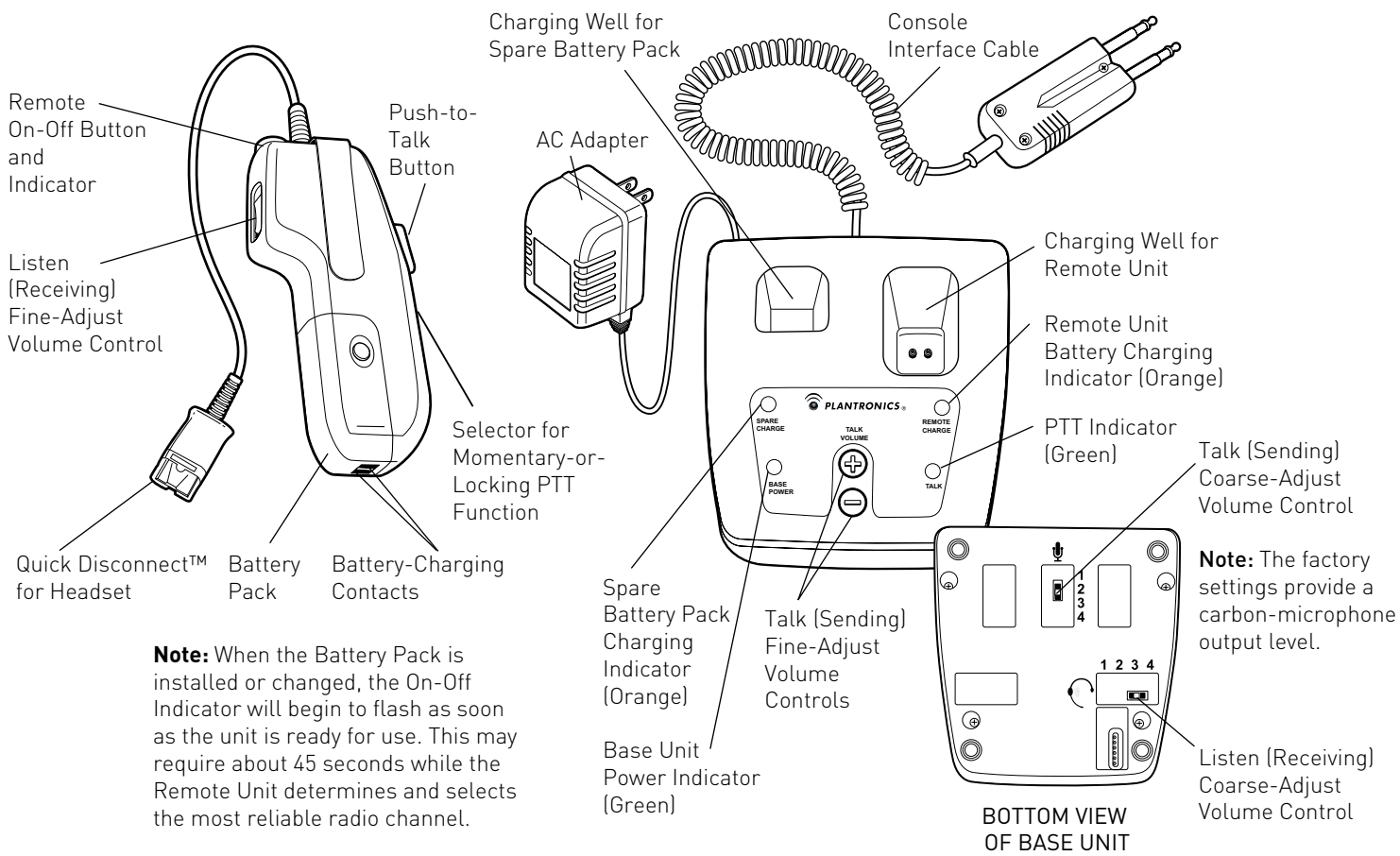
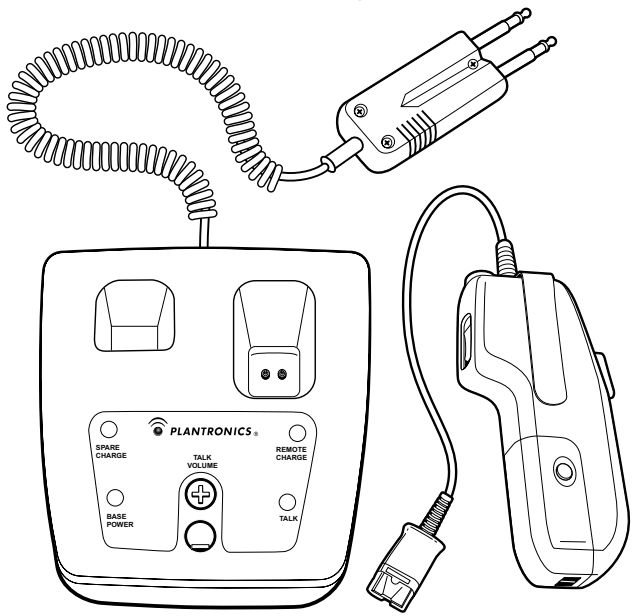
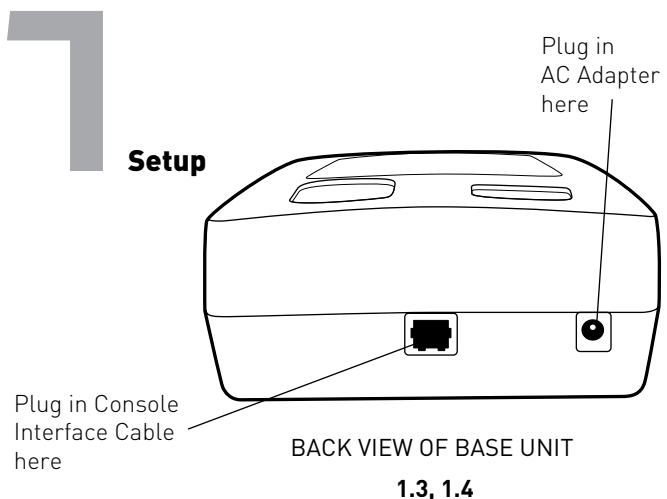


