

CA10CD



Quick Start User Guide



WELCOME

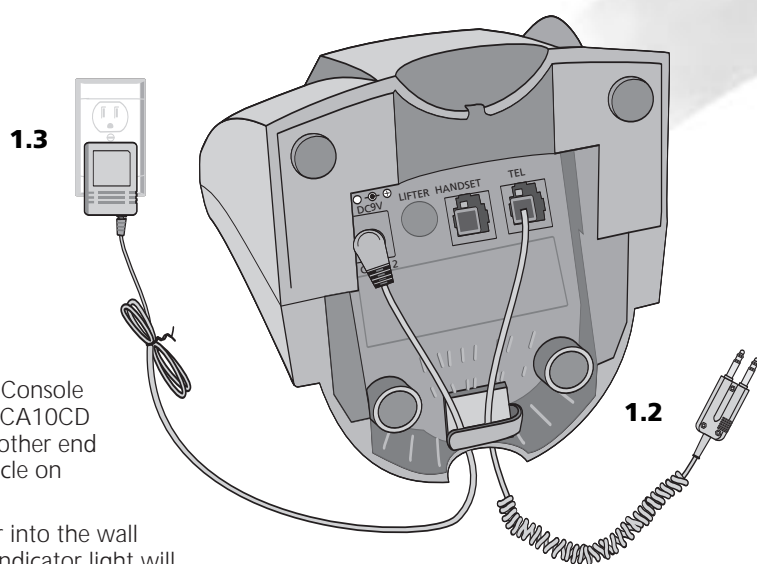
Thank you for selecting the CA10CD Push-to-Talk Headset Amplifier from Plantronics. This User Guide will help you install your CA10CD Amplifier and learn its basic operation. The operation of your chosen H top headset is described in a separate guide.

1 Set-up

1.1 Set up the CA10CD Amplifier as shown.

1.2 Plug one end of the Console Interface Cable into the CA10CD Telephone Jack and the other end into the headset receptacle on your console.

1.3 Plug the AC Adapter into the wall outlet. The Base Power indicator light will illuminate.



4 Operation

Operation

4.1 Connect the Quick Disconnect to the H-Top Headset of your choice. Put on your headset.

4.2 Press the Power Button on either the Remote or the Base. The green Remote Power Indicators on the Remote and Base will illuminate.

4.3 Depress and hold the Talk Button on the Remote Unit to generate the "Key" signal to your console or radio. While the Talk Button is depressed, the Talk Indicator Light will illuminate. Releasing the Talk Button will remove the "Key" signal to your console or radio and extinguish the Talk Indicator.

4.4 Adjust the volume from your headset by using the Listen Volume Control.

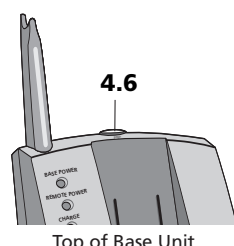
The CA10CD is compatible with most systems on the market. The user must initially set the Transmit Level Switch and the Configuration Switch to the optimum settings. These switches determine how the adapter interacts with a particular system.

4.5 The CA10CD Transmit Level Switch provides three levels: "1" (high or carbon), "2" (medium or electret), and "3" (low or dynamic). The standard setting is "1".

