Digital Proprietary Telephones

Quick Reference Guide

MODELS
KX-DT343
KX-DT346

www.uniquecomm.com
1800-265-9605
Digital Proprietary Telephones
Quick Reference Guide
Model KX-DT343
KX-DT346

Important Information

When using the KX-DT300 series, keep the following conditions in mind.
• If there is any problem, unplug the extension line and connect a known working phone.
  If the known working phone operates properly, have the defective phone repaired by a
  specified Panasonic Factory Service Centre. If the known working phone does not
  operate properly, check the Panasonic Phone System series Business Telephone
  Systems and the internal extension wiring.
• Keep the unit away from heating appliances and electrical noise generating devices such
  as fluorescent lamps, motors and televisions. These noise sources can interfere with the
  performance of the unit.
• This unit should be kept free of dust, moisture, high temperature (more than 40 °C) and
  vibration, and should not be exposed to direct sunlight.
• Do not use benzine, thinner, or similar products, or any abrasive powder to clean the cabinet.
  Wipe it with a soft cloth.
• Do not use any handset other than a Panasonic handset.
• Do not disassemble this product. Dangerous electrical shock could result. The unit must
  only be disassembled and repaired by qualified service technicians.
• When a failure occurs, which exposes any internal parts, disconnect the telephone line
  cord immediately and return this unit to service centre.
• Never attempt to insert wires, pins, etc, into the vents or other holes of this unit.

WARNING:
TO PREVENT THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE
THIS PRODUCT TO RAIN OR MOISTURE.

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

IMPORTANT NOTICE:
• Under power failure conditions, this telephone may not operate. Please ensure that a
  separate telephone, not dependent on local power, is available for use in an emergency.
• This Class B digital apparatus complies with Canadian ICES-003.

Note:
• In this manual, the suffix of each model number is omitted.
• Displays are described in English as samples.
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Before Initial Use

Thank you for purchasing a Panasonic 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.

Note: In this manual, the suffix of each model number is omitted unless necessary.

Accessories (included)

☐ Handset: 1  ☐ Handset Cord: 1  ☐ Wall Mounting Adaptor*1: 1

☐ Screws for wall: 2  ☐ Telephone Line Cord: 1

*1 This telephone comes with the wall mounting adaptor already attached.
To remove the adaptor, refer to step 1 on page 16.
Features for the Digital Proprietary Telephones

This unit supports the following optional devices and features:

<table>
<thead>
<tr>
<th>Features</th>
<th>KX-DT343</th>
<th>KX-DT346</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Display</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-Line</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>6-Line</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Flexible Buttons</strong></td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td><strong>LCD Backlight</strong></td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td><strong>Options</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KX-NT303 Add-on 12 Key Module</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>KX-NT307 (PSLP1528) Bluetooth® Module</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>KX-DT301 USB Module</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>KX-DT390 DSS Console (with 60 keys)</td>
<td>✔</td>
<td>✔</td>
</tr>
</tbody>
</table>

✔ : Available

*1 The availability of the Bluetooth Module depends on the software version of the connected PBX. Consult your dealer for more details.

*2 For information on connecting, refer to the each included manual.

*3 When connecting DPTs via Digital XDP, this optional device cannot be used.

Trademark:
The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under licence.
## Features List

### Icon Meanings

- **=** Flexible button
- **=** Off-hook
- **=** On-hook
- **=** Feature number
- ** =** Talk
- **C. Tone** = Confirmation Tone

### Making Calls

#### Calling

<table>
<thead>
<tr>
<th>To an extension</th>
<th>To an outside party</th>
</tr>
</thead>
<tbody>
<tr>
<td>✚️→ extension no. → ✍️</td>
<td>✚️→ (CO) → outside phone no. → ✍️</td>
</tr>
</tbody>
</table>

#### Redial

| R→ | ✍️ |

#### Quick Dialing

| ✚️→ quick dialing no. → ✍️ |

#### One-touch Dialing

**To store**

- PAUSE  
- ✚️→ (CO)  
- ✅→  
- desired no.* (max. 32 digits)  
- ✚️→ STORE  
- ✚️→ PAUSE

* Enter outside line access number before outside phone number.

