#### When you ship the product

Carefully pack and sent it prepaid, adequately insured and preferably in the original carton. Attach a postage-paid letter, detailing the symptom to the outside of the carton. DO NOT send the product to the Executive or Regional Sales offices. They are NOT equipped to make repairs.

#### **Product service**

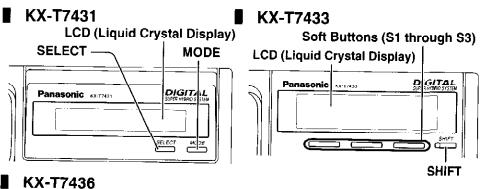
Panasonic Servicenters for this product are listed in the servicenter directory. Consult your authorized Panasonic dealer for detailed instructions.

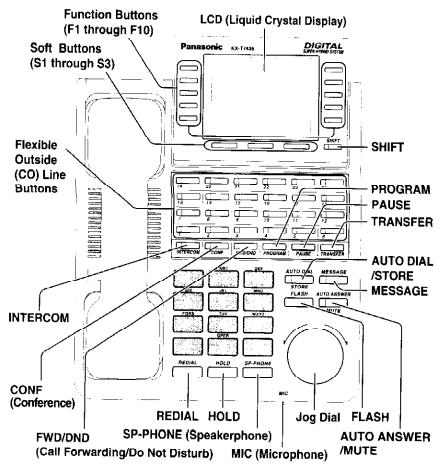
For your future reference		
SERIAL NO(found on the bottom of the unit)	DATE OF PURCHASE	
NAME OF DEALER		
DEALER'S ADDRESS		

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## Location of Controls



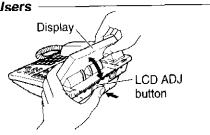


<sup>\*</sup> The KX-T7420 and KX-T7425 are non-display models.

	<u></u>		
AUTO ANSWER	AUTO ANSWER/MUTE AUTO ANSWER is used to answer an intercom call. MUTE is used to listen to the other party without them hearing you.	M¢3SAGE	MESSAGE Used to leave a notification or call back the party who left the notification.  MODE
AUTO DIAL	AUTO DIAL/STORE Used for speed dialing in the system	MODE	Used to set the display to access a feature.
CONF	or storing program changes.  CONF  Used to make a three-party conference.	PAUSE	PAUSE Used to insert a pause in speed dial numbers or in other numbers.
FLASH	FLASH Used to disconnect the current call and make another call with holding	PROGRAM	PROGRAM Used to enter and exit the programming mode.
	the same outside linc.  Flexible Outside (CO) Line Button	REDIAL	REDIAL Used to redial.
	Used to make or receive an outside call, or access a feature if the button is assigned as a One-touch dialing button.	SELECT	SELECT Used to select the displayed function or to call the displayed phone number.
	Function Button Used to perform the displayed function or operation.	SHIFT	SHIFT Used to alternate the sub function on the display.
FWO/DND	FWD/DND Used to perform Call Forwarding or Do Not Disturb.		Soft Button Used to perform the function or operation that appears on the bottom line of the display.
HOLD	Used to place a call on hold.	sp-phone	SP-PHONE Used for the handsfree operation.
INTERCOM	Used to make or receive intercom calls.  Jog Dial  Used to adjust the volume and the	TRANSFER	TRANSFER Used to transfer a call to another party.
	display contrast or select desired items for each functions.		

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

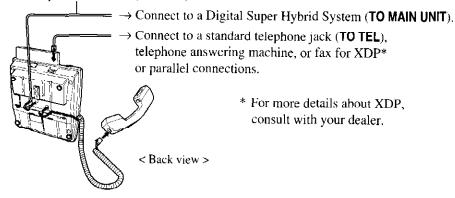
The display can be adjusted.1 Press the LCD ADJ button.2 Lift or put down the display.



## Getting Started

#### Connection

The telephone line cord (included)



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

### Controlling the volume/adjusting the display contrast

#### Speaker volume

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

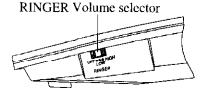
#### Handset/Headset volume

- 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: XXX

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: \*\*\*

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

<sup>\*</sup> While rotating the Jog Dial, the display shows the volume level.

