



ENGLISH

# ClearSounds®

Hear how good life can be

## **CS-CLA7BT**

**Bluetooth Amplified Neckloop Accessory**



Congratulations on your purchase of the CLA7BT Amplified Powered Neckloop from ClearSounds® Communications, Inc. The CLA7BT has been developed to facilitate the use of a Bluetooth capable cellular phone, landline phone, or audio device with a t-coil equipped hearing aid for hands-free wireless operation.

### **Features:**

- 30 dB Adjustable Amplification
- Compatible with standard Bluetooth Version 1.2/2.1 Devices
- 30 foot range (maximum)
- User-friendly controls and easy pairing
- Great for mobile, office and home applications.

The CLA7BT generates an amplified induction (loop) signal that is picked up by the telecoil of your hearing aid(s). This option in the HA is activated by setting the hearing aid(s) to the "T" or "MT" position. Please read this User Manual carefully in order to get the very best results from your CLA7BT. This will tell you how to set up the CLA7BT correctly and explain all the features to you.

The CLA7BT is compatible with most cellular phones and audio devices which support Bluetooth wireless technology. We hope it will

give you many years of successful operation. Please keep this manual for easy reference.

Please visit our web site at [www.clearsounds.com](http://www.clearsounds.com) to:

- Register your product
- Download additional manuals and troubleshooting tips

## **PLEASE SAVE THESE INSTRUCTIONS**

# **IMPORTANT SAFETY INSTRUCTIONS**

This product is a mobile solution built on Bluetooth technology. Please read the instructions before using your CLA7BT.

**Electromagnetic Interference/Compatibility:** Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

**Facilities:** To avoid electromagnetic interference and/or compatibility conflicts, turn off your CLA7BT in any facility where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.

**Aircraft:** When instructed to do so, turn off your device when on board an aircraft. Any use of a

device must be in accordance with applicable regulations per airline crew instructions.

**Medical Devices:** If you use any personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

**WARNING:** *To avoid the possibility of electrical shock, do not use this product near water (For example, near a bathtub, wash basin, kitchen sink or laundry tub, in a wet basement or near a swimming pool) while in the bathtub or shower or when you are wet.*

**WARNING:** *Avoid using the telephone during electrical storms. There may be a remote risk of electric shock from lightning. If the electrical storm is present in your immediate area, possibility of electrical shock exists.*

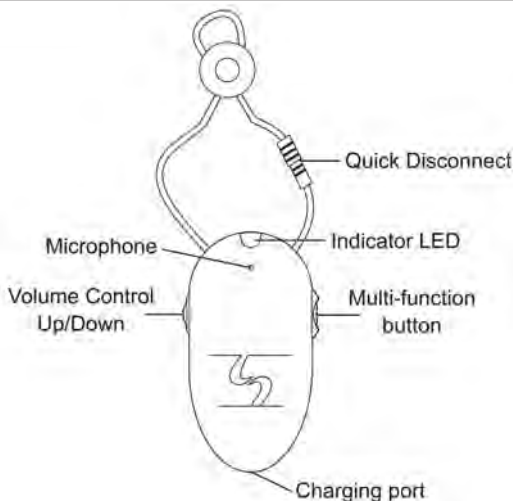
**WARNING:** *Do not use a phone if you suspect a gas leak in the area. The phone's electrical contacts could create a spark, which could ignite any heavy concentration of leaking gas.*

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## FEATURE LOCATION



# **IMPORTANT FACTS ON CHARGING THE CLA7BT**

## **FIRST TIME USE:**

Before using your CLA7BT for the first time, you need to charge its self-contained LI-Ion battery for 24 hours.

## **RECHARGING:**

When you hear 5 rapid beeps through your hearing aid or repeated at 20 second intervals and the LED indicator turns red you will need to recharge the battery.

After the battery is fully charged, the LED indicator will turn off. It takes approximately 1 to 1.5 hours to fully charge the battery. Do not charge for more than 24 hours.

Over extended periods of time, the battery will gradually wear down and require longer charging times. This is normal. The more you talk on the phone using your CLA7BT the less standby time your battery has.

## **HOW TO CHARGE:**

- 1 Using AC Power Supply - Connect the 3.5mm end of the USB cable into the charging port of the CLA7BT, and then connect the other end into the USB jack of the base charger. Plug the base charger

into a standard AC wall outlet. The CLA7BT is fully charged when the light goes out. After a full charge remove the charger from the wall outlet and detach the USB cable from the unit.



- 2 Using Car Charger - Connect the 3.5mm end of the USB cable into the charging port of the CLA7BT, and then connect the other end into the USB jack of the car charger. Plug the car charger into the cigarette lighter of your vehicle. The CLA7BT is fully charged when the light goes out. After a full charge remove the charger from the cigarette lighter and detach the USB cable from the unit.