**To dial**

- ✚️→ (One-touch Dialing)  
- assigned as a One-touch Dialing button  
- ✍️

#### Personal Speed Dialing

**To store**

- ✚️→ ✪  
- ✅→  
- 3  
- 0  
- personal speed dialing no. (2 digits)  
- ✅→  
- desired phone no.* (max. 32 digits)  
- ✉️→  
- C. Tone  
- ✚️→ ✅

* Enter outside line access number before outside phone number.

**To dial**

- ✚️→ AUTO DIAL  
- ✡️→ ✪  
- ✅→ ✪  
- personal speed dialing no. (2 digits)  
- ✍️
### Features List

<table>
<thead>
<tr>
<th><strong>System Speed Dialling</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>To dial</strong></td>
</tr>
<tr>
<td>AUTO DIAL</td>
</tr>
<tr>
<td>STORE</td>
</tr>
<tr>
<td>system speed dialing no. (3 digits)</td>
</tr>
<tr>
<td>C. Tone</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Doorphone Call</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>phone no. (2 digits)</td>
</tr>
<tr>
<td>C. Tone</td>
</tr>
</tbody>
</table>

### During a Conversation

<table>
<thead>
<tr>
<th><strong>Call Hold</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>To hold</strong></td>
</tr>
<tr>
<td>HOLD</td>
</tr>
<tr>
<td>C. Tone</td>
</tr>
<tr>
<td><strong>To retrieve a call at the holding extension</strong></td>
</tr>
<tr>
<td>(CO) / INTERCOM</td>
</tr>
<tr>
<td>C. Tone</td>
</tr>
</tbody>
</table>

| **To retrieve an outside call from another extension** |
| (CO) |

<table>
<thead>
<tr>
<th><strong>Call Transfer</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>TRANSFER</td>
</tr>
<tr>
<td>extension no.</td>
</tr>
<tr>
<td>(CO) / outside phone no.</td>
</tr>
<tr>
<td>To an extension</td>
</tr>
<tr>
<td>To an outside party</td>
</tr>
</tbody>
</table>

### Useful Features

<table>
<thead>
<tr>
<th><strong>Multiple Party Conversation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>To add other parties during a conversation (i.e., conference)</strong></td>
</tr>
<tr>
<td>CONF</td>
</tr>
<tr>
<td>desired phone no.</td>
</tr>
<tr>
<td>C. Tone</td>
</tr>
<tr>
<td>Talk to the new party.</td>
</tr>
<tr>
<td>CONF</td>
</tr>
<tr>
<td>C. Tone</td>
</tr>
<tr>
<td>Talk with multiple parties.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>To leave a conference</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONF</td>
</tr>
<tr>
<td>C. Tone</td>
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<td></td>
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</tbody>
</table>
Using the Display Proprietary Telephone

◆ Using the Call Log or Directories

You can make a call with the call log or directories as follows:
- Outgoing Call Log
- Incoming Call Log
- Extension Number Directory
- System Speed Dialling Directory
- Personal Speed Dialling Directory

◆ Calling with a call log or directory

While on-hook

Press Left or Right until desired log/directory appears. 
Press ENTER. 
Press Up or Down until desired item appears. 
Off-hook.

• To cancel or exit, press CANCEL or EXIT.

◆ Clearing the log information

While confirming the log information

Press Up or Down until desired item appears. 
Press “CLEAR”.

◆ Storing the caller’s information for the Personal Speed Dialing Directory

While confirming the log information

Press Up or Down until desired item appears. 
Press STORE or ENTER. 
Enter name* (max. 20 characters). 
Press STORE or ENTER. 
Press “EXIT” or PAUSE.

* To enter characters, refer to “Entering Characters”.

STORE
Using the Display Proprietary Telephone

◆ Storing names and numbers for the Personal Speed Dialing Directory

While on-hook

- phone no. 
- name

Enter phone number (max. 32 digits).

Press STORE or ENTER.

Enter name (max. 20 characters).

Press STORE or ENTER.

Press “EXIT” or PAUSE.

* To enter characters, refer to “Entering Characters”.

◆ Accessing the System Features

You can access these features with the “Feature Access” menu:
- Automatic Callback
- Group Call Pickup
- Directed Call Pickup
- Doorphone Call
- Door Open
- External Background Music
- Paging

While on-hook

- Press Right four times.
- Press ENTER.
- Press Up or Down until desired feature appears.
- Press ENTER.

Input a parameter.

