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.

| Item | Qty | Order replacement White models | parts no. Black models |
|------------------------------|-----|---------------------------------------|---------------------------|
| Handset | one | PQJX2PSL01Z | PQJX2PML01Z |
| Telephone line cord | one | PSJA1063Z | PSJA1063Z |
| Handset cord | one | PSJA1043Z | PSJA1043Y |
| Overlay | one | PSGD1049Z | PSGD1049Z |
| (KX-T7431/KX-T7433/KX-T7436) | | | |
| Card holder | one | PQHR10143YA | PQHR10143YA |
| (KX-T7420/KX-T7425) | | | |
| Memory station card | one | PSHP1007Z | PSHP1007Z |
| (KX-T7420/KX-T7425) | | | |

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."
- "Electromagnetic compatibility" (basic standard)
- "Electromagnetic compatibility" (amendment)
- "Making"

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

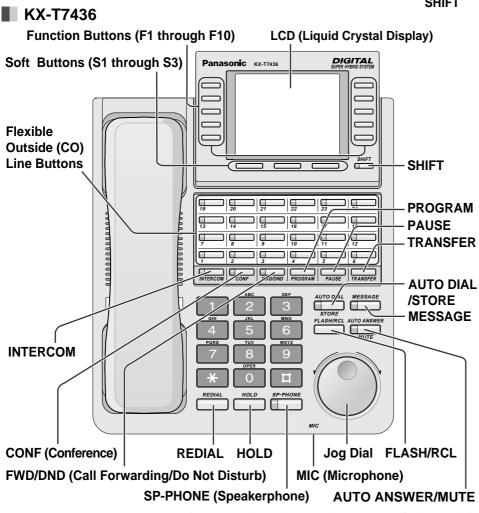
| For your future reference | | |
|---------------------------|---|--|
| | SERIAL NO. — DATE OF PURCHASE — (found on the bottom of the unit) | |
| | NAME OF DEALER | |
| | DEALER'S ADDRESS | |
| | | |

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Location of Controls

■ KX-T7433 KX-T7431 **LCD (Liquid Crystal Display)** Soft Buttons (S1 through S3) **MODE** LCD (Liquid Crystal Display) SELECT -Panasonic DIGITAL Panasonic KX-T7431 **SHIFT**



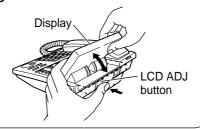
* The KX-T7420 and KX-T7425 are non-display models.

| AUTO ANSWER MUTE | Used to answer an intercom call automatically. MUTE | MESSAGE | 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. AUTO DIAL/STORE | MODE | MODE Used to set the display to access a feature. |
| STORE | Used for speed dialling in the system or storing program changes. | PAUSE | PAUSE Used to insert a pause in speed dial |
| CONF | Used to make a three-party conference. FLASH/RCL Used to disconnect the current call and | PROGRAM | PROGRAM Used to enter and exit the programming mode. |
| | make another call with holding the same outside line. | REDIAL | REDIAL Used to redial. |
| | Flexible Outside (CO) Line Button Used to make or receive an outside call, or access a feature if the button is assigned as a One-touch dialling 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. |
| FWD/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 |
| HOLD | HOLD Used to place a call on hold. | | line of the display. |
| INTERCOM | INTERCOM | SP-PHONE | SP-PHONE Used for the handsfree operation. |
| | Jog Dial Used to make or receive intercom calls. Used to adjust the volume and the display contrast or select desired items for each functions. | TRANSFER | TRANSFER Used to transfer a call to another party. |

For KX-T7433 and KX-T7436 Users

The display angle can be adjusted.

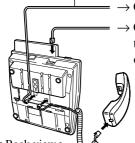
- 1 Press the **LCD ADJ** button.
- **2** Lift or put down the display.



Getting Started

Connection

The telephone line cord (included)



- → 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

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

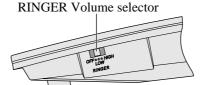
Handset/Headset volume

- 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.

For KX-T7433 and KX-T7436 Users

Display contrast

While on-hook or during a conversation

1 Press the **CONT** (S1) button.

Display: Contrast: 3

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

Ringer volume

While idle and on-hook

1 Press the **RING** (S2) button.

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.

or



Press the desired number keys on the telephone.