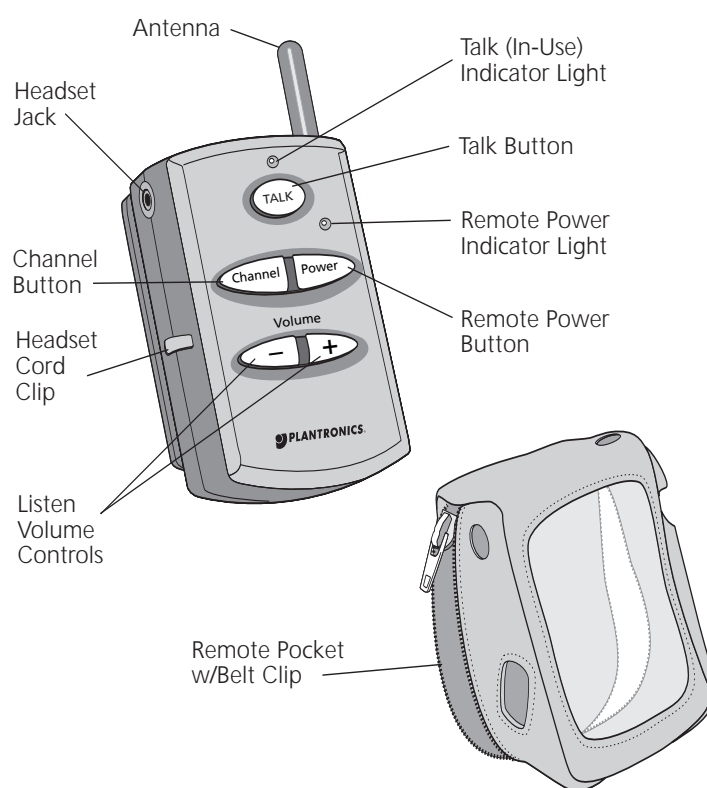
Adjusting the transmit output level by moving the Transmit Level Switch to position 1, results in more output.

Moving the Transmit Level Switch to position 2 or 3 reduces your output. You can further fine tune the transmit level with the Talk Volume Control buttons.

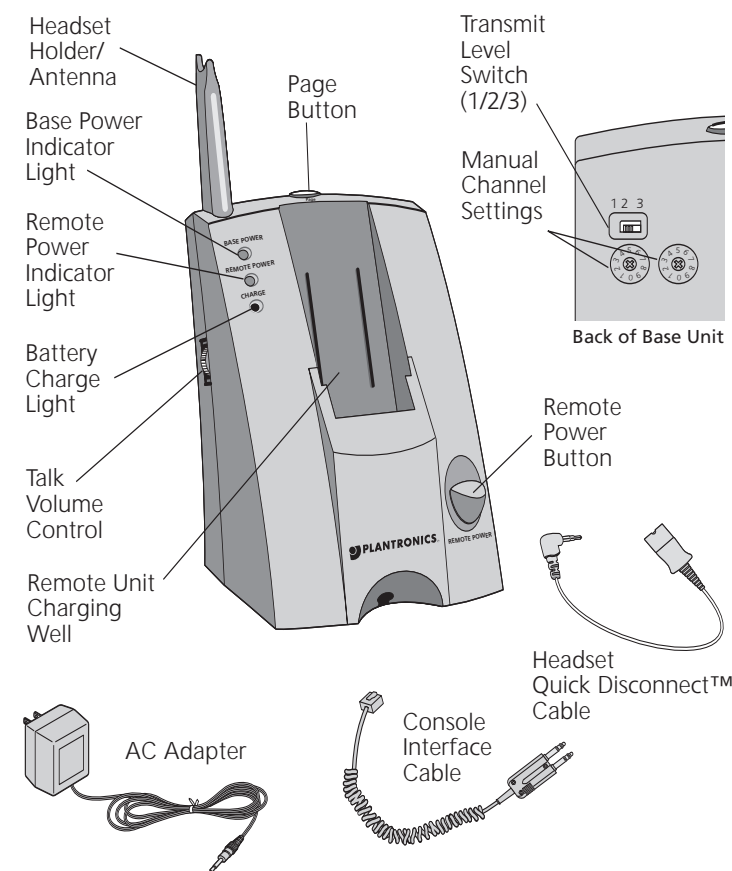
4.6 If you have misplaced the Remote, press the Page Button for 3 seconds and the Remote will emit two long loud beeps.