• For further information, refer to the Business Telephone System User Manual.
### Accessing Features Using the Display

#### Table 1 (Standard mode)

<table>
<thead>
<tr>
<th>Buttons</th>
<th>1</th>
<th>2</th>
<th>3</th>
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<th>5</th>
<th>6</th>
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</table>

#### Table 2 (Option mode)

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<th>Buttons</th>
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</tbody>
</table>
## Settings on the Programming Mode

### Setting Features

You can customize many features of your telephone as shown in the following tables. Original settings are shown in the grey boxes. For later reference, place a check mark in the boxes below to indicate your customized settings.

To enter the programming mode

Press “PROG” or PROGRAM.

Follow Programming Input.

To programme

Press ENTER or STORE.

Follow Selection & Parameter.

Press ENTER or STORE.

To exit

Press “EXIT” or PROGRAM.

<table>
<thead>
<tr>
<th>Item</th>
<th>Programming Input</th>
<th>Selection &amp; Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Would you like to turn on the display backlight of the KX-DT343/KX-DT346? (Display Backlight Selection)</td>
<td>0 4 [Backlight]</td>
<td>0 □ Yes–ON in use [Automatic]</td>
</tr>
<tr>
<td>How do you prefer to receive an intercom call? (Alternate Receiving–Ring/Voice)</td>
<td>2 1 [Voice Call]</td>
<td>0 □ Ringing [Tone Call]</td>
</tr>
<tr>
<td>Do you prefer to receive call waiting for outside calls?</td>
<td>3 0 [C.Wait Extnl]</td>
<td>0 □ No (No Tone) [CW Tone Off]</td>
</tr>
<tr>
<td>Which type of call waiting for intercom calls do you prefer? (Call Waiting Selection)</td>
<td>3 1 [C.Wait Intrnl]</td>
<td>0 □ No call [CW Tone Off]</td>
</tr>
<tr>
<td>Which type of call waiting tone do you prefer? (Call Waiting Tone Type Selection)</td>
<td>3 2 [C.Wait Tone]</td>
<td>0 □ Tone 1 [CW Tone 1]</td>
</tr>
</tbody>
</table>

For further information on “Settings on the Programming Mode”, refer to the manual provided with your telephone. If nothing is entered for one minute in the programming mode, the telephone returns to normal status.

**WARNING**

- For the security of your personal information, do not select “Yes–always ON” or “Yes–always OFF” for call waiting selection.
- To set an extension PIN, you can make 1-10 digits. For further information on setting extension PIN, refer to the manual provided with your telephone.
- To change a stored extension PIN, refer to the manual provided with your telephone.
- To unlock your telephone, refer to the manual provided with your telephone.
- To set an extension PIN, refer to the manual provided with your telephone.
- To change a stored extension PIN, refer to the manual provided with your telephone.
- To unlock your telephone, refer to the manual provided with your telephone.
- To set an extension PIN, refer to the manual provided with your telephone.
- To change a stored extension PIN, refer to the manual provided with your telephone.
- To unlock your telephone, refer to the manual provided with your telephone.
- To set an extension PIN, refer to the manual provided with your telephone.
- To change a stored extension PIN, refer to the manual provided with your telephone.
- To unlock your telephone, refer to the manual provided with your telephone.
- To set an extension PIN, refer to the manual provided with your telephone.
- To change a stored extension PIN, refer to the manual provided with your telephone.
- To unlock your telephone, refer to the manual provided with your telephone.
## Settings on the Programming Mode