- 3 Using a Laptop - Connect the 3.5mm end of the USB cable into the charging port of the CLA7BT, and then connect the other end into a USB jack on your PC. The CLA7BT is fully charged when the light goes out. After a full charge remove the cable from the PC and detach the USB cable from the unit.



*NOTE: During charging you cannot use the Amplified Power Neckloop. The batteries will have approximately 14 hours of talk time and 200 hours of standby time before needing recharging. Battery life will depend on actual usage and amplification levels.*

## **PAIRING YOUR CLA7BT TO YOUR CELLULAR PHONE.**

“Pairing” Creates a link between devices equipped with Bluetooth wireless technology and the CLA7BT, and allows the phone to remember the Neckloop’s unique ID; you can add it to a list of paired devices in the phone. The CLA7BT should be paired once with the phone before use. If the pairing information or log is deleted from your phone, the unit must be paired again with the phone prior to use. Once your CLA7BT and phone are paired, your CLA7BT automatically connects to your phone if the phone supports that protocol. Some phones may ask if you want to connect to a Bluetooth device. You need to check with your phone’s manual on how Bluetooth works with the phone.



With the CLA7BT and phone in close proximity

- 1 With your CLA7BT off, press and hold the Multi Function Button on the left side of your neckloop for more than 3 seconds. After the LED indicator lights up steadily, the neckloop is in pairing mode.
- 2 Perform a device discovery from your phone (for the detail on device discovery for your phone, refer to your owner's manual). When the scan is complete, the phone displays the devices found
- 3 Select BT 107 from the list of devices discovered and confirm per the requirements of your phone.
- 4 When prompted by the phone, enter the passkey 0000. Your phone will confirm that bonding occurred and the CLA7BT will confirm it paired successfully with 10 rapid flashes.
- 5 The phone information is now stored in the CLA7BT memory.

*NOTE: Make sure the neckloop and phone you are using are no more than 10m/33 feet apart, so they are within operable range.*

If the neckloop is not successfully paired within 2 minutes, it will automatically leave pairing mode. If you still want pairing, you will need to repeat the steps listed above.

## **PAIRING YOUR CLA7BT TO ADDITIONAL DEVICES.**

Your CLA7BT can store pairing information for up to eight (8) different devices with Bluetooth wireless capability. Devices are stored in a “Paired Device List” in the memory in a time sequence. When an attempt to pair more than eight devices is made, the oldest paired device is removed from the memory list. Any of the eight paired devices can initiate a connection to the CLA7BT.

The neckloop will automatically initiate a connection (once turned on) with the last device to which it was connected. If you want to connect the CLA7BT to another device in the paired device list, you must initiate the connection from that device. When any of the eight devices initiates a connection to your neckloop, that device then becomes the “last connected” device.

## **WEARING THE UNIT**

1. Place the wire around your neck and insert the round connector plug into the Neckloop Quick Disconnect plug, forming a loop.  
**IMPORTANT:** To have the Neckloop operate properly, you will need to be sure the Quick Disconnect connection jack has been

securely clicked in place. There will be two distinct clicks.

2. Make sure your CLA7BT is paired to the device you wish to use
3. Switch your hearing aid to "T" or "MT" mode when ready to make or receive a call.

## **TURNING YOUR CLA7BT ON AND OFF**

### **To turn the CLA7BT ON**

Press the Multi-Function button on the side of the CLA7BT. A series of 4 tones (low to high) can be heard from your hearing aid when it is in t-coil mode and the LED flashes 2 times (0.1 seconds)

### **To turn the CLA7BT OFF**

Press the Multi-Function button on the side of the CLA7BT. A series of 4 tones (high to low) can be heard from your hearing aid when it is in t-coil mode and the LED flashes 2 times (0.5 seconds) and the LED is off.

### **Receiving Volume Adjustment**

The receiving volume can be adjusted during a call. Use the volume control knob located on the right side of the unit when it is being worn. The volume setting on the cell phone or other device will add or remove amplification

from the overall system. If amplification is low, check the volume level on both units. If there is distortion or other interference, lower the volume on one or both of the units. Too much amplification can cause distortion.

## **MAKING AND RECEIVING CALLS USING BLUETOOTH**

The CLA7BT supports both Hands-Free and Headset Profiles. Accessing call functions depends on which profile your phone supports. You can activate all functions for Hands Free Profile using the following table.

**NOTE:** Some phones do not support all features listed. Please consult your phone user's guide.

When pressing the Multi-Function button, you can:

**Press and Release**— refers to duration of less than 0.8 seconds. You should hear 1 beep to confirm the requested action.