COMPONENTS OF THE CA10CD



REMOTE UNIT



BASE UNIT

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Battery Preparation

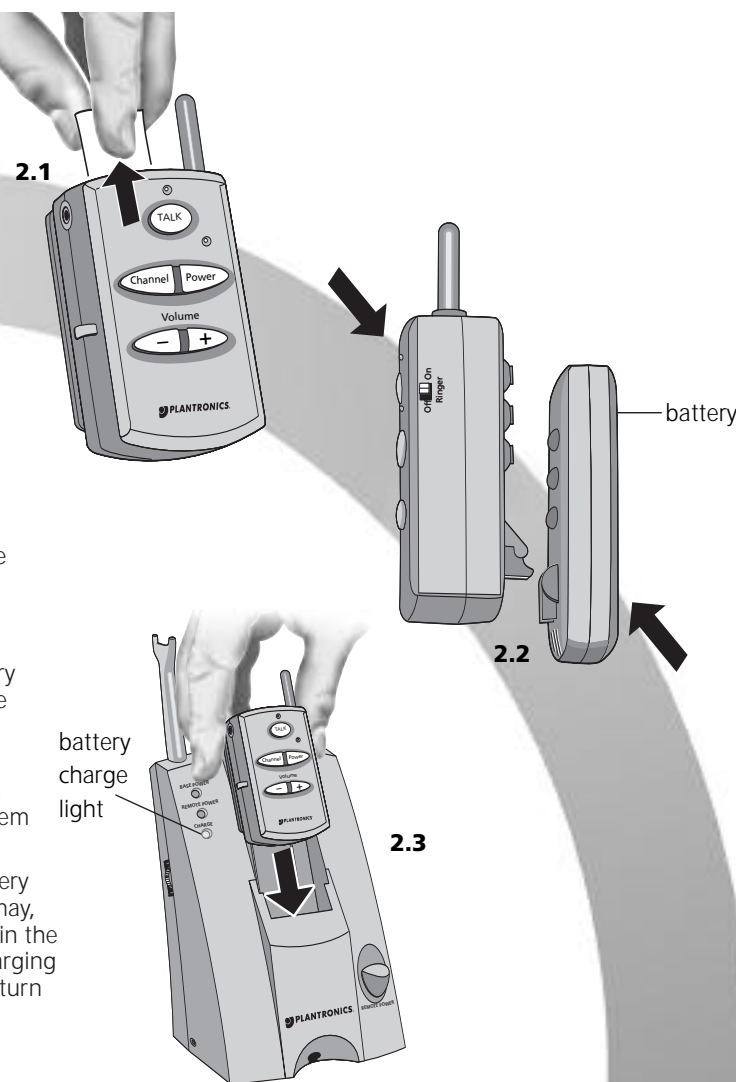
2.1 If present, remove the shipping insulator pull-tab on the battery, located between the Remote Unit and the Battery Pack.

2.2 If necessary, attach the Remote Unit to the Battery Pack. The Remote and Battery Pack slip together easily and snap into place. Do not force them together.

2.3 Slide the Remote Unit and Battery Pack into the Charging Well until the Charge Indicator illuminates.

Note: Remote Unit must remain in the Base for 5 seconds to establish a communications link before the system can function.

Prior to using the CA10CD, the Battery must be charged for 8 hours. (You may, however, use the Remote while it is in the Charging Well. This will increase charging time). The Battery Charge Light will turn off after the Battery is fully charged.



