



Panasonic[®]

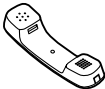
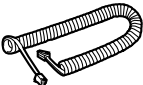
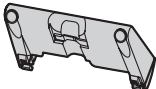


Quick Reference Guide Digital Proprietary Telephone

Model No. **KX-DT321**

Thank you for purchasing a Digital Proprietary Telephone (DPT). Please read this manual carefully before using this product and save this manual for future use.

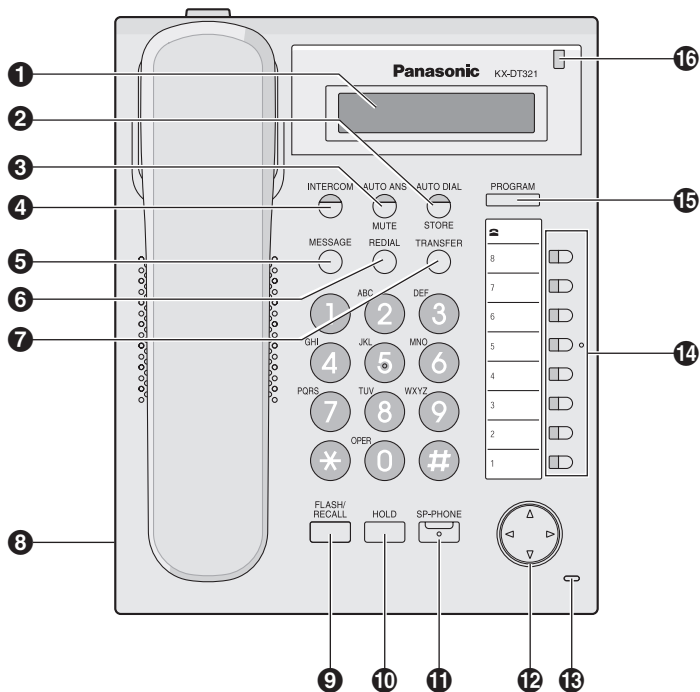
For more details, please refer to the manuals of the PBX.

Accessories (included)*¹

| | | |
|----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| <input type="checkbox"/> Handset: 1  | <input type="checkbox"/> Handset Cord: 1  | <input type="checkbox"/> Stand: 1  |
| <input type="checkbox"/> Screws for wall: 2  | <input type="checkbox"/> Telephone Line Cord: 1  | |


*¹ For extra orders for the accessories, call toll-free: 1-800-332-5368.

Location of Controls




- ① **LCD (Liquid Crystal Display) with Backlight**
- ② **AUTO DIAL/STORE:** Used for System/Personal Speed Dialing or storing program changes.
- ③ **AUTO ANS (Auto Answer)/MUTE:** Used to receive an incoming call in hands-free mode or mute the microphone/handset during a conversation.
- ④ **INTERCOM:** Used to make or receive intercom calls.
- ⑤ **MESSAGE:** Used to leave a message waiting indication or call back the party who left the message waiting indication.
- ⑥ **REDIAL:** Used to redial the last dialed number.
- ⑦ **TRANSFER:** Used to transfer a call to another party.
- ⑧ **Headset Jack**
- ⑨ **FLASH/RECALL:** Used to disconnect the current call and make another call without hanging up.
- ⑩ **HOLD:** Used to place a call on hold.
- ⑪ **SP-PHONE (Speakerphone):** Used for performing hands-free operations.
- ⑫ **Navigator Key:** Used to adjust the volume and the display contrast or select desired items.
- ⑬ **Microphone:** Used for hands-free conversations.
- ⑭ **Flexible Buttons:** Used to seize an CO line or perform a feature that has been assigned to the key.
- ⑮ **PROGRAM:** Used to enter and exit the personal programming mode.
- ⑯ **Message/Ringer Lamp:** When you receive a call, the lamp flashes red. When someone has left you a message, the lamp stays on red.