• Press the SP-PHONE button.



On-hook

• Replace the handset.







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.

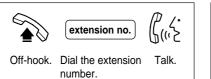
• To avoid missing part of the conversation;

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

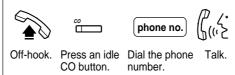
Making Calls

Calling

To an extension

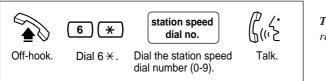


To an external party



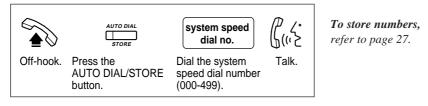
Speed dialling

Using a speed dial number stored in your telephone



To store numbers, refer to page 25.

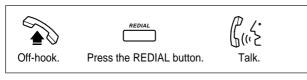
Using a speed dial number stored in the system



One-touch dialling

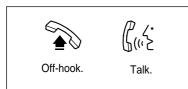


■ Dialling the last number you dialled (Last Number Redial)



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.

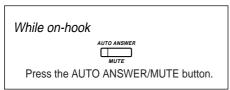
■ Handsfree answerback

You can answer an intercom call without lifting the handset.

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

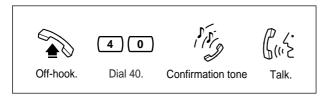
On: Set Off: Not set

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.

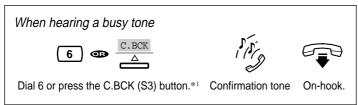


When the Dialled Extension is Busy/No Answer

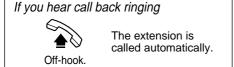
■ Reserving a busy line (Automatic Callback Busy)

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

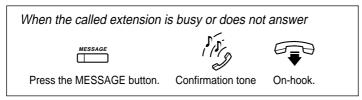


- *1 The C.BCK (S3) button is only available for KX-T7433 and KX-T7436 users.
- *2 If you do not answer after four callback rings, this feature will be cancelled.

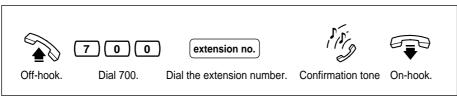
■ Leaving a call notification (Message Waiting)

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

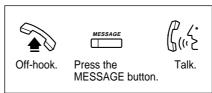
■ When you receive a notification (Message Waiting)

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

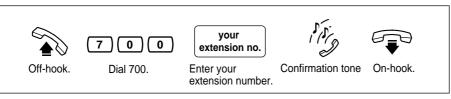
To check and select the party (display telephone only)



To call back



To clear all notifications



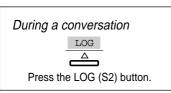
■ Calling using the call log (Incoming Call Log)

(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.

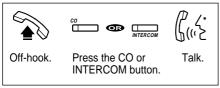
Flashing green slowly: Your held call

Flashing red slowly: Another extension's held call

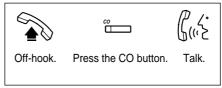
Holding



To retrieve a call at the holding extension*1



To retrieve an outside call from another extension*1

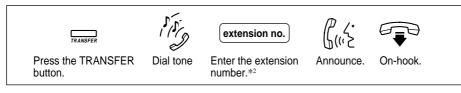


^{*1} If a call is not retrieved within a specified time, you will hear an alarm as a reminder.

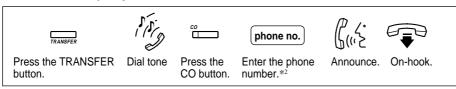
■ Transferring a call

Using the TRANSFER button

To an extension



To an external party *3



^{*2} 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.*1

To set

During a conversation using a handset

SP-PHON

Press the SP-PHONE button.

To cancel

When the off-hook monitor mode is established

SP-PHONE

Press the SP-PHONE button.

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

During a conversation using a handset



Press the AUTO ANSWER/MUTE button.

To cancel

When the handset microphone mute is established



Press the AUTO ANSWER/MUTE

Paging

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



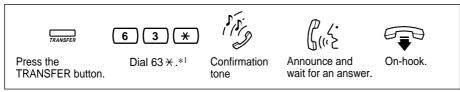
^{*3} For KX-TD208 users, dial 630.

^{*1} This is only available during a conversation with the handset.