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

## Display contrast

While on-hook or during a conversation

1 Press the CONT (S1) button.

Display: Contrast: \*\*

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

### Ringer volume

While idle and on-hook

- 1 Press the RING (S2) button. Display: Ringer: \* \* \*
- 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.



Press the desired number keys on the telephone.



#### On-hook

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



Various tones are heard depending on the operation.

## 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;

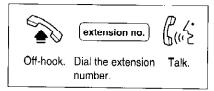
If you and the other party speak at the same time, parts of your conversation will be lost. To avoid this, speak alternately.

<sup>\*</sup> While rotating the Jog Dial, the display shows the volume level.

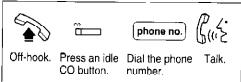
## Making Calls

### Calling



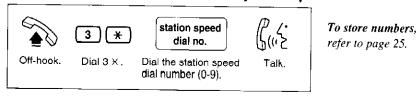




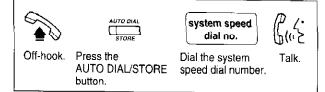


### Speed dialing

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

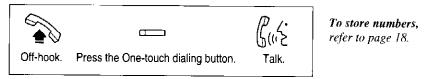


#### Using a speed dial number stored in the system

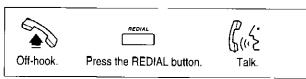


To store numbers, refer to page 27.

### One-touch dialing

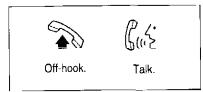


### Dialing the last number you dialed (Last Number Redial)



## Receiving Calls

### 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.

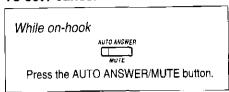
#### Handsfree answerback

You can answer an intercom call without lifting the handset.

The AUTO ANSWER/MUTE button light shows the current status as follows.

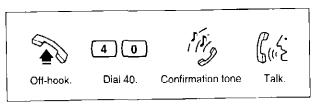
On: Set
Off: Not set

#### 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.

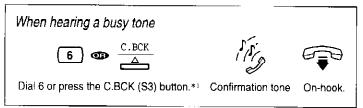


## When the Dialed Extension is Busy/No Answer

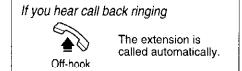
### ■ Reserving a busy line (Automatic Callback Busy)

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.

#### To set



#### To answer and call\*2

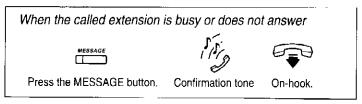


- \* The C.BCK (S3) button is only available for KX-T7433 and KX T7436 users,
- \*2 If you do not answer after four callback rings, this feature will be canceled.

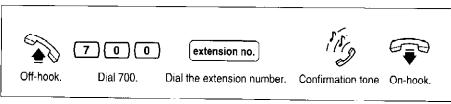
### Leaving a call notification (Message Waiting)

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



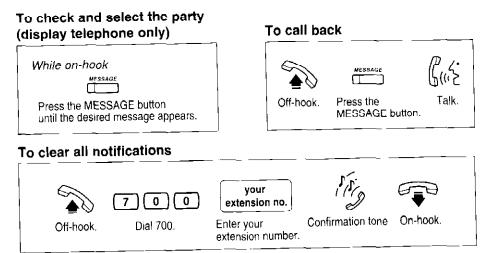
#### To cancel a notification



## Calling Back

## ■ When you receive a notification (Message Waiting)

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



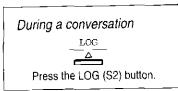
## Calling using the call log (Incoming Call Log) (KX-T7433/KX-T7436 only)

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



## During a Conversation

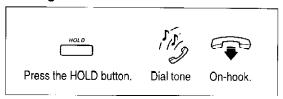
### Placing a call on hold

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

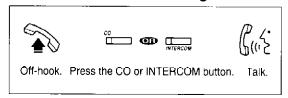
Flashing green slowly: Your held call

Flashing red slowly: Another extension's held call

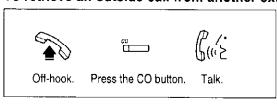
#### **Holding**



#### To retrieve a call at the holding extension\*



#### To retrieve an outside call from another extension\*

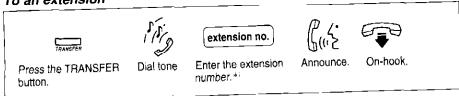


\* If a call is not retrieved within a specified time, you will hear an alarm as a reminder.