Settings

| | | |
|--------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Speaker volume | <i>While in a hands-free conversation</i> |  <p>Press Up to increase or Down to decrease the volume.</p> |
| Handset/Headset volume^{*1} | <i>While using the handset or headset</i> | |
| Ringer volume | <i>While on-hook or receiving a call</i> | |

LCD Contrast
While on-hook

PROGRAM → 0 1 → AUTO DIAL STORE →  → AUTO DIAL STORE → PROGRAM

Ring Tone

PROGRAM → $\left(\begin{array}{c} \text{ID} \\ \text{(CO)} \\ \text{OR} \\ \text{INTERCOM} \end{array} \right) \rightarrow \left(\begin{array}{cc} 0 & 1 \\ | & \\ 0 & 8 \end{array} \right)^{*2} \rightarrow \text{AUTO DIAL} \begin{array}{c} \text{STORE} \end{array} \rightarrow \text{PROGRAM} \begin{array}{c} \text{STORE} \end{array}$

Press 2 times.

LCD Backlight
While on-hook

PROGRAM → 0 4 → AUTO DIAL STORE → $\left(\begin{array}{l} 0 \text{ Automatic}^{*3} \\ 1 \text{ Always ON} \\ 2 \text{ Always OFF} \end{array} \right)$

→ AUTO DIAL STORE → PROGRAM

^{*1} If you hear your own voice through the handset or headset, decrease the volume.

^{*2} The ring tone pattern of patterns 09 to 30 is the same as pattern 01.

^{*3} The default setting is Automatic.

Icon Meanings

 = Flexible button



= Off-hook



= On-hook

 = Feature number



= Talk



= Confirmation Tone

Making Calls

Calling

To an extension



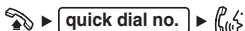
To an outside party



Redial

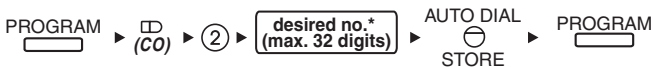


Quick Dialing



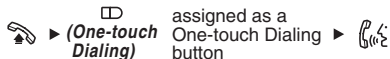
One-touch Dialing

To store



* Enter CO line access number before outside phone number.

To dial



Features List

Personal Speed Dialing

To store



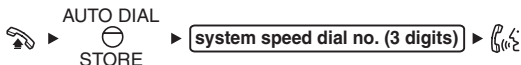
* Enter CO line access number before outside phone number.

To dial



System Speed Dialing

To dial



Doorphone Call



During a Conversation

Call Hold

To hold



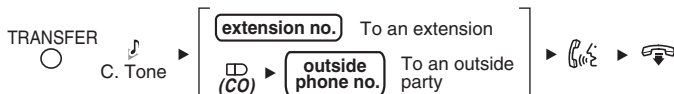
To retrieve a call at the holding extension



To retrieve an outside call from another extension



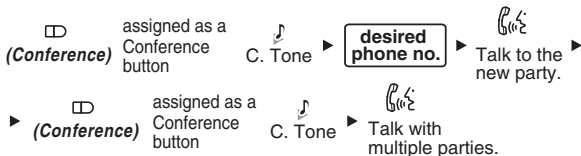
Call Transfer



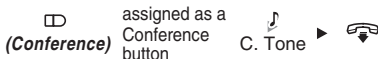
Useful Features

Multiple Party Conversation

To add other parties during a conversation (i.e., conference)

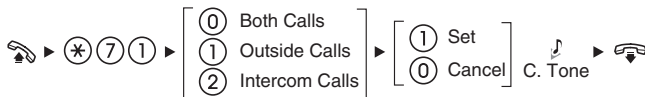


To leave a conference



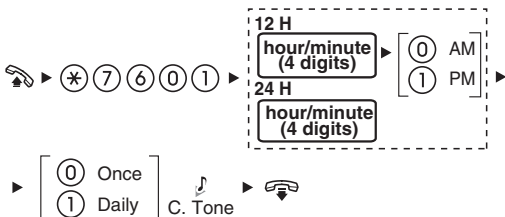
Setting the Telephone According to Your Needs

