



## A Message from the President

Congratulations on purchasing an Anchor Audio sound system, the choice of thousands of satisfied customers including the White House, prestigious universities, school districts nationwide, police and fire departments, and all branches of the U.S. Military. Our products are made of the finest materials and built with pride in the U.S.

We've incorporated the latest technology into your sound system yet kept it simple to use. Just take a few minutes to review this manual to ensure the maximum enjoyment of your Anchor system. Or, you can view a demonstration video complete with a trouble shooting section at [www.anchoraudio.com](http://www.anchoraudio.com).

Feel free to call our friendly customer support staff at 1-800-ANCHOR1 with any questions. We love to hear from our customers.

Janet Jacobs, President  
on behalf of all Anchor employees

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For System Setup & Operation Videos Visit Our Website: [www.anchoraudio.com](http://www.anchoraudio.com)

## GETTING STARTED

Please check your new unit carefully for any damage which may have occurred during shipment. Each Anchor product is carefully inspected at the factory and packed in specially designed boxes for safe transport.

Notify the freight carrier immediately of any damage to the shipping box or product. Repack the unit in the original box and wait for inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

**NOTE:** All damage claims must be made with freight carrier!

## RETURNING SYSTEMS FOR SERVICE OR REPAIR

For service or repair, please contact the dealer you purchased your system from, call us at 1-800-262-4671, or visit [www.AnchorAudio.com](http://www.AnchorAudio.com), Contact Us page. Our tech support team will issue an RA number for warranted systems, after which, you can ship the item(s) to Anchor for repair. All shipments to Anchor Audio must include an RA number and must be shipped prepaid. C.O.D. shipments and shipments without an RA number will be refused and returned at your expense.

**IMPORTANT:** Save the shipping box & packing materials, they were specially designed to ship your unit!



## BASIC SYSTEM OPERATION

**NOTE: Fully Charge Batteries Before First Use!**

1. Open Line Array (*below*)
2. Set all Input Levels to minimum & Tone Controls to flat (*middle*) setting
3. Plug wired microphone into the MIC 1 or MIC 2 jacks and/or any audio source into the LINE-IN jacks
4. Switch POWER to ON, Power ON LED will light
5. Slowly increase Level Controls for active Input Jacks to desired volume
6. Adjust Tone Controls for desired sound quality

**IMPORTANT: Make all connections with shielded cables to avoid hum, buzzing or interference.**

### OPENING BEACON LINE ARRAY

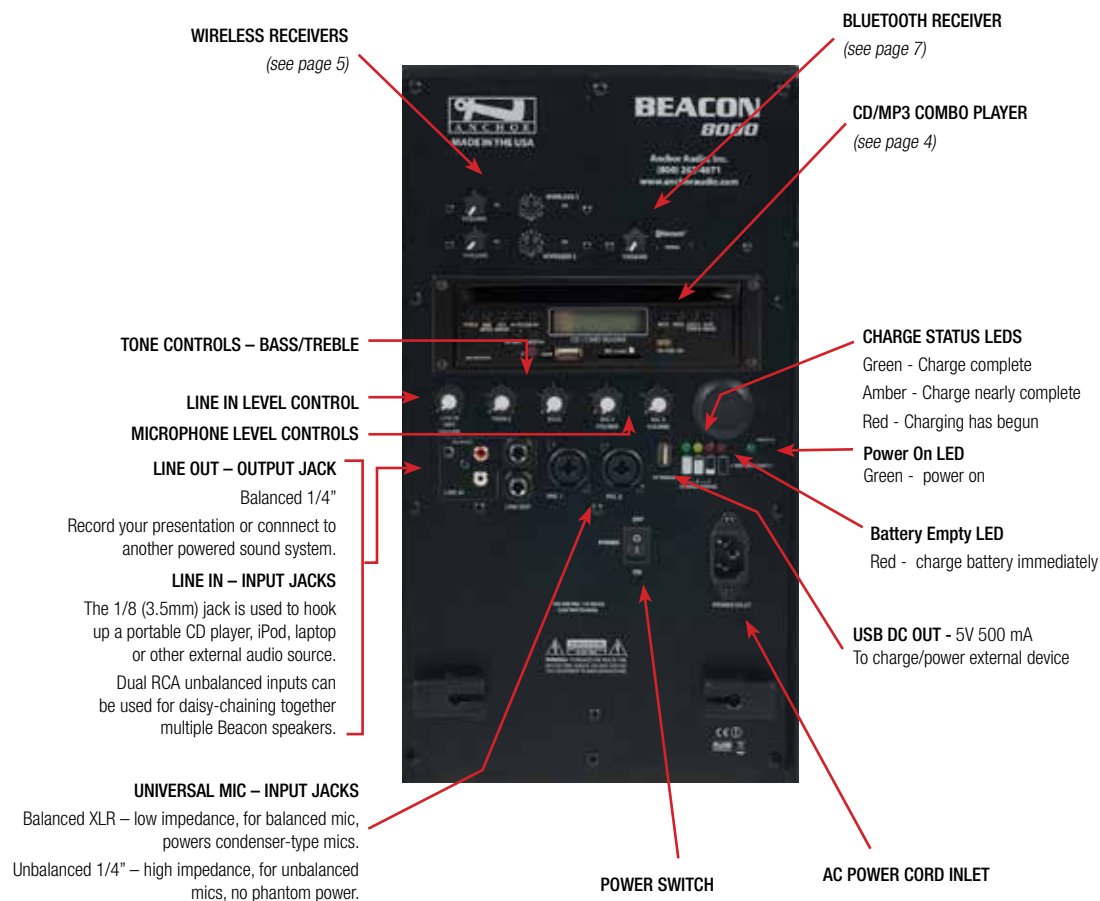
1. Open Array latches
2. Grasp handle and remove Array from base
3. Turn Array over and place on top of base
4. Close Array latches
5. Slowly flip Array Tower up until locked securely into place