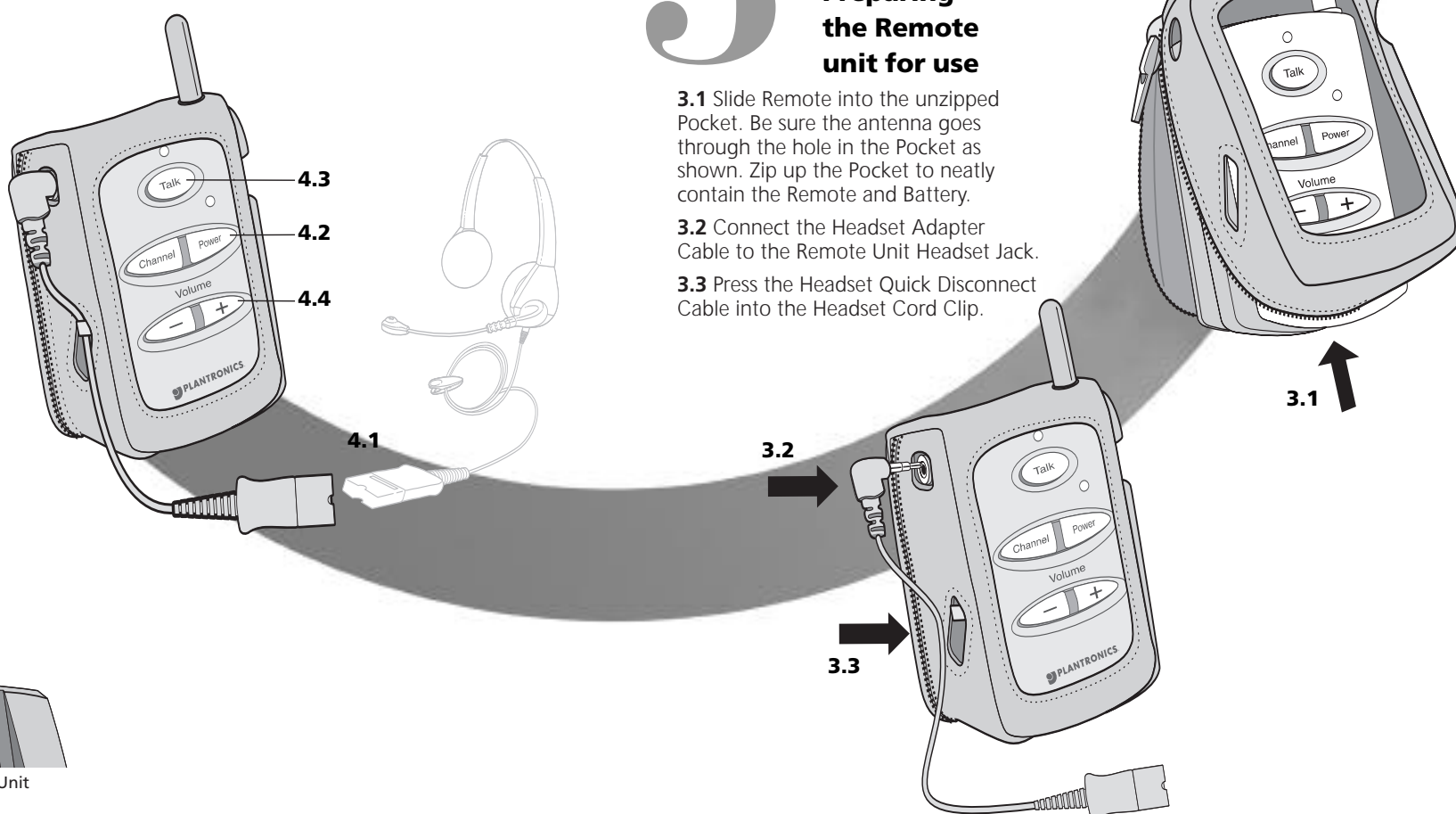
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Preparing the Remote unit for use

3.1 Slide Remote into the unzipped Pocket. Be sure the antenna goes through the hole in the Pocket as shown. Zip up the Pocket to neatly contain the Remote and Battery.