Do Not Disturb



Timed Reminder

To set



To cancel



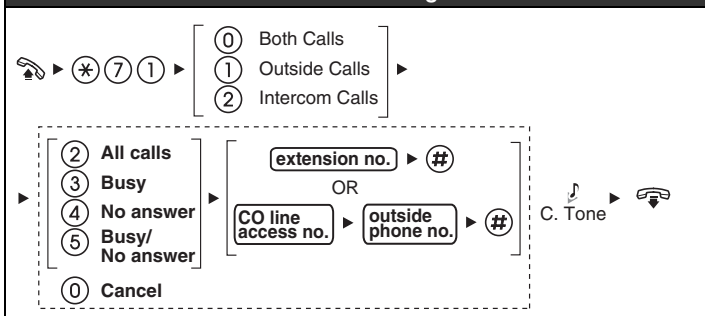
To stop or answer the ring back



Features List

Before Leaving Your Desk

Call Forwarding



Making Use of the Voice Mail Service

Listening to a message

From your own extension

☎ ▶ VPS extension no. ▶

▶ Mailbox Password* #

* If you have no password, you can skip the last step.

Note: VPS = Voice Processing System

From someone else's extension

☎ ▶ VPS extension no. ▶

▶ # 6 ▶ * ▶

▶ mailbox no. ▶

▶ Mailbox Password* #

* If you have no password, you can skip the last step.

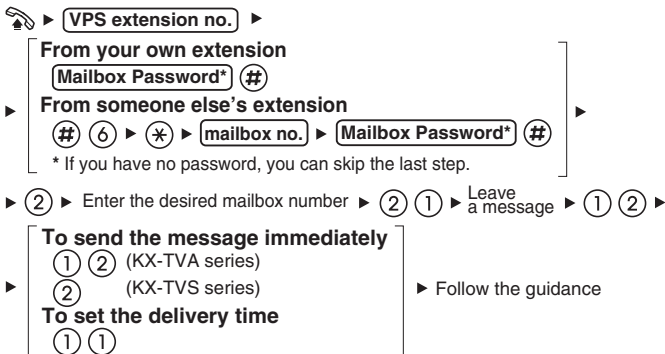
KX-TVA series

- 1 Listen to Message
- 2 Deliver Message
- 3 Mailbox Management
- ▶ 4 Automated Attendant
- 5 Message Notification
- 6 Other Features
- * End Call

KX-TVS series

- 1 Listen to Message
- 2 Deliver Message
- 3 Check Mailbox Distribution
- ▶ 4 Automated Attendant
- 5 Mailbox Management
- 6 Other Features
- * End Call

Leaving a message



During playback

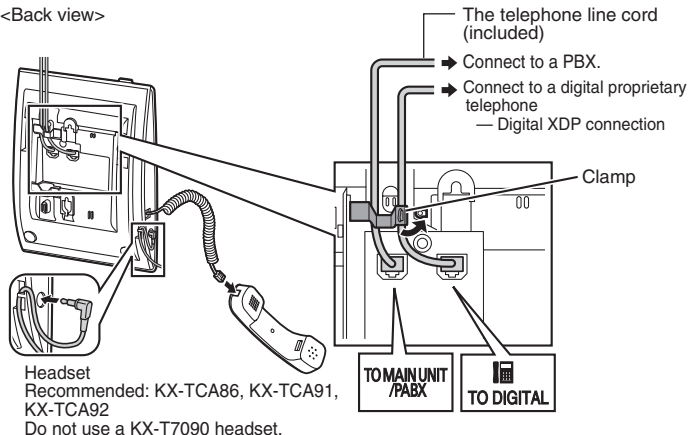
- (0) Repeat Voice Guidance
- (*) Exit

- Consult your dealer for more details regarding feature numbers.
- It is possible to assign flexible buttons as feature buttons.
- Control panel/button names and descriptions can be found in "Location of Controls" on page 2.