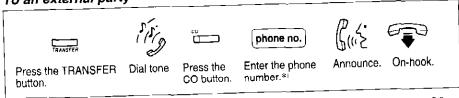
### Transferring a call

## Using the TRANSFER button

#### To an extension



### To an external party \*2



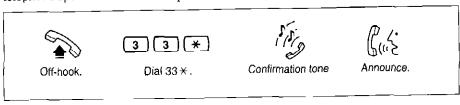
<sup>\*1</sup> To retrieve the held call, press the TRANSFER button, corresponding Outside (CO) line button, or the INTERCOM button.

#### **Through Paging**

Refer to page 14, "Paging a person and transferring a call".

### Paging

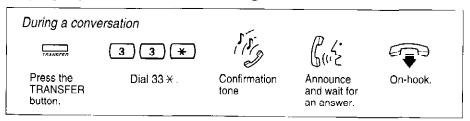
You can make a voice announcement to all people in the office through the telephone speaker and external speaker at the same time.



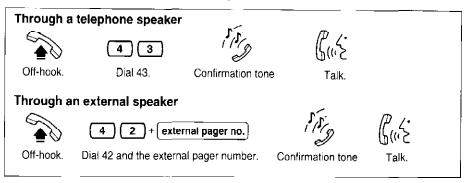
<sup>\*2</sup> Transferring a call to an external party may be restricted by System Programming.

## During a Conversation

### Paging a person and transferring a call



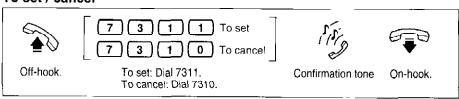
### Answering an announced page



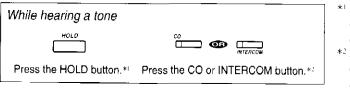
### Answering a call waiting

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



#### To talk to the new party



- \*1 If you terminate the current call, disregard this step.
- \*2 If hoth parties are extensions, disregard this step.

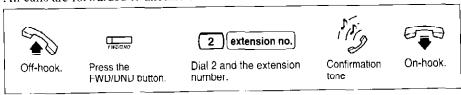
## **Useful Features**

## ■ Forwarding your calls (Call Forwarding)

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

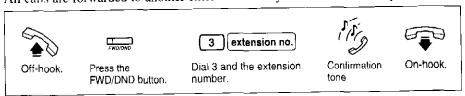
#### All calls

All calls are forwarded to another extension.



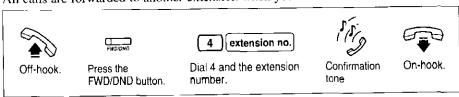
#### **Busy**

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



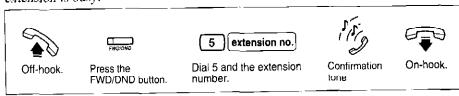
#### No answer

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



#### Busy/No answer (BSY N/A)

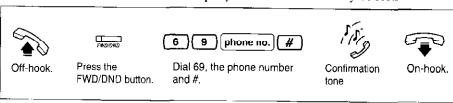
All calls are forwarded to another extension when you do not answer or when your extension is busy.



## **Useful Features**

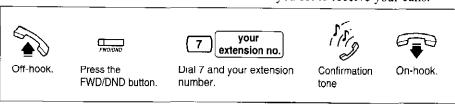
#### To outside (CO) line

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

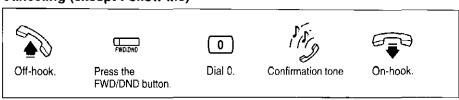


#### Follow Me (From)

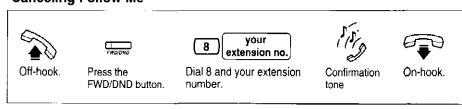
All calls are forwarded to another extension which you set to receive your calls.