Model **CA12CD**  
Push-to-Talk Headset Amplifier



REMOTE UNIT

BASE UNIT



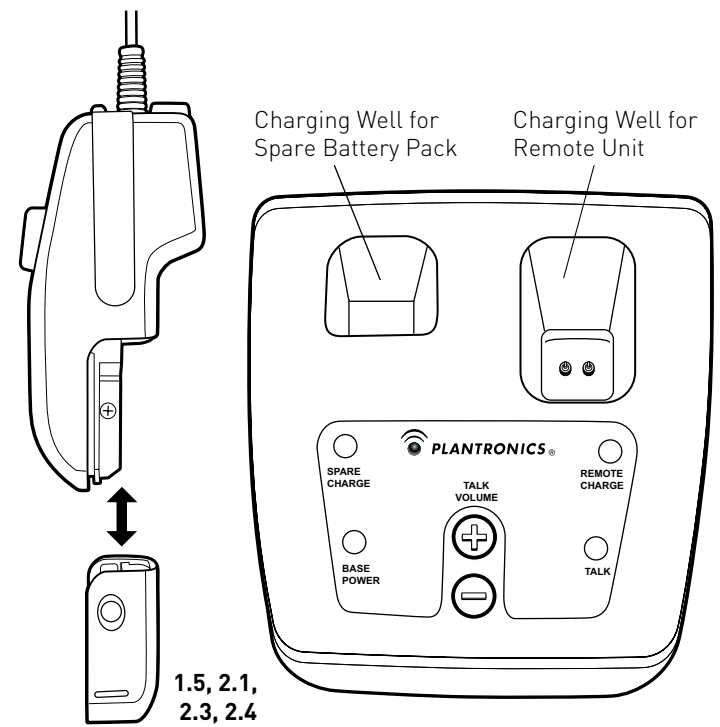
- 1.1 Operating other devices in the same frequency band as the CA12CD will reduce user density and range. In North America, the CA12CD operates in the UPCS frequency band (1.92 to 1.93 GHz). In other regions, the CA12CD operates in the DECT frequency band (1.88 to 1.90 GHz). Various versions of the CA12CD are available for use in specific countries.
- 1.2 User density and range can vary widely due to such variables as building layout and whether other devices are operating in the same frequency band as the CA12CD.  
In low-density installations (e.g., 5 units placed 10 feet apart), the range can be greater than 100 feet. In high-density installations (e.g., 30 units placed 18 inches apart), the range could decrease to 10 feet.
- 1.3 Plug the modular connector on the Console Interface Cable into the modular jack on the back of the Base Unit. Plug the other end into your console.