Connection

Note: In the illustration below, the telephone line cords are routed for wall mounting. When using the stand, refer to "Attaching the Stand" and "Cabling" on page 11 for telephone line cabling.

<Back view>



- Consult your dealer for more details about Digital XDP.

CAUTION:

When connecting a headset

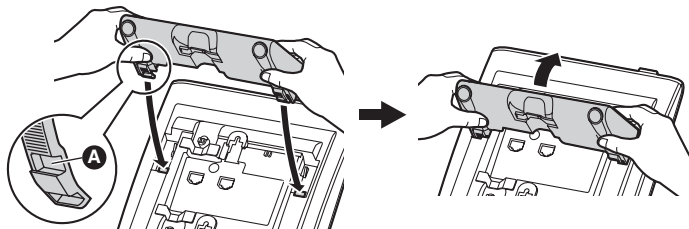
- Ensure that the headset cord is wound around the hook to prevent damage to the connector.

When connecting cords

- Ensure the cords are inserted in the grooves, and are clamped to prevent damage to the connectors.
- When mounting the unit on the wall, cords may be routed upwards or downwards by using the appropriate cord clamp located on the back of the unit.

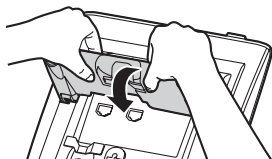
Attaching the Stand

Place the catches (A) of the stand into hooks located in the unit. Gently push the stand in the direction indicated until it locks into place. The stand will be mounted in the high position.



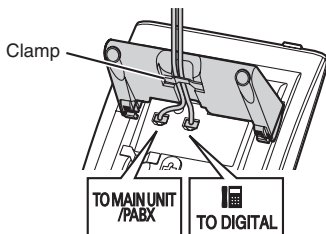
Removing the Stand

Hold the stand with both hands. Gently rotate the stand in the direction indicated until it is released.



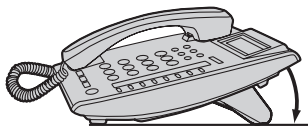
Cabling

When using the stand, ensure that the cords are clamped as shown.

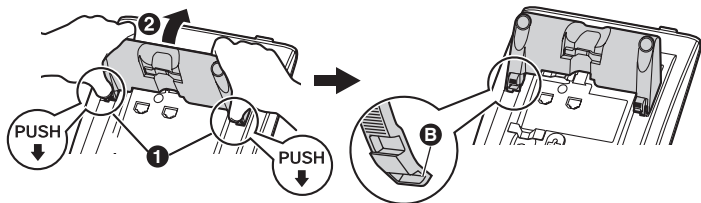


Stand Usage

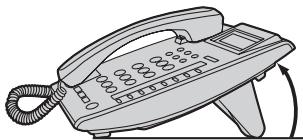
Adjusting from High to Low Position



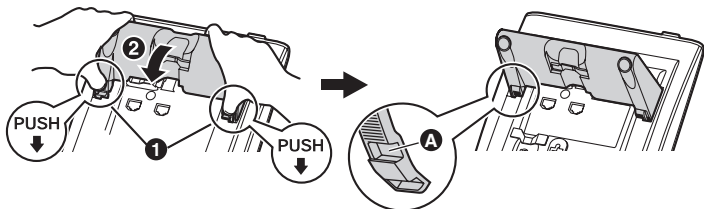
Hold the stand with both hands as shown and rotate the stand in the direction indicated until it locks into the low position (B).