### Programming Input

<table>
<thead>
<tr>
<th>Item</th>
<th>Programming Input</th>
<th>Selection &amp; Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Would you like to show a message on the caller's telephone display? (Absent Message)</td>
<td>4 0&lt;br&gt;[Absent Msg]</td>
<td>□ No-Off [Absent Msg Off]&lt;br&gt;□ Yes–Shows the selected message.&lt;br&gt;□ Yes–Shows your personal message.</td>
</tr>
<tr>
<td>Where are your incoming calls forwarded or refused? (Call Forwarding [FWD]/Do Not Disturb [DND])</td>
<td>5 0&lt;br&gt;[for both calls] [Fwd/DND Both]&lt;br&gt;5 1&lt;br&gt;[for outside calls] [Fwd/DND Extnl]&lt;br&gt;5 2&lt;br&gt;[for intercom calls] [Fwd/DND Intnl]</td>
<td>□ Off [Fwd/DND Off]&lt;br&gt;□ Do Not Disturb (DND) [Do Not Disturb]&lt;br&gt;□ All–Forward all calls [Fwd All:]&lt;br&gt;□ Busy–Forwarded when your extension is busy. [Fwd Busy:]&lt;br&gt;□ No Answer–Forwarded when you do not answer. [Fwd N/A:]&lt;br&gt;□ Busy/No Answer–Forwarded when you do not answer or when your extension is busy. [Fwd B/NA:]</td>
</tr>
<tr>
<td>Do you use the headset? (Headset Operation)</td>
<td>6 1&lt;br&gt;[Headset Mode]</td>
<td>□ No–Headset off [Headset Mode Off]&lt;br&gt;□ Yes–Headset on [Headset Mode On]</td>
</tr>
<tr>
<td>Would you like to set your extension PIN or change a stored extension PIN to new one? (Extension PIN [Personal Identification Number])</td>
<td>9 0&lt;br&gt;[Extension PIN]</td>
<td>extension PIN (max. 10 digits) + ENTER/STORE + same PIN&lt;br&gt;stored extension PIN + new PIN (max. 10 digits) + ENTER/STORE + same PIN&lt;br&gt;To set an extension PIN&lt;br&gt;To change a stored extension PIN to new one&lt;br&gt;WARNING&lt;br&gt;When a third party discovers the password (extension PIN) of the Business Telephone System, there will be a risk that they will make fraudulent phone calls using the telephone line, and the cost will be charged to your own account. In order to avoid this problem, we strongly recommend the following points:&lt;br&gt;a) Carefully maintain the secrecy of the PIN.&lt;br&gt;b) Specify a complicated PIN as long and random as you can make it.&lt;br&gt;c) Change the PIN frequently.</td>
</tr>
<tr>
<td>Would you like to prevent others from seeing your personal directory and call log? (Directory and Call Log Lock)</td>
<td>9 2&lt;br&gt;[Display Lock]</td>
<td>extension PIN (max. 10 digits) + 0&lt;br&gt;extension PIN (max. 10 digits) + 1&lt;br&gt;□ To unlock [Display Lock Off]&lt;br&gt;□ To lock [Display Lock On]</td>
</tr>
</tbody>
</table>

- If nothing is entered for one minute in the programming mode, the telephone returns to normal status.
- To exit the mode at any time, lift the handset.
- For further information on “Settings on the Programming Mode”, refer to the Business Telephone System User Manual.
**Location of Controls**

1. **LCD (Liquid Crystal Display)**
   - **PAUSE**: Used to insert a pause when storing a telephone number. This button is also used for programming this unit.

2. **FWD/DND (Call Forwarding/Do Not Disturb)**: Used to set Call Forwarding or Do Not Disturb on your extension.

3. **CONF (Conference)**: Used to establish a multiple party conversation.

4. **INTERCOM**: Used to make or receive intercom calls.

5. **AUTO ANS (Auto Answer)/MUTE**: Used to receive an incoming call in hands-free mode or mute the microphone/handset during a conversation.

6. **AUTO DIAL/STORE**: Used for System/Personal Speed Dialing or storing programme changes.
Location of Controls

6 TRANSFER: Used to transfer a call to another party.

9 REDIAL: Used to redial the last dialed number.

10 MESSAGE: Used to leave a message waiting indication or call back the party who left the message waiting indication.

11 Headset Jack

12 FLASH/RECALL: Used to disconnect the current call and make another call without hanging up.

13 HOLD: Used to place a call on hold.

14 SP-PHONE (Speakerphone): Used for performing hands-free operations.

15 ENTER: Used to assign the selected item.

16 Microphone: Used for hands-free conversations.

17 Navigator Key: Used to adjust the volume and the display contrast or select desired items.

18 CANCEL: Used to cancel the selected item.

19 Flexible Buttons: Used to seize an outside line or perform a feature that has been assigned to the key.

20 LCD Panel: Can be adjusted to the desired angle.

21 Soft Buttons (S1-S4): S1-S4 (located from left to right) are used to select the item displayed on the bottom line of the display.