- 1.4 Plug the AC Adapter into the wall outlet, and plug the round power connector into the back of the Base Unit. The Base Power Indicator will illuminate.
- 1.5 Slide the Battery Pack onto the Remote Unit. When the Battery Pack is installed or changed, the On-Off Indicator will begin to flash slowly as soon as the unit is ready for use. This may require about 45 seconds while the Remote Unit determines and selects the most reliable radio channel.
- 1.6 Attach a headset to the Remote Unit.
- 1.7 Place CA12CDs at least 12 inches away from CRT-type computer monitors.

2 **Battery Charging & Management**

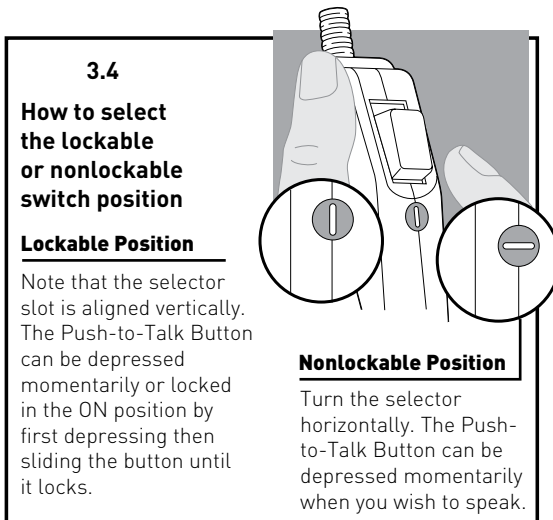
- 2.1 To attach the Battery Pack to the Remote Unit, simply slide the Battery Pack onto the Remote Unit and snap it into place. Do not force them together.
- 2.2 The Base Unit is equipped with two battery-charging wells. The larger well allows charging of the battery while it is attached to the Remote Unit. The smaller well allows charging of a spare Battery Pack all by itself.
- 2.3 Insert the Remote Unit and the spare Battery Pack into their respective charging wells. The Charging Indicators will flash while the Battery Packs are charging.
- 2.4 When a Battery Pack is charged, its Charging Indicator will stop blinking and glow steadily.
- 2.5 The On-Off Indicator on the Remote Unit will begin to flash as soon as the unit is ready for use. This may require about 45 seconds while the Remote Unit determines and selects the most reliable radio channel.

- 2.6 A fully charged Battery Pack will last for up to eight hours.
  - 2.7 To maximize the life of the Battery Pack, turn the Remote Unit off and place it into the charging well when not in use. Prior to being used, Battery Packs must be charged for at least one hour or until the Charging Indicator changes from blinking to continuously on.
  - 2.8 A completely depleted battery requires three hours to fully charge.
- Note:** Always release (disengage) the PTT Button before swapping Battery Packs.
- Warning:** Touching the battery-charging contacts or placing objects other than the Battery Packs and Remote Unit in the charging wells may adversely affect the operation of the CA12CD.



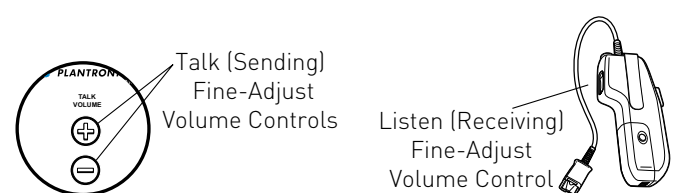
3 **Operation**

- 3.1 To maximize user density, always turn the Remote Unit off when not in use.
- 3.2 Press the On-Off Button located on top of the Remote Unit. The green On-Off Indicator will begin to flash. If the battery has just been installed, the Remote Unit will automatically turn on and the On-Off Indicator will begin to flash. This may require about 45 seconds. (Reference Section 1.5)
- 3.3 Depressing the Push-To-Talk (PTT) Button on the Remote Unit will generate the "key" signal to your console or radio. While the PTT Button is depressed, the green Talk Indicator on the Base Unit will illuminate.
- 3.4 The operation of the PTT Button can be adjusted with a screwdriver to be either lockable or non-lockable as shown.



- 3.5 To get the best audio performance from your CA12CD, please use the guidelines on the separate card, *Setting Model CA12CD Audio Levels*. Properly-adjusted audio levels are especially important for avoiding sidetone echo, as well as for being able to hear your callers and be heard clearly by them.