#### Canceling (except Follow Me)

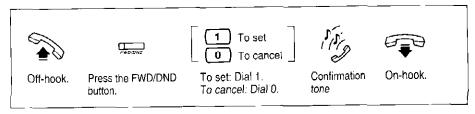


#### **Canceling Follow Me**



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

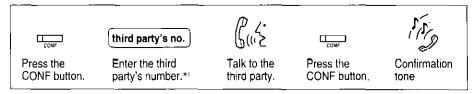
During a meeting or when you are busy, you can refuse an incoming call.



### **Three-party conversation (Conference)**

You can add another party during a conversation.

#### Adding a third party during a conversation



<sup>\*1</sup> 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



<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.

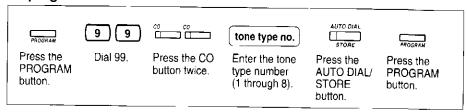
<sup>\*3</sup> If the other parties are both outside lines, they will be disconnected.

## **Useful Features**

### Ringing tone selection for CO buttons

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

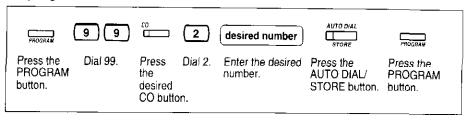
#### To program



### Storing numbers for One-touch dialing

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

#### To program



## How to Use the Display

### 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 Dialing  Extension	You can make an intercom call using the directory.	Only items which have a name assigned are displayed in alphabetical order.
System Speed Dialing System Speed	You can make a call to a party stored in the system using the directory.	
Station Speed Dialing Station Speed	You can make a call to a party stored in your telephone using the directory.	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 features which are displayed in alphabetical order.*	

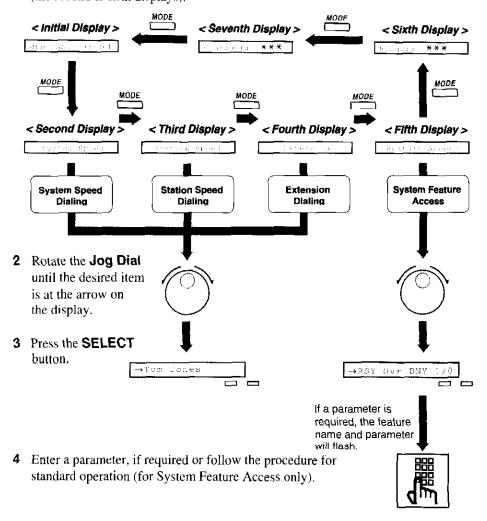
<sup>\*</sup> For more details about the accessible features, refer to your Digital Super Hybrid system manual or consult with your dealer.