^{*2} This is only available during a conversation with the handset.

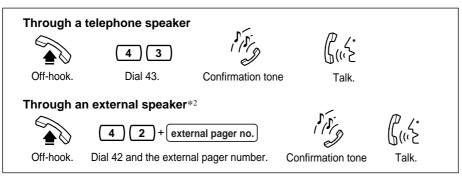
During a Conversation

■ Paging a person and transferring a call



^{*1} For KX-TD208 users, dial 630.

Answering an announced page

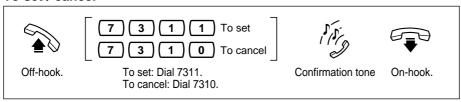


^{*2} The KX-TD816/1232 users only.

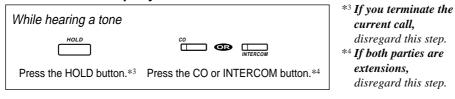
Answering a call waiting

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



To talk to the new party



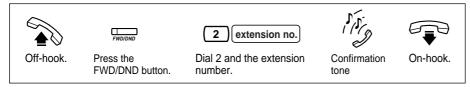
Useful Features

■ Forwarding your calls (Call Forwarding)

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

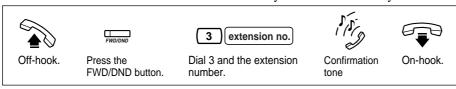
All calls

All calls are forwarded to another extension.



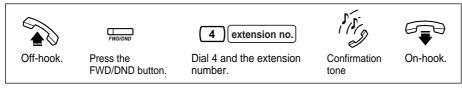
Busy

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



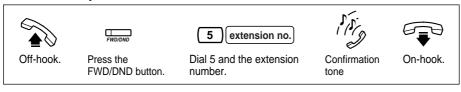
No answer

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



Busy/No answer (BSY/NA)

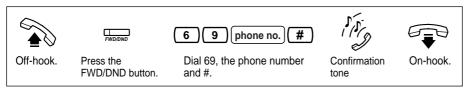
All calls are forwarded to another extension when you do not answer or when your extension is busy.



Useful Features

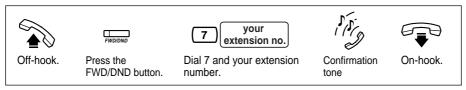
To outside (CO) line

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

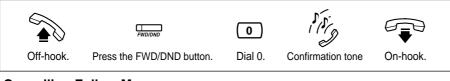


Follow Me (From)

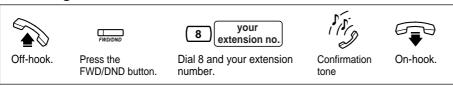
All calls are forwarded to another extension which you set to receive your calls at the receiving extension.



Cancelling (except Follow Me)



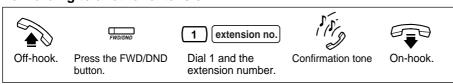
Cancelling Follow Me



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

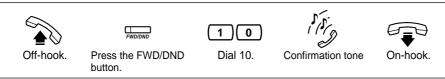
During a meeting or when you are busy, you can refuse an incoming call. You can also forward an incoming outside call to another extension or operator.

Forwarding to another extension

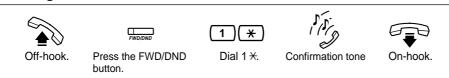




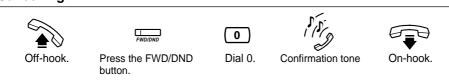
Forwarding to an operator



Refusing all calls



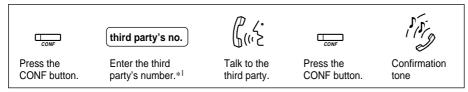
Cancelling



■ Three-party conversation (Conference)

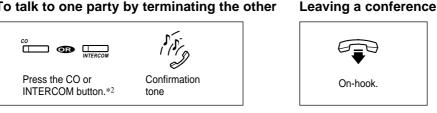
You can add another party during a conversation.

Adding a third party during a conversation



^{*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



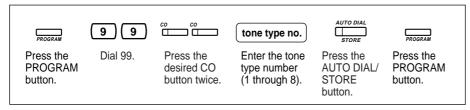
^{*2} This is only available for a combination of one extension and two outside (CO) lines or two extensions and one outside (CO) line.

