Remote Unit

2 Performance Tips

2.1 Careful setting of the audio levels, both in your communications console and in the CA12CD-S, is essential for getting good audio quality and avoid echoes. Please see the separate sheet Audio Settings Guide for the CA12CD-S for detailed advice.

2.2 Operating other radio devices, such as DECT cordless handsets, in the same frequency band as the CA12CD-S will reduce the number of units that can be operated at one time, along with reducing their maximum range. In North America, the CA12CD-S operates in the UPCS frequency band (1.92 to 1.93 GHz). In other regions (e.g., the European Union), the CA12CD-S operates in the GEC frequency band (1.88 to 1.90 GHz).

2.3 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-S.

3 Battery Charging and Management

3.1 A new, fully charged battery pack will last for about 8 hours; however, we recommend swapping the Remote’s battery pack with a freshly charged battery pack from the Spare Charger about every 4 hours. Doing so will help ensure that mission-critical communications are not interrupted by low batteries. Following this recommendation will also maximize the battery’s service life.

3.2 Between battery swaps, we recommend placing the Remote in its charging well whenever possible, and, if it is not being used, tuning the audio link off by pressing the Audio Link button.

3.3 If the Remote is left in the charging well with the link up, a new charging cycle will typically begin after about 3 hours after the first charging cycle. Using the Remote at this time without installing its charging well whenever possible, and, if it is not being used, placing the Remote in its charging well whenever possible, and, if it is not being used, tuning the audio link off by pressing the Audio Link button.

3.4 A completely depleted battery pack requires about 8 hours to fully charge.

3.5 The Remote will continue to draw a small amount of power from the battery even after being turned off. If you need to store the Remote, remove the battery pack so that it does not become completely discharged while in storage.

Warning: Touching the battery-charging contacts or placing objects other than the battery packs and Remote in the charging wells may adversely affect the operation of the CA12CD-S.

Note 3.1 Rechargeable batteries of all types gradually age and lose their ability to give and receive charge. Over time, this will result in gradually decreasing talk times. In a typical 24/7 operation, where the batteries are regularly being charged and discharged, we recommend that you monitor their performance and replace them as needed.

4 Subscribing Remotes and Bases

The Base and the Remote are paired with each other at the factory in a process called subscription. If you replace either one, you can subscribe them as follows:

4.1 Press and hold the Subscription button on the back of the Base. Alternatively, you can hold both of the Talk Volume buttons on the top of the Base down.

a. The Base-Power LED will begin blinking.

b. Hold the Remote’s Listen Volume Control in either the up or down position.

The Remote’s Audio Link LED will turn on steadily (no flashing). The Remote will subscribe to the Base, after which the Base-Power LED will return to the steady-on state. The Remote’s Audio Link LED will go out for a few seconds and then begin to flash once per second, indicating that your CA12CD-S is now ready to use.

Note 4.1: Remotes and Bases from different models and product generations cannot be mixed. Please see Table 4.1.

Table 4.1: Compatibility of Remotes and Bases

<table>
<thead>
<tr>
<th>Color of Momentary/Locking Selector on Remote (See Figure 1.17 for Location)</th>
<th>Color of Talk Volume Buttons on Base</th>
<th>Model &amp; Product Generation</th>
<th>Primary Region of Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Black</td>
<td>Black</td>
<td>CA12CD, 1st Gen.</td>
<td>North America</td>
</tr>
<tr>
<td>White</td>
<td>Black</td>
<td>CA12CD/VA, 1st Gen.</td>
<td>Europe</td>
</tr>
<tr>
<td>Gray</td>
<td>Gray</td>
<td>CA12CD-S, 2nd Gen.</td>
<td>North America</td>
</tr>
<tr>
<td>Purple</td>
<td>Purple</td>
<td>CA12CD-S/A, 2nd Gen.</td>
<td>Europe</td>
</tr>
</tbody>
</table>
ERROR CONDITIONS
If you hear an...
Triple beep
Your Remote has lost its audio link with the Base. Usually, this is due to being too far away from the Base. (Note that a triple beep while using the Talk or Listen fine-adjust controls indicates that the level is at its nominal setting.)
Simple beep every 10 seconds
Your battery is low and should be changed or charged.
If you see...

The Audio Link LED flashes six times per second
A Charge LED flashes six times per second
Your battery should be replaced or, there could be an object such as a coin or a paperclip in the charging well.