## How to Use the Display

#### KX-T7431

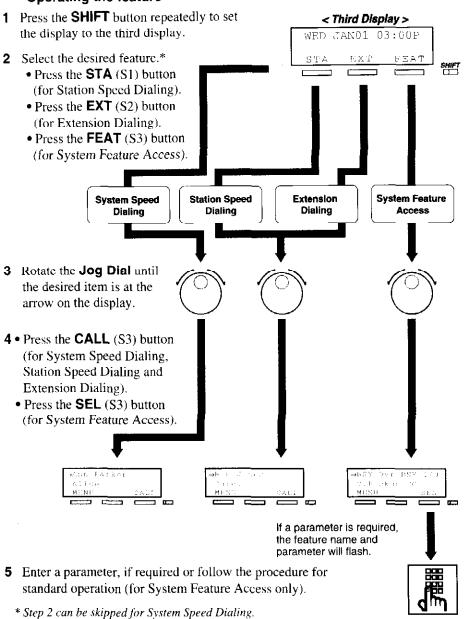
#### Operating the feature

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

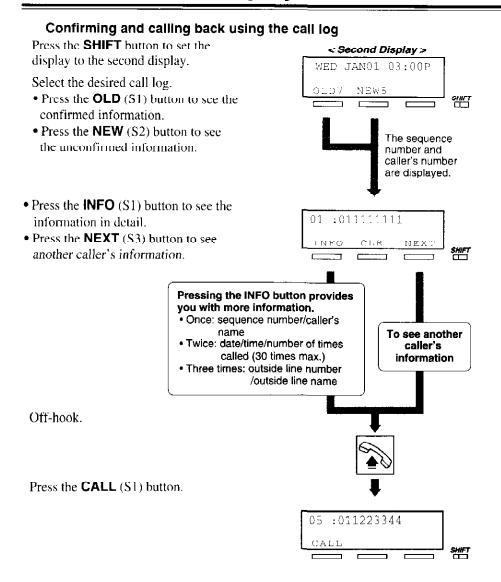


#### ■ KX-T7433

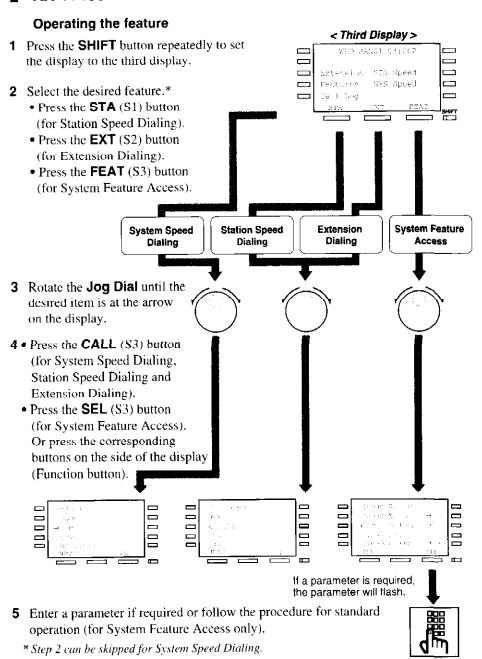
#### Operating the feature



## How to Use the Display



#### **EXX-T7436**



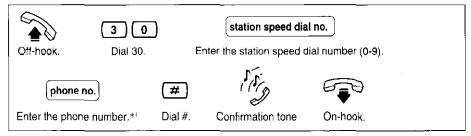
## How to Use the Display

#### Confirming and calling back using the call log 1 Press the SHIFT button to set the < Second Display > display to the second display. WED JANG1 03:008 Features SYS Speed **2** Select the desired call log. Call Log • Press the Function button (call log) to call a number previously dialed (for the outgoing call log). • Press the **OLD** (S1) button to see the confirmed call information you To see the To see the confirmed unconfirmed received. information information • Press the **NEW** (S2) button to see the unconfirmed call information you received. Outside line number/name --Caller's telephone number **3** Press the **NEXT** (S3) button to ---Caller's name -----Date and time --see another caller's information.\* Sequence number (01-30) --/number of times called (30 times max.) To see another Call Log, Outgoing caller's To make a call using the information call log (last five outside calls you dialled). Press the corresponding button on the side of the display (for the outgoing call log). • Off-hook 5 Press the **CALL** (S1) button.\* 011003040 Post conea Calls \* Step 3 and 5 can be skipped for the outgoing call log.

## Storing in Speed Dialing

## Storing names and numbers at your extension for personal use

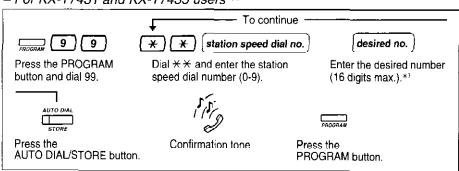
#### To store a phone number



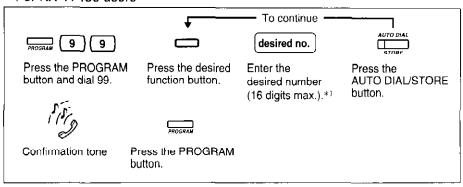
<sup>\*1 &</sup>quot; \* " and PAUSE can be also stored as digits.

#### To store a phone number

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



#### – For KX-T7436 users



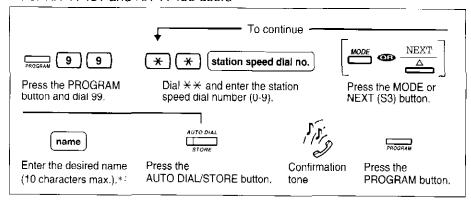
<sup>\*2</sup> This is only available for KX-TD816/1232 users.