Adjusting from Low to High Position

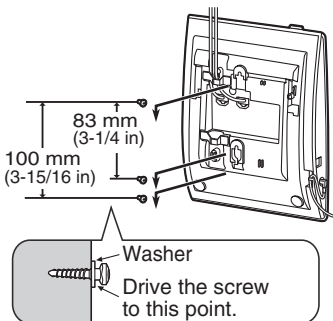


Hold the stand with both hands as shown and rotate the stand in the direction indicated until it locks into the high position (A).



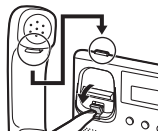
1. Remove the stand if it is attached. For information on removing the stand, refer to page 11.
2. Drive the 2 screws (included) into the wall either 83 mm (3-1/4 in) or 100 mm (3-15/16 in) apart, and mount the unit on the wall.

- You can find a wall mounting template on page 19.
- Make sure that the wall that the unit will be attached to is strong enough to support the unit (approx. 730 g [1.61 lb]).
- Make sure that the telephone line cords are not trapped or pinched against the wall.
- Make sure the cords are securely fastened to the wall.
- When this unit is no longer in use, make sure to detach it from the wall.



Locking the Handset Hook

Pull down the handset hook until it locks to prevent the handset from falling off the handset cradle when the unit is mounted to a wall or set at a high angle. To temporarily place the handset down during a conversation, hook it over the top edge of the unit as shown.



Important Information

When using a KX-DT321 DPT, keep the following conditions in mind.

- If you are having problems making calls, unplug the extension line and connect a known working telephone. If the known working telephone operates properly, have the defective telephone repaired by an authorized Panasonic factory service center. If the known working telephone does not operate properly, check the PBX and the internal extension wiring.
- Wipe the unit with a soft cloth. Do not clean the unit with abrasive powders or with chemical agents such as benzene or thinner.
- Use only the correct Panasonic handset.
- Do not disassemble this unit. Dangerous electrical shock could result. The unit must only be disassembled and repaired by qualified service technicians.
- If damage to the unit exposes any internal parts, immediately disconnect the cable or cord.
- Never attempt to insert wires, pins, etc. into the vents or other holes of this unit.

Take special care to follow the safety suggestions listed below.

Installation

Environment

- 1) Do not use this unit near water, for example, near a bathtub, washbowl or sink. Damp basements should also be avoided.
- 2) Keep the unit away from heating appliances and devices that generate electrical noise, such as fluorescent lamps, motors, and televisions. These noise sources can interfere with the performance of the unit. It also should not be placed in rooms where the temperature is less than 5 °C (41 °F) or greater than 40 °C (104 °F). Allow 10 cm (3-15/16 in) clearance around the unit for proper ventilation.

Placement

- 1) Do not place heavy objects on top of this unit.
- 2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, moisture, mechanical vibration, shock, or direct sunlight.
- 3) Place the unit on a flat surface.

WARNING:

TO PREVENT POSSIBLE FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

THIS HANDSET EARPIECE IS MAGNETIZED AND MAY RETAIN SMALL FERROUS OBJECTS.

THE USE OF EXCESSIVE SOUND VOLUME THROUGH EARPHONES, HEADPHONES, OR HEADSETS MAY CAUSE HEARING LOSS.

DISCONNECT THE TELEPHONE LINE CORD FROM THIS PRODUCT IF THIS PRODUCT EMITS SMOKE, AN ABNORMAL SMELL OR MAKES UNUSUAL NOISE. THESE CONDITIONS CAN CAUSE FIRE OR ELECTRIC SHOCK. CONFIRM THAT SMOKE HAS STOPPED AND CONTACT AN AUTHORIZED SERVICE CENTER.

IMPORTANT NOTICE:

- Under power failure conditions, the DPT may not operate. Please ensure that a separate telephone, not dependent on local power, is available for use in remote sites in case of emergency.

When you ship the product:

Carefully pack and send 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 factory service centers for this product are listed in the service center directory.

Consult your authorized Panasonic dealer for detailed instructions.

