CA22CD-SC/CA22CD-DC
Push-to-Talk headset adapter

User Guide
Contents

DECT Information  
 DECT Enhanced Security  3

Overview 4
 Remote overview  4
 Base overview  5

Spares and Accessories  6
 Spares and replacements  6
 Accessories  6
 Compatibility of remotes and bases  7

Connect your system  8
 Analog  8
 USB (USB variant only)  8
 Remote  9

Adjust the volume controls  10
 USB connection  10
 Analog connection  10

Subscribe  12

Charge  13
 Charge your remote  13
 Manage batteries  13

System basics  14
 Power remote  14
 Key up radio  14
 Adjust headset microphone volume (softphone)  14
 Stay within range of your base  14

Troubleshooting  15

Support  16
DECT Information

DECT products should never be used outside the region in which they were originally purchased and intended to be used.

The enclosed DECT 6.0 wireless product uses restricted wireless radio frequencies which vary by country. DECT 6.0 devices are generally authorized for use in the US/Canada/Mexico. Use of this DECT 6.0 product in unauthorized countries is a violation of law, may disrupt telecommunications networks and devices, and can subject you to fines and penalties by regulatory agencies.

DECT Enhanced Security

Poly is a member of the DECT Forum and has fully adopted their recommendations for enhancements to security within all DECT products.

Poly DECT-based products now fully incorporate the latest recommendations on Enhanced Security from the DECT Forum and ETSI. These improvements cover registration, authentication, authorization and encryption procedures. Poly DECT products are now secure against known vulnerabilities that were highlighted by the public announcements of the Chaos Communication Congress in 2009.

Poly DECT products meet the requirements for the DECT Forum security certifications.

Poly DECT products use the new enhanced version of DECT that includes these security improvements.
## Overview

### Remote overview

<table>
<thead>
<tr>
<th></th>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Audio Link LED button</td>
<td>Turns the audio link between remote and base on and off.</td>
</tr>
<tr>
<td>2</td>
<td>Push-to-Talk (PTT) button</td>
<td>Keys up the communications radio.</td>
</tr>
</tbody>
</table>
| 3 | Rocker switch                   | 1. Adjusts listen sensitivity in 2-dB steps.  
2. Places the remote into Subscription Mode when pressed and held in either the Up or Down position. |
| 4 | Quick Disconnect (QD)           | Connects to headset.  
**NOTE Single Channel QD shown. Connection may vary but function is the same.**                                                       |
| 5 | Battery pack                    | Powers remote.                                                                                                                              |
| 6 | Momentary/Locking PTT selector  | Enables or disables locking operation of the PTT button.                                                                                     |
| 7 | Spare battery pack              | Swap batteries regularly to maximize battery life.                                                                                          |

### Be safe

Please read the safety guide for important safety, charging, battery and regulatory information before using your new device.
1 Spare battery charging well
2 Spare battery charge LED
3 Base power LED
4 Talk volume buttons
5 Push-to-Talk (PTT) LED
6 Remote charge LED
7 Remote charging well

8 USB port
9 Console interface jack
10 Subscription button
11 AC power jack
12 Talk coarse-adjust switch
13 Listen coarse-adjust switch
Spares and Accessories

Spares and replacements

1 AC power adapter: 217111-01
2 Console Interface cable: 217102-02
   6-wire, modular-to-PJ7 cable assembly
3 Remote
   • Single Channel - North America: 218400-01 UPCS (DECT 6.0)
   • Single Channel - Countries outside of North America: 218400-02 (DECT)
   • Dual Channel - North America: 218400-03 UPCS (DECT 6.0)
   • Dual Channel - Countries outside of North America: 218400-04 (DECT)
4 Battery pack: 218401-01

Accessories

Micro USB cable Connects base to console.
Use the following table to identify your system's model and determine compatibility based on region and generation. Table includes both CA12CD and CA22CD models.