Useful Features

■ Ringing tone selection for CO buttons

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

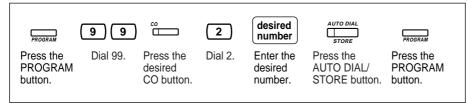
To program



Storing numbers for One-touch 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



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 Dialling Extension | intercom call using name displanted the directory. | Only items which have a name assigned are displayed in alphabetical |
|--------------------------------------|--|---|
| System Speed Dialling System Speed | | order. |
| 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 |

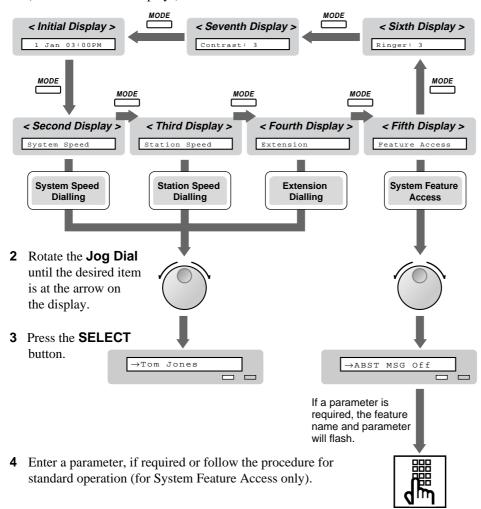
^{*} For more details about the accessible features, refer to your Digital Super Hybrid System manual or consult with your dealer.

How to Use the Display

KX-T7431

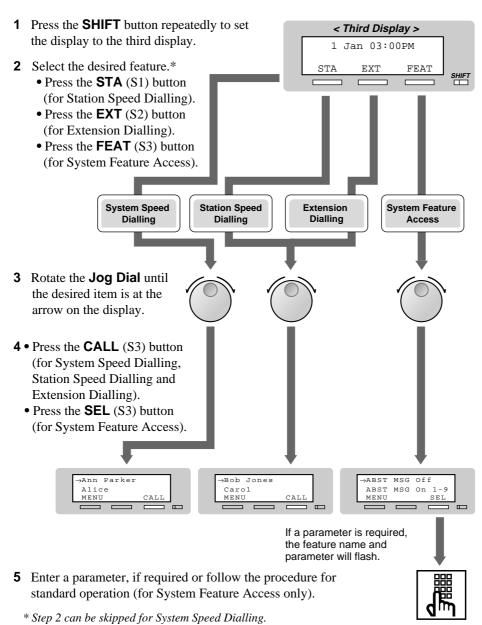
Operating the feature

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



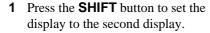
■ KX-T7433

Operating the feature

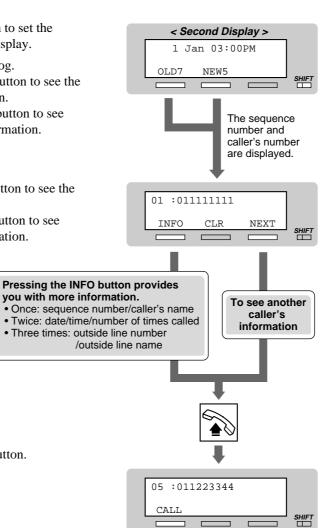


How to Use the Display

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.