Important Information

Important Safety Instructions

When using this unit, basic safety precautions, including those below, should always be followed to reduce the risk of fire, electric shock and injury to persons.

1. Read and understand all instructions.
2. Follow all warnings and instructions marked on this unit.
3. Unplug this unit from the main unit before cleaning. Do not use liquid or aerosol cleaners. Clean with a soft cloth.
4. Do not use the unit near water, for example, near a bathtub, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
5. Place this unit on a flat surface. Serious damage and/or injury may result if the unit falls.
6. The unit should never be placed near or over a radiator or other heat source.
7. Do not allow anything to rest on the extension cord. Do not locate this unit where the cord may be stepped on or tripped on.
8. To reduce the risk of fire or electric shock, do not overload wall outlets and extension cords.
9. Do not insert objects of any kind into this unit through openings, 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 unit.
10. To reduce the risk of electric shock, do not disassemble this unit. Only qualified personnel should service this unit. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock.
11. Unplug this unit from the main unit and have the unit serviced by qualified service personnel in the following cases:
 - A. When the power supply cord or plug is damaged or frayed.
 - B. If liquid has been spilled on the unit.
 - C. If the unit has been exposed to rain or water.
 - D. If the unit does not operate according to this manual. Adjust only the controls that are explained in this manual. Improper adjustment of other controls may result in damage and may require service by a qualified technician to restore the product to normal operation.
 - E. If the unit has been dropped, or damaged.
 - F. If the unit's performance deteriorates.
12. Avoid using a wired telephone during an electrical storm. There is a remote risk of electric shock from lightning.
13. Do not use a telephone in the vicinity of a gas leak to report the leak.

SAVE THESE INSTRUCTIONS

FCC and Other Information

F.C.C. REQUIREMENTS AND RELEVANT INFORMATION

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.

CAUTION:

To assure continued compliance with FCC rules, do not make any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

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.
- 2) Perform such activities in the off peak hours, such as early morning hours or late evenings.

Important Information

Customer Information

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of the cabinet of this equipment is a label that contains, among other information, the following product identifier:

US: ACJKXNANKX-DT321

If requested, this number must be provided to the telephone company.

If trouble is experienced with this equipment KX-DT321, for repair or warranty information, please contact:

Panasonic Service and Technology Company-BTS Center
415 Horizon Drive Bldg. 300 Ste. 350-B
Suwanee, GA 30024-3186

If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Hearing Aid Compatibility:

This telephone provides magnetic coupling for hearing aids.

Compliance with TIA-1083 standard:



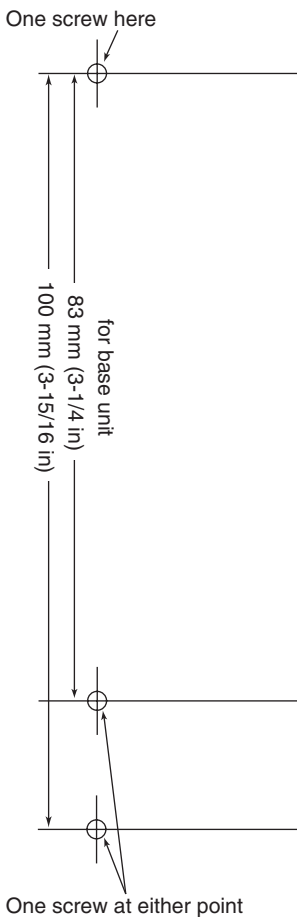
Telephone handsets identified with this logo have reduced noise and interference when used with T-Coil equipped hearing aids and cochlear implants.

WALL MOUNTING TEMPLATE

1. Drive the screws into the wall as indicated.
2. Hook the unit onto the screw heads.

Note:

Make sure to set the print size to correspond with the size of this page. If the dimensions of the paper output still deviate slightly from the measurements indicated here, use the measurements indicated here.





**Panasonic Consumer Electronics Company,
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<http://www.panasonic.com/csd>

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