<sup>\*\* &</sup>quot;\* ", "#", FLASH, SECRET (INTERCOM),-(CONF) and PAUSE can be also stored.

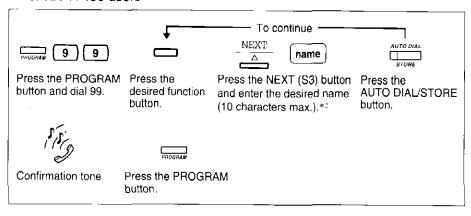
## Storing in Speed Dialing

#### 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.

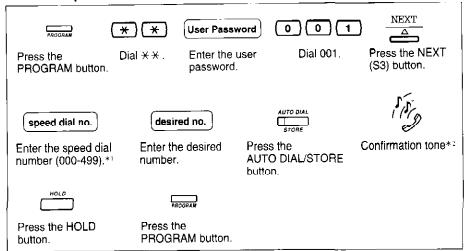
#### Example: To enter "Mike" -

- 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".

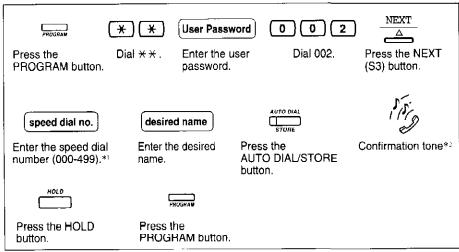
### Storing names and numbers in the system

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

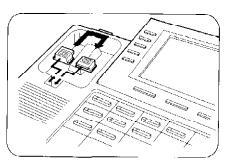


<sup>\*1 100</sup> speed dial numbers (00-99) can be stored in the KX-TD308.

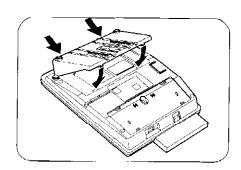
<sup>\*2</sup> You can continue entering the number/name by pressing the NEXT (S3) or SP-PHONE button after the confirmation tone.

## Wall Mounting

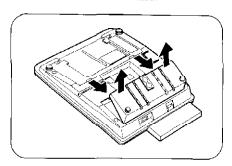
1 Remove the handset hook by pulling it toward the top of the unit. Turn it around and re-insert it.



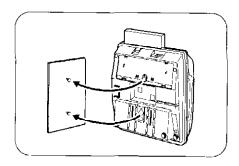
**4** Insert the stand in the center slots.



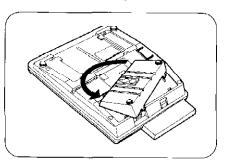
**2** Remove the attached stand.



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

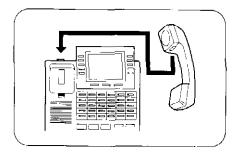


**3** Turn it around 180 degrees.



To temporary place the handset down during a conversation.

Hook it over the top edge of the phone as shown.

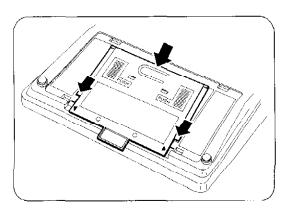


<sup>\*</sup> The illustrations used in this page are a KX-T7436.

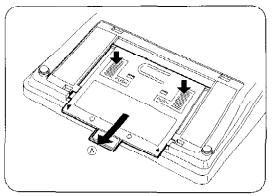
## Installing the Card Holder

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.

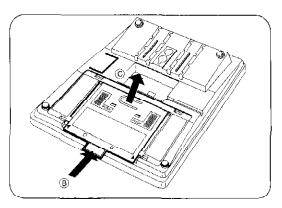


2 While pushing on the areas marked "PUSH", insert the edges of the holder under the slide rails and then slide in the direction of arrow (a).