**Press and Hold** – refers to a duration of more than 0.8 but less than 1.6 seconds. While holding the multi-function button you will hear one beep, release the Multi-Function button to confirm the requested action.

**Press and Extend Hold** – refers to a duration of more than 3 seconds. While holding the multi-function button you will hear one beep,

release the Multi-Function button to confirm the requested action.

Function	Device Status		Action
	Phone	CLA7BT	Hands Free Profile
Power ON	--	OFF	Press and Hold the Multi-Function Button until the Neckloop is powered ON. A set a 4 tones plays (low to high) and LED flashes 2 times (0.1 Sec on, 0.5 Sec off)
Pairing/ Bonding	--	OFF	Press and Extend Hold the Multi-Function Button until the LED is steadily ON. The neckloop can then be discovered by another Bluetooth Device for 2 minutes.
Power OFF	--	ON (idle)	Press and Extend Hold the Multi-Function Button until the neckloop is powered OFF. A set of 4 tones plays (high to low) and the LED is off.
Make a Voice Dial Call	ON and the phone must support voice dialing from hands free device	ON (idle)	Press and Release the Multi-function, speak the name of the number you want dialed, the phone will dial the number.

Function	Device Status		Action
	Phone	CLA7BT	Hands Free Profile
Redialing Last Number	ON	ON (idle)	Press and Hold the Multi-Function button to recall the last phone number dialed, number dialed automatically
Receiving A Call	ON (ring)	ON (ring)	Press and Release the Multi-Function button to answer the call.
Ending A Call	ON (on call)	ON (on call)	Press and Release the Multi-Function button to end the call.
Rejecting a Call	ON (phone ring)	ON (ring)	Press and Hold the Multi-Function button to reject the call.
Put Call on Hold	ON (on call)	ON (on call)	Press and Hold the Multi-Function button to place current call on HOLD.
Resume a Call On Hold	ON (active call on Hold)	On (active call on Hold)	Press and Hold the Multi-Function Button to retrieve the call.
Answering 2 <sup>nd</sup> Incoming Call	ON (on call)	ON (on call)	Press and Hold the Multi-Function Button to put the 1 <sup>st</sup> call on hold and answer the 2 <sup>nd</sup> call.
To Switch Between 2 active calls	ON (on call)	ON	Press and Hold the Multi-Function Button to place the 2 <sup>nd</sup> call on hold and return to the first.

Function	Device Status		Action
	Phone	CLA7BT	Hands Free Profile
Transfer call from Neckloop to Phone	ON	ON (on call)	Press and Extend Hold the Multi-Function Button to turn the Neckloop off (4 tones HI to Lo) call is transferred to phone.
Transfer Call from Phone to Neckloop	ON (on call)	OFF (previously paired)	Press and Hold the Multi-Function Button, once connection is established the call is transferred to the Neckloop.
User initiated Reconnect	ON (idle)	ON (not connected)	Press and Release the Multi-Function Button, the neckloop will try to reconnect to the last connected device.

***Notes: If the link disconnects (for example, the device is out of range) the neckloop tries to re-establish the link.***

The neckloop will automatically try to connect to the last connected phone when Powered On for the first 90 seconds.

## LED INDICATOR

**Low Battery:** once the voltage is lower than 3.4V, the LED indicator will turn red.

### LED Indicator status with No Charger Attached

LED Status	Neckloop Action
OFF	Power OFF
ON (Steadily)	Pairing Mode
10 Rapid Flashes	Pairing Successful
Flashes at 3 second intervals ( 0.1 seconds ON, 2.9 seconds OFF)	Standby (No Audio Connection)
Flashes at 8 second intervals (2.0 seconds ON, 6.0 seconds OFF)	Connected to Audio

### LED Indicator status with Charger Attached

LED Status	Neckloop Action
OFF	Charging Complete
ON (Steadily)	Charging

*Note: When the neckloop is paired to the phone and there is no operation for five (5) minutes, the blue flashing LED turns off to save battery and to make the wearer less conspicuous. To confirm the CLA7BT is on, press and release the Multi-Function button on the neckloop resets the timer, and the flashing resumes.*

## AUDIO TONES

Audio Tone	Neckloop Action
Series of 4 tone (low to high)	Power ON
Series of 4 tones (high to low)	Power OFF



Audio Tone	Neckloop Action
Single High Tone	Pairing Successful
Ring Tone	Incoming Call
Single High Tone	End Call
5 Rapid High tones repeated every 20 seconds	Battery Low
No Audio Indication (deteriorating audio quality)	Out of Range
Single Low Tone (depends on phone)	Initiate Voice Activation
Dual HI/LOW tone if supported by the phone.	Voice tag not recognized
5 Rapid tones repeated every 60 seconds after the phone goes out of network service for more than 20 seconds.	No Network/Services (handsfree profile)