3.2 Connect the Headset Adapter Cable to the Remote Unit Headset Jack.

3.3 Press the Headset Quick Disconnect Cable into the Headset Cord Clip.



IMPORTANT SAFETY INSTRUCTIONS

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

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- Read and understand all instructions.
 - Follow all warnings and instructions marked on the product. The symbol identifies and alerts the user to the presence of important operating and service instructions.
 - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
 - Do not locate base unit near water, for example, near a bathtub, wash bowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
 - This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation unless proper ventilation is provided.
 - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your dealer or local power company.
 - Do not allow anything to rest on the power cord. Do not locate this product where the cord will be abused by persons walking on it.
 - Do not overload outlets and extension cords as this can result in the risk of fire or electric shock.
 - This product should be supplied by a Listed Class 2 Direct Plug-In Power Unit rated 9VDC 800mA. Plantronics Part No. 45669-01, rated at an input voltage of 120 VAC, 60Hz and an output voltage of 9 VDC at 800mA.
 - Never push objects of any kind into this product through base unit slots as they may touch dangerous voltage points or short out parts that could result in a risk of fire or electric shock. Never spill liquid of any kind on the product.
 - To reduce the risk of electric shock, do not disassemble this product, but take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the product is subsequently used.
 - Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.
 - Do not use this product to report a gas leak in the vicinity of the leak.
 - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power supply cord or plug is damaged or frayed.
 - If liquid has been spilled into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because improper adjustments of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - If the product has been dropped or the base unit has been damaged.
 - If the product exhibits a distinct change in performance.
 - Keep all product cords and cables away from operating machinery.

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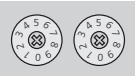
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- CAUTION:** To reduce the risk of fire or injury to persons, read and follow these instructions.
- Use only the battery pack supplied with this product.
 - Do not dispose of battery pack in a fire. The cells may explode. Check with local codes for possible disposal instructions.
 - Do not open or mutilate battery pack. Released electrolyte is corrosive and may cause damage to eyes or skin and may be toxic if swallowed.
 - Exercise care in handling the battery pack in order not to “short” the battery contacts with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.
 - Charge the battery pack in accordance with instructions supplied with this unit.
 - Observe proper orientation between battery pack and charger contacts.

CHANNEL SELECTION

The CA10CD has the ability to operate in either automatic channel selection or in fixed channel selection mode. The Channel Selection Wheels on the back of the Base determine mode and operating channel. Setting the Channel Selection Wheels to 00 chooses automatic channel selection



mode. When the wheels are set to 00, the system looks for an unused channel when the Remote is turned on. The user can change channels by pressing the Channel button during the connection. Pressing the Channel button on the Remote will cause the system to step through the channels in increments of three to the next unused channel. This permits the user to avoid interference.

Setting the Channel Selection Wheels to 01-40 chooses fixed channel selection mode. The left wheel is the 10's digit, and the right wheel is the units digit, looking at the Base from the back. Selecting channel 01 sets the Base to transmit on 902.8MHz and the Remote to transmit on 925.3 MHz. Selecting the next higher channel results in a transmission increment of .05 MHz. Therefore, selecting channel 02 sets the Base to transmit on 902.85 MHz and the Remote to transmit on 925.35 MHz. Selecting channel 40 sets the Base to transmit on 904.75 MHz and the Remote to transmit on 927.25 MHz. The Channel button on the Remote is disabled when the system is in fixed channel selection mode. Fixed channel selection mode is provided to permit planned dedicated channels for individual users in an environment with many users. This mode avoids interference and accidental eavesdropping.

To select a particular channel, first turn off power to the Remote unit. With the Remote removed from the base, change the Channel Selection Wheels on the back of the Base to the desired channel. Then set the Remote in the Base to train the Remote. When power is reapplied to the Remote, the newly selected channel will be used.

Changing the Channel Selection Wheels while the Remote is energized will not result in the system changing channels until the next time the Remote is placed in the base with the power off.