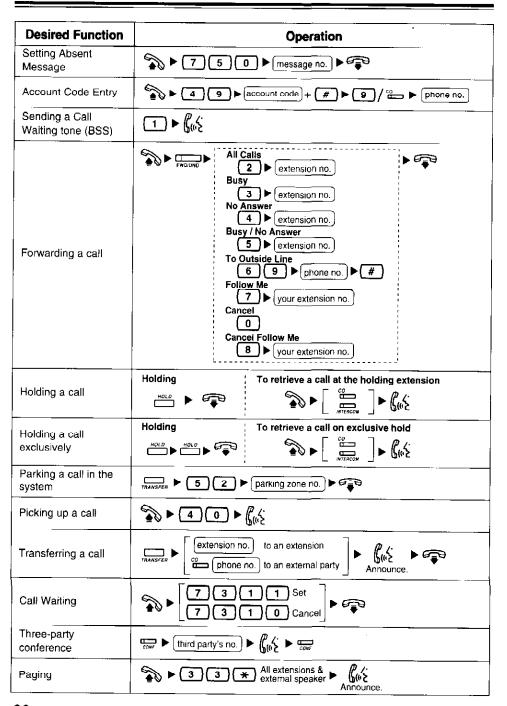


#### Remove the card holder:

Push the card holder in the direction of arrow <sup>®</sup>. Then, while pressing on the tab, pull the top of the holder in the direction of arrow <sup>®</sup>.



### Features List



Desired Function	Operation
Do Not Disturb (DND)	► PARTICIPAL DE TO CANCEL DE TO
Locking your extension	To lock code lock code Lock  To lock code Unlock  To lock code
Clearing the setting	\$\rightarrow 790 \rightarrow \$\bigsip\$
Message Waiting	To leave a notification  WESTAGE  To cancel a notification  To call back  WESTAGE  WESTAGE  To clear all notifications  To clear all notifications  To clear all notifications
Calling an operator	<b>№</b> • • • • • • • • • • • • • • • • • • •
Connecting an SLT in parallel	\$\bigsize \bigsize \bigsize 3 9 1 Set \\ 3 9 0 Cancel \bigsize \bigzize \bigzize \bigzize \bizeta \
Calling a pre- programmed party (Pickup Dialing)	To store
Speed dialing (Station)	To set  Station speed dial no. ▶ phone no. ▶ # ▶   To dial  Station speed dial no. ▶ ((())
Speed dialing (System)	System speed dial no. ► Compared to the system speed dial no.

## Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- Read and understand all instructions.
- Follow all warnings and instructions marked on the product.
- 3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 4. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
- 5. Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.
- 6. Slots and openings in the cabinet and the back or bottom are provided for ventilation, to protect it from overheating, these openings must not be blocked or covered. The openings should never be blocked by placing the product on the bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.

- 7. Do not allow anything to rest on the telephone cord. Do not locate this product where the cord will be abused by persons walking on it.
- 8. Do not overload wall outlets and extension cord as this can result in the risk of fire or electric shock.
- Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
- 10. To reduce the risk of electric shock, do not disassemble this product, but take it to a qualified serviceman when some service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.
- 11. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - A. When the power supply cord or plug is damaged or frayed.
  - B. If liquid has been spilled into the product.
  - C. If the product has been exposed to rain or water.

- D. If the product does not operate normally by following the operating instructions. Adjust only those controls, that are covered by the operating instructions because improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
- E. If the product has been dropped or the cabinet has been damaged.
- F. If the product exhibits a distinct change in performance.
- 12. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- 13. Do not use the telephone to report a gas leak in the vicinity of the leak.

# SAVE THESE INSTRUCTIONS

## FCC and Other Information

#### NOTE:

This equipment 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 equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment 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 equipment and receiver.
- Connect the equipment 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.

#### **WARNING:**

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

#### CAUTION:

To assure continued compliance with FCC rules, do not make any unauthorized modifications. When programming emergency numbers and/or making test calls to emergency numbers:

- 1) Remain on the line and briefly explain to the dispatcher the reason for the call before hanging up.
- Perform such activities in the offpeak hours, such as early morning hours or late evenings.

If there is any trouble, disconnect the unit from the extension line and connect a known working phone. If the known working phone operates properly, have it repaired by one of the specified Panasonic Factory Service Centers. If the known working phone does not operate properly, check the Electronic Modular Switching System and the internal extension wiring.

- Keep the unit away form 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 Panasonic handset.

This telephone provides magnetic coupling for hearing aids.