## USING YOUR CLA7BT AS A PERSONAL AUDIO NECKLOOP

Your ClearSounds CLA7BT can also be used as an amplified Audio Neckloop with any audio or other device that supports standard Bluetooth connections. Follow the same pairing methods as was done when pairing with a cell phone and follow the pairing instructions for your audio device. Your cell phone or audio device may need to have a connection to the CLA7BT activated when switching between devices or there can be an automatic connection, check with your various Bluetooth devices for their method of operation.

# TROUBLESHOOTING GUIDE

## No Sound

- 1 Make sure Hearing Aid T-coil is turned on and functional.
- 2 Battery may be dead.
- 3 Verify that the Quick Disconnect is fully seated.
- 4 Verify that the CLA7BT is turned on.
- 5 Verify that the phone or audio device is turned on.
- 6 Check to verify that the CLA7BT is paired and connected with the device.

## Weak Sound

- 1 Weak battery.
- 2 Turn up the volume on the CLA7BT.
- 3 Turn up the volume on the phone.
- 4 Check your hearing aid – weak battery.
- 5 Check your hearing aid – weak or non-functional t-coil

The CLA7BT Amplified Powered Neckloop has been designed to give you years of dependable service. To ensure the utmost in performance, follow these guidelines in caring for your CLA7BT Neckloop:

- 1 Keep the unit out of the reach of small children.

- 2 If the CLA7BT is not in use do not store the CLA7BT with battery uncharged for an extended length of time.
- 3 Store your CLA7BT in a dry place.
- 4 Do not expose your CLA7BT to excessive moisture, humidity or steam.
- 5 Avoid dropping or knocking the unit.
- 6 Avoid electric shock by keeping the CLA7BT away from water (i.e. bathroom, kitchen sink, etc.)
- 7 Keep the battery in your CLA7BT charged and be aware that your CLA7BT will stop functioning when the batteries are not charged.
- 8 Do not clean with harsh chemicals, cleaning solvents or abrasive detergents. To clean, wipe with a soft cloth slightly dampened in a mild soap-and-water solution.

## **Specifications**

### **Maximum Gain:**

- 30dB in Wide band (300 to 3400Hz)
- Up to 40+dB with full cellular volume or other type device at full volume.
- Dimensions:
- Base Size: 2.5" X 1.25" X .75"
- Weight: 0.10 lbs.

- Power Requirements:
- Batteries: Rechargeable Li-Ion Battery – Included

## **LIMITED ONE-YEAR WARRANTY**

The neckloop is warranted by ClearSounds against manufacturing defect in material and workmanship under normal use for one (1) year from the date of purchase. Charging Components are warranted by ClearSounds® against manufacturing defect in material and workmanship for a period of ninety (90) days. Should you experience a problem, contact our customer service department or visit our website at [www.clearsounds.com](http://www.clearsounds.com).

Be sure to save your sales receipt as proof of purchase date should you need warranty service.

Within a period of one year from purchase date, ClearSounds Communications® will repair or replace (our discretion) your neckloop, if a defect in materials or workmanship is found. If we elect to replace your neckloop, we may replace it with a new or reconditioned product of the same or similar design. Repair or replacement will be warranted for a period of 90 days or the remainder of the warranty period (from original purchase date), whichever is

longer. Charging components will be warranted for a period of 90 days from date of purchase. If we elect to repair the Charging Components, repair or replacement will be warranted for a period of 30 days or the remainder of the warranty period (from original purchase date), whichever is longer.

The warranty does not cover accidents, negligence or breakage to any parts. This includes shipping damage, failure to follow instructions, misuse, fire, floods, use of incompatible accessories, Acts of God or failure in your phone service carrier's line service. The product must not be tampered with or taken apart by anyone who is not an authorized ClearSounds Communications® representative. Tampering with the neckloop will void any written or implied warranties.

ClearSounds Communications® shall not be responsible for loss of time, inconvenience, loss of use of your neckloop, property damage by the neckloop or any consequential damages.

Shipping cost must be prepaid and the product must be packaged appropriately for shipping.

***IMPORTANT: YOUR RECEIPT IS PART OF YOUR WARRANTY AND MUST BE RETAINED AND PRODUCED IN THE EVENT OF A WARRANTY CLAIM.***

**Service in United States  
ClearSounds Communications**

Attention: Repair Center  
1743 Quincy Avenue, Suite 155  
Naperville, IL 60540  
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800-965-9043

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