22 Message/Ringer Lamp: When you receive an intercom call, the lamp flashes green, and for an outside call, the lamp flashes red. When someone has left you a message, the lamp stays red.
# Settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Description</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speaker volume</td>
<td>While in a hands-free conversation</td>
<td></td>
</tr>
<tr>
<td>Handset/Headset volume*1</td>
<td>While using the handset or headset</td>
<td>Press up to increase or down to decrease the volume.</td>
</tr>
<tr>
<td>Ringer volume</td>
<td>While on-hook or receiving a call</td>
<td></td>
</tr>
<tr>
<td>LCD Contrast</td>
<td>While on-hook</td>
<td></td>
</tr>
<tr>
<td>Ring Tone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LCD Backlight</td>
<td>While on-hook</td>
<td></td>
</tr>
</tbody>
</table>

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

<Back view>

- Connect to:
  - a digital proprietary telephone — Digital XDP connection
  - a single line telephone — XDP or parallel connection

The telephone line cord (included)

- Connect to a PBX.

Headset
Recommended:
RP-TCA86, RP-TCA91, RP-TCA92

- Consult your dealer for more details about XDP and 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.
Wall Mounting

1. Remove the wall mounting adaptor from the unit as shown.

2. Set the operation board to level 1, then connect and secure the telephone line cords.
   - The cords can also be run from the top of the unit.

3. Attach the wall mounting adaptor as shown.
   - Make sure the cords are not pinched by the wall mounting adaptor. When running the cords from the top of the unit, look through the opening in the wall mounting adaptor (1) to confirm that the cords are not being pinched.

4. Drive the 2 screws (included) into the wall either 83 mm or 100 mm apart, and mount the unit on the wall.
   - Make sure that the wall that the unit will be attached to is strong enough to support the unit (approx. 1.65 kg [3.64 lb]).
   - 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.
Wall Mounting

1. Remove the wall mounting adaptor from the unit as shown.
2. Set the operation board to level 1, then connect and secure the telephone line cords.
   - The cords can also be run from the top of the unit.
3. Attach the wall mounting adaptor as shown.
   - Make sure the cords are not pinched by the wall mounting adaptor. When running the cords from the top of the unit, look through the opening in the wall mounting adaptor ( ) to confirm that the cords are not being pinched.
4. Drive the 2 screws (included) into the wall either 83 mm or 100 mm apart, and mount the unit on the wall.
   - Make sure that the wall that the unit will be attached to is strong enough to support the unit (approx. 1.65 kg [3.64 lb]).
   - 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.

Installing KX-DT301/KX-NT303

CAUTION:
- To prevent damage to the telephone, be sure to unplug the extension line before you set up or remove the KX-DT301 (USB Module) or the KX-NT303 (Add-on 12 Key Module).
- Connect the KX-NT303 first when installing both the KX-DT301 and the KX-NT303.

KX-NT303
The Add-on 12 Key Module allows 12 additional flexible buttons to be added to this unit. These buttons are used to seize an outside line, make a call using One-touch Dialling, or perform a feature that has been assigned to the key.

1. Open the cover.
2. Attach the KX-NT303 to your unit with the screws (included with KX-NT303).
3. Plug the flat cable into the connector ( ), then bend the cable slightly as shown ( ).
4. Close the cover.

<with a KX-DT346>

CAUTION:
- To prevent damage to the telephone, be sure to unplug the extension line before you set up or remove the KX-DT301 (USB Module) or the KX-NT303 (Add-on 12 Key Module).
- Connect the KX-NT303 first when installing both the KX-DT301 and the KX-NT303.

KX-NT303
The Add-on 12 Key Module allows 12 additional flexible buttons to be added to this unit. These buttons are used to seize an outside line, make a call using One-touch Dialling, or perform a feature that has been assigned to the key. <with a KX-DT346>
Installing KX-DT301/KX-NT303

KX-DT301
The USB Module can be connected between the DPT and the personal computer through USB interface to implement personal CTI (Computer Telephony Integration).

1. Open the cover.
2. Plug the flat cable into the connector as shown.
3. Close the cover.
4. Connect the USB cable to the USB port.

- Ensure that the USB cable goes through the cable guide.
- Please use a USB cable shorter than 3 m.
Installing KX-DT301/KX-NT303

5. Insert the protrusions on the KX-DT301 into the 2 holes in the unit.

6. Attach the KX-DT301 to your unit with the screws (included with KX-DT301).

7. Install the USB driver. Refer to Installation Manual on the CD-ROM included with KX-DT301.