ATTENTION:
Interference or termination of the communications link between the Base and the Remote will occur under the following or similar conditions:
1. Power outage
2. Moving the Remote out of range from the Base
3. Pressing the Audio Link button on the Remote while the audio link is active
4. Disconnection of the Base’s power supply
5. Removal of the battery pack from the Remote
6. Low battery
7. Operation of other radio devices in the same frequency range (1.92 to 1.93 GHz for North America and 1.88 to 1.93 GHz for Europe and some other regions) as the AUDIO Link-5 S.
8. Too many CAI2DCS’s in the same location. At least 30 can typically be operated in the same location. However, this number can vary depending on such factors as the distance between units and materials, physical separation of units, and other radio devices operating nearby.

FCC PART 15 REQUIREMENTS
This device complies with Part 15 of the FCC’s 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, including interference that may cause undesired operation of the device.

This equipment has been tested and complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC’s 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 a circuit different from that to which the receiver is connected.
4. Consult the dealer or an experienced radio/TV technician for help.

EXPOSURE TO RADIO FREQUENCY RADIATION
This product and its antenna must be reconfigured or relocated in order to comply with the FCC’s 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 electromagnetic 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 aircraft, if you are unsure of restrictions, you are encouraged to ask for authorization before turning on the wireless radio.

In order to comply with FCC and IEC RFC Exposure requirements, the base must be installed and operated such that a minimum separation distance of 20 cm is maintained between the base and all persons during normal operation. The Remote complies with FCC radiation limits set forth for an uncontrolled environment.

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

INDUSTRY CANADA REGULATORY INFORMATION
This device complies with Industry Canada licences-exempt RSS standards. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and 2. This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d’Industrie Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes: 1. L’appareil ne doit pas produire de brouillage, et 2. L’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même s’il est susceptible d’entrainer des dégradations des performances de l’appareil.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d’exposition à la radiation IC énoncées pour un environnement non contrôlé.

CAN-ICES-3(B)/NMB-3B

LIMITED WARRANTY
This warranty applies to 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 parts or products.

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 or contact Plantronics 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.
3. Do not use the telephone equipment to report a gas leak in the vicinity of the leak.

4. Plug this product only into AC outlets as marked on the product.

5. Do not use the telephone equipment to report a gas leak in the vicinity of the leak.

6. Never touch uninsulated telephone wires or terminals unless the telephone is unplugged from the wall outlet.

7. Never use telephone equipment during an electrical storm. There could be a remote risk of electric shock from lightning.

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.

10. Use only the battery pack supplied with this product.

11. Never attempt to open the battery pack. If the battery becomes damaged, do not use the battery.

12. Never attempt to close the battery pack. If the battery becomes damaged, do not use the battery.

13. Do not heat the battery pack, place it near a heat source, or dispose of it in a fire. Batteries can explode in a fire.

14. Never disassemble this product. If this product does not operate properly, have it serviced by a qualified service technician.

15. Never touch uninsulated telephone wires or terminals unless the telephone line is disconnected from the network interface.

16. Use caution when installing or modifying telephone lines.

17. This product is intended to be supplied by a Listed Class II Direct Plug-In Power Unit, rated at an output voltage of 9 VDC at 500mA.

18. This product requires AC power in order to operate. In order to have phone service during a power outage, have another telephone available in case power is interrupted.

19. 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.
1. Use only the battery pack supplied with this product.
2. Do not disassemble of battery pack in a fire. The cells may explode. Check with local codes for possible disposal instructions.
3. 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, seek medical care immediately. In case of contact with the electrolyte, consult a doctor.

4. Save energy in harmful environment. Do not use power cords, or indoor power source and outlet voltages between 105 V and 125 V.

5. Charge the battery pack in accordance with instructions supplied with this unit.

6. Keep the battery pack out of the reach of children and pets.

SUPPLIES & ACCESSORIES
Contact Plantronics Customer Support at 800-544-4660 for an updated list of accessories.

• 20320-01) Remote
• 20320-02) Charging Base
• 20321-01) Console Interface Cable 68331-01
• 20322-01) Replacement Battery Pack 80323-02
• 20323-01) Manual
• 20323-02) Charge Indicator Lamp CA12CD-S
• 8-amp, module to PTT cable assembly

Visit our Web site at www.plantronics.com to order accessories or contact Plantronics for ordering information.

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Printed in U.S.A. (07052001-1s)