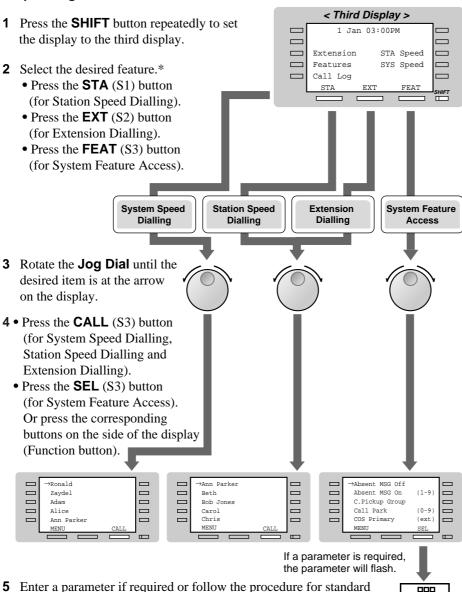


4 Off-hook.

5 Press the **CALL** (S1) button.

■ KX-T7436

Operating the feature

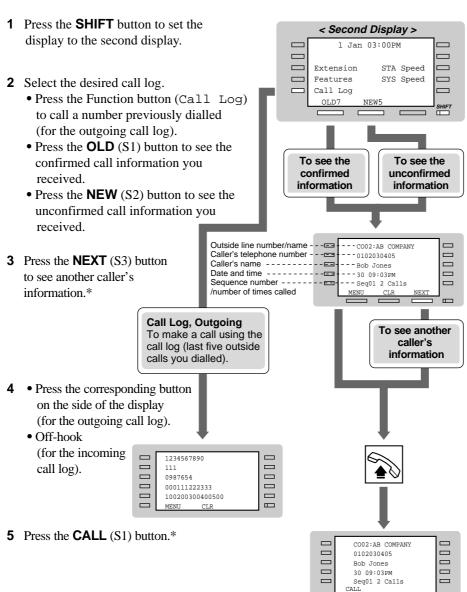


5 Enter a parameter if required or follow the procedure for standard operation (for System Feature Access only).

^{*} Step 2 can be skipped for System Speed Dialling.

How to Use the Display

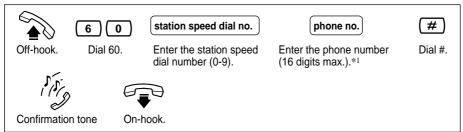
Confirming and calling back using the call log



Storing in Speed Dialling

Storing names and numbers at your extension for personal use

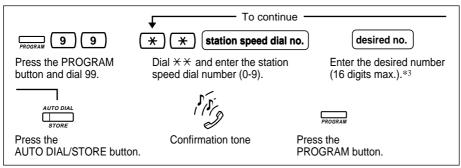
To store a phone number



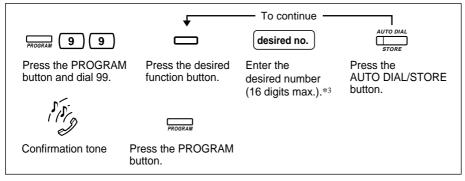
^{*1} " \times " and PAUSE can be also stored as digits.

To store a phone number

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



- For KX-T7436 users



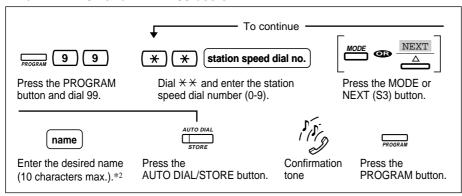
^{*2} This is only available for KX-TD816/1232 users.

^{*3 &}quot;X", "#", RECALL, SECRET (INTERCOM), - (CONF) and PAUSE can be also stored.

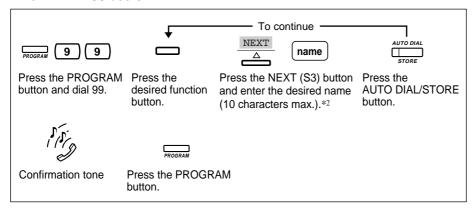
Storing in Speed Dialling

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"

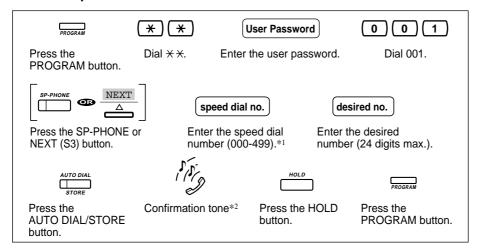
- **1** Press 2, rotate the Jog Dial to enter "M".
- **2** Press 2, rotate the Jog Dial to enter "i".
- **3** Press 2, rotate the Jog Dial to enter "k".
- **4** Press 2, rotate the Jog Dial to enter "e".