INTERFERENCE & NOISY AUDIO

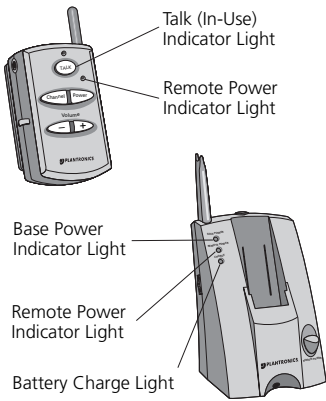
The CA10CD operates in a frequency band shared with other radio products. Sometimes interference occurs. Interference may result in buzzing or pops in the audio, or may result in shortened range. The CA10CD permits manual channel pre-assignment to avoid interference from other users. The CA10CD (in automatic mode) has some capability to detect and avoid interference on a single channel when the Remote is first turned on. The CA10CD will change channels to find a clear channel when the Remote is turned on if in automatic channel selection mode. This does not protect the user once the Remote is on. This protection is also only effective if the interference source stays on one channel. The system cannot protect itself against frequency-hopping systems.

A total of 40 channels can be manually selected on the CA10CD. 39 Channels are usable. Do not select channel 15, which is always used by the system for a moment when the Remote is dropped into the base. Using channel 15 will result in momentary interference to the unit which has channel 15 selected from all other units each time the other remotes are cradled.

In high-density applications it is important not to have other 902-928 MHz cordless products in use in the area. Interference may come from systems well outside the coverage area, as the range for interference is greater than the coverage range.

Predicting the effective range and region of susceptibility to interference for individual environments and building layouts is of sufficient complexity as to be beyond the scope of this discussion. The preceding information is provided as a reference for system planning, and the performance of individual installations may vary.

AUDIO & VISUAL INDICATORS



Visual Indicators

REMOTE

Push-to-Talk LED-Green Illuminated only when TALK button is depressed. Indicates a transmit “Key” signal to the radio.

Power LED-Green Illuminated while power to the Remote is ON.

BASE

Base Power LED-Red Illuminated whenever power is applied to the Base via the AC Power Adapter.

Remote Power LED-Green Illuminated while power to the Remote is on.

Charge LED-Amber Flashes for 2 seconds while verifying contact when Remote is placed in the Charging Well. The Charge LED remains steady while charging and extinguishes when the battery is fully charged.

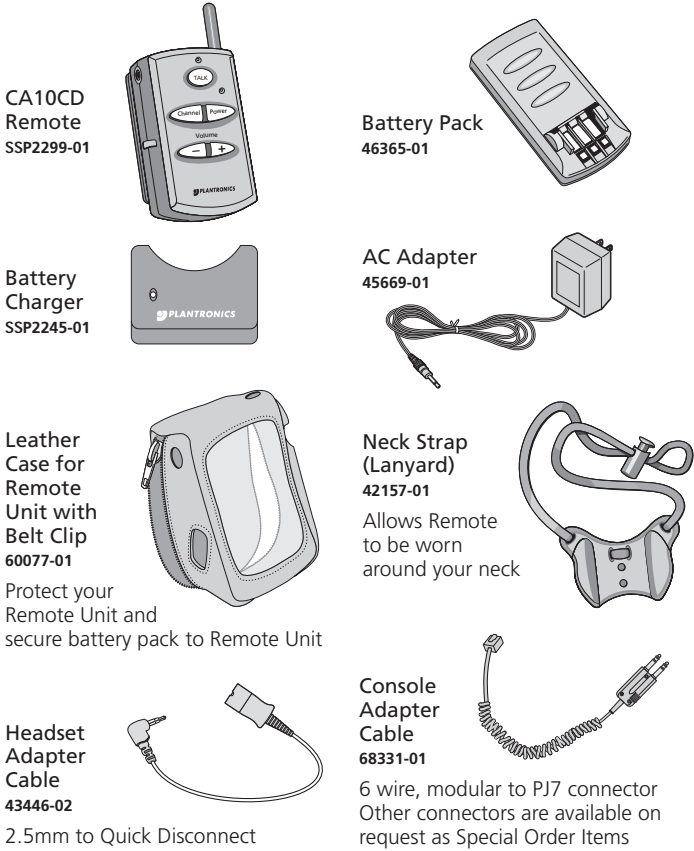
Audio Prompts

Low Battery Two beeps generated at 30-second intervals whenever power is low. Heard only through the headset when Remote Power is on.