**IMPORTANT** *Remotes are only compatible with bases of the same generation.*

<table>
<thead>
<tr>
<th>Remote: Color of PTT selector</th>
<th>Remote: Number of contacts on battery pack*</th>
<th>Base: Color of talk volume buttons</th>
<th>Base: Logo</th>
<th>Model &amp; Product generation</th>
<th>Primary region/DECT Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>2</td>
<td>Black</td>
<td>Plantronics 1st gen</td>
<td>North America (DECT 6.0)</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>2</td>
<td>Black (check label on bottom of base to verify model)</td>
<td>Plantronics 1st gen</td>
<td>Europe (DECT)</td>
<td></td>
</tr>
<tr>
<td>Grey</td>
<td>2</td>
<td>Grey</td>
<td>Plantronics 2nd gen</td>
<td>North America (DECT 6.0)</td>
<td></td>
</tr>
<tr>
<td>Purple</td>
<td>2</td>
<td>Purple</td>
<td>Plantronics 2nd gen</td>
<td>Europe (DECT)</td>
<td></td>
</tr>
<tr>
<td>Grey</td>
<td>4</td>
<td>Grey</td>
<td>Poly</td>
<td>North America (DECT 6.0)</td>
<td></td>
</tr>
<tr>
<td>Purple</td>
<td>4</td>
<td>Purple</td>
<td>Poly</td>
<td>Europe (DECT)</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE** *Battery packs with 2 contacts are only compatible with CA12CD models. Battery packs with 4 contacts are only compatible with CA22CD models.*
Connect your system

Using the diagrams below, choose the appropriate connection for your system.

**IMPORTANT** Only 1 connection can be active and plugged into the base at a time. If you choose to switch connection type, unplug and re-insert the power cable to establish a new connection.

**Analog**
Connect your system with the console interface cable.

**USB (USB variant only)**
Connect your system with the USB cable.

**NOTE** *Base configuration settings*

<table>
<thead>
<tr>
<th>Talk output</th>
<th>Talk Setting (on bottom of base)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic</td>
<td>1</td>
</tr>
<tr>
<td>Electret</td>
<td>2, 3</td>
</tr>
<tr>
<td>Carbon</td>
<td>4 (default; correct in most cases)</td>
</tr>
</tbody>
</table>
Remote Install battery and connect to headset.

NOTE Single Channel QD shown. Connection may vary but function is the same.
Adjust the volume controls

Volume configuration differs by connection.

**USB connection**

**Adjust Listen volume**
Toggle Rocker switch on remote to fine-tune your listen volume.

**IMPORTANT** Base volume controls are not configurable or operable for USB connection. Configure additional volume settings with your software interface.

**Analog connection**

**Default volume settings**
Position 4 is the default setting for Talk ⬨ and Listen ⬯ switches on bottom of base and correct for most applications.

**IMPORTANT** Talk ⬨ switch position corresponds to your console’s microphone input for (1) dynamic-, (2 & 3) electret-, or (4) carbon-mic applications.

If necessary, adjust the talk and listen volume as described below.

**Adjust Talk volume**
1. Adjust the Talk ⬨ switch until your caller hears you clearly.
2. If fine-tune adjustment is necessary, press the Talk volume + or - buttons on top of base.

**Adjust Listen volume**
1. Toggle Rocker switch on remote to fine-tune your listen volume.

2. If larger level adjustments are necessary, adjust the Listen ⬯ switch until you hear the caller clearly.
Prevent echoes
Excessively high audio levels can result in distortion and echo. Adjust your equipment’s volume controls as described below.

- Turn off or completely decrease your equipment’s sidetone control (if available).
- If necessary, set the console receiver and microphone volumes to mid-range.
The remote and base are subscribed (connected) to each other when shipped from the factory. However, if you need to re-subscribe your system or have replaced your base or remote, you can subscribe them as follows:

1. Your first step differs when subscribing a new remote versus a new base. Choose A or B:
   
   A If subscribing a new remote, turn off the original remote’s Audio Link LED and remove its battery.
   