Storing names and numbers in the system

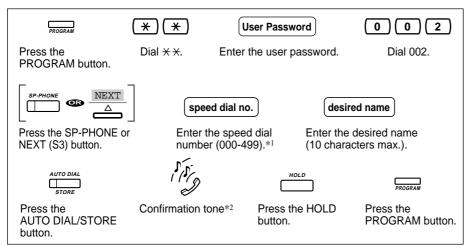
(KX-T7431/KX-T7433/KX-T7436 only)

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



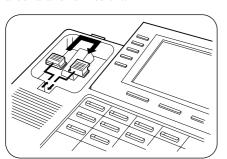
To store a name



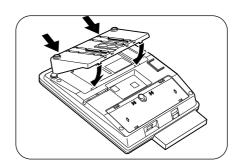
- *1 100 speed dial numbers (00-99) can be stored in the KX-TD208.
- *2 You can continue entering the number/name by pressing the NEXT (S3) or SP-PHONE button after the confirmation tone.

Wall Mounting

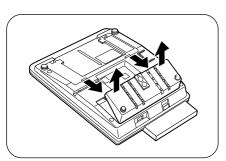
1 Remove the handset hook by pulling it toward the top of the unit. Turn it around and re-insert it.



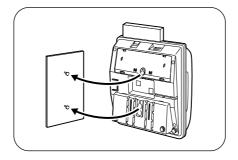
4 Insert the stand in the centre slots.



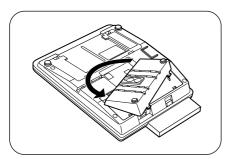
2 Remove the attached stand.



5 Mount the unit on the wall.

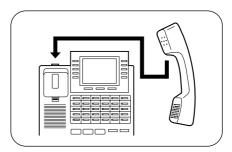


3 Turn it around 180 degrees.



To temporary place the handset down during a conversation.

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

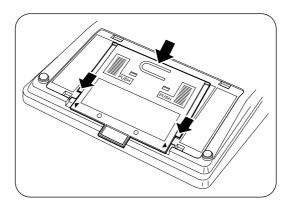


^{*} The illustrations used in this page are a KX-T7436.

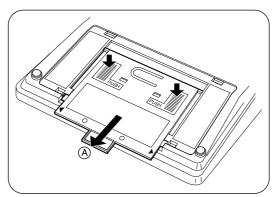
Installing the Card Holder

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.

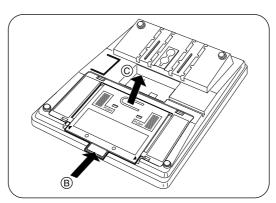


2 While pushing on the areas marked "PUSH", insert the edges of the holder under the slide rails and then slide in the direction of arrow (A).



Remove the card holder:

Push the card holder in the direction of arrow (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 | ↑ 7 5 0 ► message no. ► |
| Account Code Entry | ► 4 9 ► account code + # ► come phone no. |
| Sending a Call Waiting tone (BSS) | While hearing a busy tone 2 ► Wait for an answer. ► (((2)) |
| Forwarding a call | All Calls Extension no. |
| Holding a call | Holding To retrieve a call at the holding extension → □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ |
| Holding a call exclusively | Holding To retrieve a call on exclusive hold → □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ |
| Parking a call in the system | TRANSFER ► 5 2 ► parking zone no. ► □ |
| Picking up a call | ► 4 0 ► (((\(\frac{1}{2}\))) |
| Transferring a call | to an extension co phone no. to an external party Announce. |
| Call Waiting | 7 3 1 1 Set 7 3 1 0 Cancel |
| Three-party conference | third party's no. ► (\(\lambda_{\lambda'} \lambda' \rightarrow \tag{\lambda'}\lambda' \rightarrow \tag{\conf} |
| Paging | All extensions & external speaker All extensions & external speaker For KX-TD816/1232 Announce. |

| Desired Function | Operation |
|---|---|
| Do Not Disturb (DND) | Forwarding to another extension Note |
| Locking your extension | 7 7 lock code lock code Lock 7 7 lock code Unlock |
| Clearing the setting | № 790 • |
| Message Waiting | To leave a notification MESSAGE To cancel a notification To call back MESSAGE MESSAGE To call back MESSAGE MESS |
| Calling an operator | № • • • • • • • • • • • • • • • • • • • |
| Connecting an SLT in parallel | 1 Set |
| Calling a pre-programmed party (Pickup Dialling) | To store To store To set / To cancel To dial To dial |
| Speed dialling (Station) | To set |
| Speed dialling (System) | System speed dial no. ► (1/4) |

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

Caution

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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