Out-of-Range Three beeps generated whenever the Remote is taken out of range of the Base. Heard only through the headset when the Remote is on.

Linked One beep is heard through the headset when power to the Remote is applied and the RF link is established.

SUPPLIES & ACCESSORIES



Information on Accessories

Call Plantronics at (800) 544-4660 x5538 or visit our website at www.plantronics.com.

For accessibility information call the Technical Assistance Center (TAC) at (800) 544-4660 x5538.

TROUBLESHOOTING

I cannot hear

- Make sure your Remote Battery Pack is securely seated in the Charging Well and/or fully charged. The Battery Pack must charge for 8 hours prior to first use.
- Check that all cords are correctly connected and firmly in place as per the connection diagram.
- Adjust the Listen Volume Control.
- Make sure the Remote Unit is within range of the Base Unit.
- Separate and then reconnect the Battery Pack and Remote Unit.
- Return the Remote to the Base Unit charger for 5 seconds to reestablish a communication link.
- Disconnect and reconnect the AC power cord to the Base Unit.

Caller cannot hear my voice

- Make sure Transmit Level is configured.
- Adjust the Talk Volume Control.
- Make sure that the microphone boom on your headset is adjusted properly, as specified in the Headset User's Guide.

I hear a buzz or hum

- Try locating your Base Unit in different positions and make sure no objects obstruct the Remote or Base Unit.
- Locate the Remote and Base Units away from electronic equipment or other radio frequency devices.

I hear a squeal in the headset

- Be sure the headset plug is pushed all the way into the headset jack on the Remote.
- Secure the Headset Cord under the cord clip on the Remote.
- Reduce the Talk Volume (control located on the side of the Base)
- If squeal occurs with the talk volume at minimum, move the Transmit Level Switch (located on the back of the base) from position 1 to position 2, or from position 2 to position 3, and readjust the Talk Volume Control. Refer to Step 4 on the other side of this guide.
- Be sure the headset microphone is pointing towards your mouth.
- Reduce the listen volume by pressing the (-) button on the Remote.
- If you have multiple CA10CD Base units, move them as far as possible from each other.

I can hear other cordless device users

- Press the Channel Button until you get a clear signal.
- Ensure Manual Channel Settings are “0/0”.
- If others are using a CA10CD Amplifier in your immediate vicinity, call the Technical Assistance Center at Plantronics (800-544-4660) for instructions on adjusting the channel control settings.

I need more talk time

- A back-up battery pack may be held in the Charging Well while the Remote Unit is in use. This provides an immediate source of additional talk time. Extra packs are listed in the Supplies and Accessories section below.

FCC REQUIREMENTS

FCC Requirements—Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

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. 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 the user is encouraged to try to correct 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 another circuit.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

LIMITED WARRANTY

What does this warranty cover?

This warranty covers any defects in workmanship or materials in this product purchased in the U.S. or Canada. For warranty information in other countries, contact your local distributor.

How long does the coverage last?

This warranty runs for one year from the date of purchase.

What does this warranty NOT cover?

Damage caused by accident, abuse, misuse, or an act of God (such as a flood) are not covered. Implied warranties, including those of merchantability, fitness for a particular purpose and non infringement shall (a) have no duration greater than one year from the date of purchase, (b) terminate automatically at the end of that period, and (c) to the extent permitted by law, be excluded. Consequential and incidental damages, including without limitation, loss of property and those arising from breach of any express or implied warranty, are not the responsibility of Plantronics, and to the extent permitted by law, are excluded. Some states do not allow exclusion or limitation of incidental or consequential damages, so the above exclusion may not apply to you.

How do you get service?

To obtain service in the U.S. contact Plantronics at (800) 544-4660 and in Canada call (800) 540-8363.

How does state law apply?

This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.