- 3.6 The Base Unit and the Remote Unit are paired with each other at the factory in a process called subscription. If you replace your Remote Unit, or if your Remote Unit loses its subscription (shown by a rapidly flashing On-Off Indicator), you can perform the subscription process as follows:
  - Hold both of the Talk (Sending) Fine-Adjust Volume Controls on the top of the Base Unit down.
    - The Base Power Indicator will begin blinking.
  - Hold the Remote Unit's Listen (Receiving) Fine-Adjust Volume Control in either the up or down position.
    - The Remote Unit's On-Off Indicator will turn on steadily (no flashing).
  - The Remote Unit will subscribe to the Base Unit, after which the Base Power Indicator will return to the steadily on state. The Remote Unit's On-Off Indicator will go out for a few seconds and then begin to flash slowly. Your CA12CD is now ready to use.



## CONTROLS AND INDICATORS

Model CA12CD provides numerous audible and visible indications. Detailed descriptions are provided below.

### CONTROLS

Name and Location	Function
Push-to-Talk Button on Remote Unit	Causes relay closure in Base Unit that "keys up" user's radio
Locking-Momentary Selector on Remote Unit	Enables or disables locking operation of the PTT Switch
On-Off Button and Indicator on Remote Unit	Toggles the RF link between the idle-locked and enabled states
Listen (Receiving) Fine-Adjust Volume-Control rocker switch on Remote Unit	Adjusts the Listen (Receiving) sensitivity in 2-dB steps
Listen (Receiving) Coarse-Adjust Volume-Control slide switch on Base Unit bottom	Adjusts the Listen (Receiving) sensitivity in 6-dB steps
Talk (Sending) Fine-Adjust Volume-Control momentary push buttons on Base Unit top	Adjusts the Talk (Sending) sensitivity in 2-dB steps
Talk (Sending) Coarse-Adjust Volume-Control slide switch on Base Unit bottom	Adjusts the Talk (Sending) output for carbon-, electret-, or dynamic-mic applications

### VISIBLE INDICATORS

Name	Aspect	Function
Remote Unit: Green On-Off Indicator	1) Flashing slowly to conserve battery charge. 2) Flashing Rapidly to indicate loss of subscription.	1) Indicates that the RF link between the Remote and the Base is enabled. 2) Warns of lost subscription when flashing rapidly.
Base Unit: Green Base Power Indicator	1) On continuously when the Base Unit is connected to power via the AC Adapter. 2) Flashing when Base Unit is in subscription mode.	1) Shows that the Base Unit is powered up. 2) Indicates that subscription is occurring.
Base Unit: Green Talk Indicator	On steadily when PTT button is depressed.	Shows PTT status.
Base Unit: Orange Charging Indicators	1) Flashing while battery is charging. 2) On steadily when battery is fully charged or during top-off charging. 3) Rapidly flashing to indicate battery fault (Remote Charge Indicator only).	Shows battery status.

### ERROR CONDITIONS

If you hear a...	It means...
Triple beep	Your Remote Unit is too far from the Base Unit and you should move closer.
Single beep every 10 seconds	Your battery is low and should be changed or charged.
Low-level double beep every 10 seconds	The quality of the link between your Remote Unit and your Base Unit is low. (You may be going out of range.)
If you see a...	It means...
Rapidly blinking Remote On-Off Indicator	Your Remote Unit is not subscribed to the Base Unit. (Slow blinking indicates normal operation.)
Rapidly blinking Remote Unit Battery Charging Indicator	Your battery should be replaced.

## FCC REQUIREMENTS PART 15

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

1. This device may not cause harmful interference, and
2. 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 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 radio or television off and on, the user is encouraged to try to correct interference by one or more of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on another circuit.
4. Consult the dealer or an experienced radio/TV technician for help.

### Exposure to Radio Frequency Radiation

This device and its antenna must not be co-located or operated in conjunction with any other antenna or transmitter. To comply with FCC RF exposure requirements, use only the supplied antenna.

The radiated output power of this internal wireless radio is far below the FCC radio frequency exposure limits. Nevertheless, the wireless radio shall be used as described in the manual.

The internal wireless radio operates within guidelines found in radio frequency safety standards and recommendations, which reflect the consensus of the scientific community.