   B If subscribing to a new base, turn off the remote’s Audio Link LED and do not remove the battery.

2. Press and hold the Subscription button on the back of the base. The base Power LED flashes green.

3. Hold the remote’s Rocker switch in either the up or down position for 3 seconds, then release. The remote’s Audio Link LED turns solid green.

4. Subscription is successful when the base Power LED turns solid green and the remote’s Audio Link LED turns off. If the Audio Link LED remains off, press it to bring up an audio link.
**Charge**

**Charge your remote**
For first use, charge the remote and spare battery for a minimum of 1 hour. Place the remote and spare battery in the base.

The base charge LEDs flash orange when charging and turn solid green when fully charged. Allow 4 hours for full charge.

**Manage batteries**

**Swap batteries regularly**
A fully-charged battery powers your remote for up to 10 hours, however, we recommend swapping batteries approximately every 4 hours.

**IMPORTANT** Swapping batteries every 4 hours maximizes the battery life and ensures communications are not interrupted by low batteries.

**Charge remote and spare battery when not in use**
Place the remote and spare battery in their charging wells between battery swaps or when not in use.

**Low battery warning**
Recharge your battery if you hear a single beep every 10 seconds.

**Remove battery for storage**
Remove battery from remote when storing to prevent the battery from depleting.

**Replace batteries**
Monitor the performance of your batteries for gradually decreasing talk times and replace as needed.

**NOTE** Rechargeable batteries of all types gradually age and lose their ability to give and receive charge. Replace your rechargeable batteries after 3 years or 300 charge cycles, whichever comes first.

**CAUTION** Touching the battery-charging contacts or placing objects other than the batteries and remote in the charging wells may adversely affect the operation of the device.
System basics

Power remote

Power your remote with a charged battery pack.

1. Slide battery pack onto the remote and snap into place without force.

2. Remote's Audio Link LED flashes when ready for use.

Key up radio

Press the Push-to-Talk (PTT) button on the remote to key up your radio. The Talk LED on the base turns green.

Locking operation

1. Align the selector vertically to the remote's center-line.

2. Depress the PTT button and slide it down toward the selector until the button locks into place in the ON position.

Momentary operation

Turn the selector horizontally from the locking position. The PTT button will default to the OFF position when released.

Adjust headset microphone volume (softphone)

Place a test softphone call and adjust softphone volume and PC sound volume accordingly.

Stay within range of your base

A triple beep warns you if your remote is out of range and has lost its audio link with the base.
## Troubleshooting

<table>
<thead>
<tr>
<th>Issue</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>I hear a triple beep.</td>
<td>Your remote has lost its audio link with the base. Usually, this is due to being too far away from the base. (Note: A triple beep while using the Talk or Listen fine adjust controls indicates that the level is at its nominal setting.)</td>
</tr>
<tr>
<td>I hear a single beep every 10 seconds.</td>
<td>Your battery is low and should be changed or charged.</td>
</tr>
<tr>
<td>Charge LED is flashing 6 times per second.</td>
<td>There could be an object such as a coin or a paperclip in the charging well.</td>
</tr>
<tr>
<td>The base volume controls don't work.</td>
<td>The base is operating in a USB-connected configuration. Base volume controls are not configurable or operable for USB connection. Use the remote's Rocker switch to fine adjust listen volume and your software interface for other volume settings.</td>
</tr>
<tr>
<td>Charged batteries are not lasting as long as expected.</td>
<td>Your batteries may need to be replaced. Rechargeable batteries of all types gradually age and lose their ability to give and receive charge.</td>
</tr>
<tr>
<td>The base Power LED does not flash green when performing step 2 of the subscription process.</td>
<td>Your base may have an active link with your previous remote. Ensure the previous remote's Audio Link LED is off and its battery is removed.</td>
</tr>
</tbody>
</table>