Plantronics therefore believes the internal wireless radio is safe for use by consumers. The level of energy emitted is far less than the electromagnetic energy emitted by wireless devices such as mobile phones. However, the use of wireless radios may be restricted in some situations or environments, such as aboard airplanes. If you are unsure of restrictions, you are encouraged to ask for authorization before turning on the wireless radio.

**NOTE:** Modifications not expressly approved by Plantronics, Inc. could void the user's authority to operate the equipment.

## INDUSTRY CANADA NOTICE

### US INDUSTRY CANADA NOTICE

#### Radio Equipment

The term "IC:" before the radio certification number signifies only that Industry Canada technical specifications were met.

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device. Privacy of communications may not be ensured when using this telephone.

This product meets the applicable Industry Canada technical specifications of the RSS-213.

### F AVIS INDUSTRIE CANADA

#### Équipement radio

Le terme «IC/CI» avant le numéro d'homologation radio signifie seulement que les spécifications techniques d'Industrie Canada ont été respectées.

Le fonctionnement de l'équipement est soumis aux deux conditions suivantes : (1) le dispositif ne doit créer aucune interférence nuisible, et (2) le dispositif doit accepter toute interférence reçue, y compris celles pouvant causer le fonctionnement indésirable du dispositif. La confidentialité des communications n'est pas assurée lors de l'usage du téléphone.

Ce produit répond aux spécifications techniques du ministère de l'Industrie du Canada en vigueur pour le RSS-213.

## LIMITED WARRANTY

- This warranty covers defects in materials and workmanship of products manufactured, sold or certified by Plantronics that were purchased and used in the United States.
- The warranty lasts for one year from the date of purchase of the products.
- This warranty extends to you only if you are the end user with the original purchase receipt.
- We will, at our option, repair or replace the products that do not conform to the specification. We may use functionally equivalent reconditioned, refurbished, remanufactured, pre-owned or new products or parts.
- To obtain service in the U.S., contact Plantronics at 800-544-4660.
- THIS IS THE COMPLETE PLANTRONICS WARRANTY FOR THE PRODUCTS.
- This warranty gives you specific legal rights, and you may also have other rights that vary from state to state. Please contact your dealer or our service center for the full details of our limited warranty, including items not covered by this limited warranty.

## TECHNICAL ASSISTANCE

Visit our Web site at [www.plantronics.com/support](http://www.plantronics.com/support) for technical support including frequently asked questions, compatibility and accessibility information. The Plantronics Technical Assistance Center (TAC) is also ready to assist you on 800-544-4660.

## IMPORTANT SAFETY INSTRUCTIONS

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

1. Read and understand all instructions.
2. 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.
3. Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
4. Do not locate Base Unit near water, for example, near a bathtub or sink, in a wet basement, or near a swimming pool.
5. 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.
6. 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.
7. Do not locate this product in an area where the power cord is likely to be damaged by furniture or foot traffic.
8. Do not overload outlets and extension cords as this can result in the risk of fire or electric shock.
9. 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.
10. 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.
11. Avoid using telephone equipment during an electrical storm. There may be a remote risk of electric shock from lightning.
12. Do not use the telephone equipment to report a gas leak in the vicinity of the leak.
13. Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
  - a) When the power supply cord or plug is damaged or frayed.
  - b) If the product has been exposed to liquid.
  - c) 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.
  - d) If the product has been dropped or the Base Unit has been damaged.
  - e) If the product exhibits a distinct change in performance.
14. Never install telephone wiring during a lightning storm.
15. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
16. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
17. Use caution when installing or modifying telephone lines.
18. This product is intended to be supplied by a Listed Class 2 Direct Plug-In Power Unit, rated at an output voltage of 9 VDC at 500mA.
19. This product requires AC power in order to operate. In order to have phone service during a power outage, have another headset available that is powered only by the communications equipment.
20. Keep all product cords and cables away from operating machinery.

## BATTERY PACK PRECAUTIONS



**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.

## SUPPLIES & ACCESSORIES

AC Adapters  
North America  
(shown): 64401-01  
European Union:  
47249-02  
United Kingdom:  
64784-01  
Australia: 66804-01



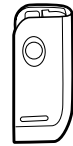
Remote  
North  
America  
90224-01  
(UPCS)  
90224-02  
(DECT)



Console  
Interface  
Cable  
68331-01



Battery Pack  
90225-01



6 wire, modular-to-PJ7 cable assembly  
Connectors other than the PJ7  
are available upon request



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