**IMPORTANT: Latches MUST be locked and grill MUST face forward for system to work!**

### CLOSING BEACON LINE ARRAY

1. Turn POWER to OFF
2. Fold Array in half (apply slight pressure)
3. Open latches and remove folded Array
4. Turn Array over grasp handle and slide into base
5. Close Array latches

## BACK PANEL OF BEA-8000CU2

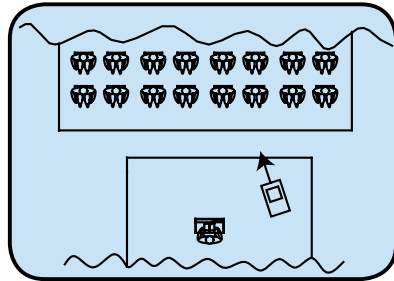




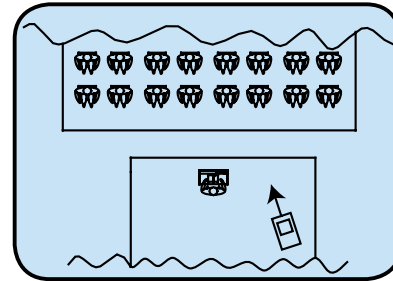
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## BEACON ARRANGEMENT

### CORRECT SYSTEM PLACEMENT



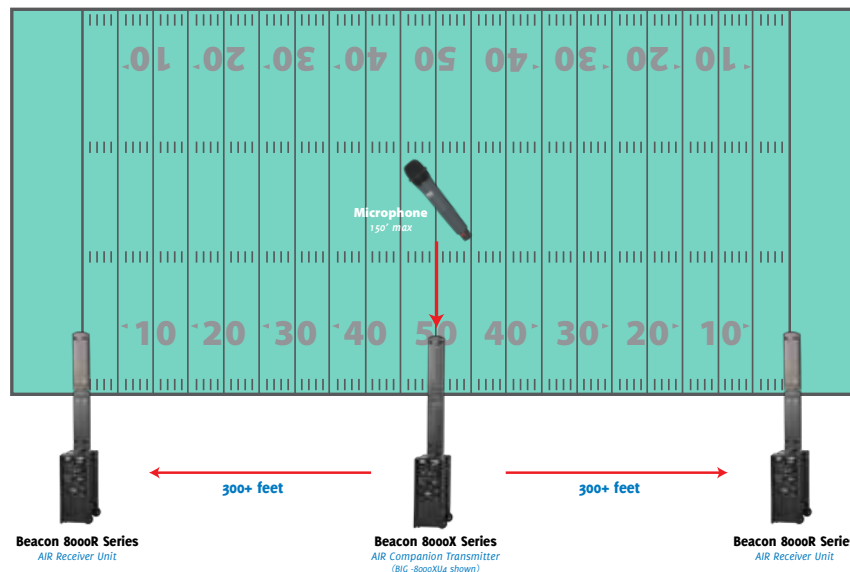
### WRONG SYSTEM PLACEMENT



## BEACON AIR ARRANGEMENT

AIR receiver units can be placed within 300+ feet from the main unit without experiencing latency and/or breaking wireless connection. When setting up your Anchor AIR system make sure to place the main transmitter unit in the center so the AIR receiver units are on either side of the system. It is recommended to face all systems the same direction as facing systems at each other can result in feedback or distortion.

### Anchor AIR System Arrangement



## CONTROLLING FEEDBACK

Feedback, a howling noise or shrill sound, is self-generated by the sound system. It's caused by a microphone picking up the sound coming from the speaker and then re-amplifying it. Once a feedback loop starts, it continues until the system is adjusted.

## FEEDBACK CAUSES

- Microphone too close, pointing towards or in front of speaker
- Volume setting is too loud for room
- Sound reflecting off hard surfaces

## AVOIDING & ELIMINATING FEEDBACK

- Point microphone in a different direction
- Keep microphone away from the speaker
- Place speaker in FRONT of the microphone
- Reduce the sound system volume levels

**CAUTION:** Feedback can damage your equipment & may be hazardous to hearing.



## USING THE BUILT-IN AIR TRANSMITTER AND AIR WIRELESS COMPANION SPEAKER

### 1. Wireless Connection

#### Beacon Main Unit

1. Connect provided external antenna
2. Power on main unit
3. Power on AIR Companion Transmitter
4. Adjust volume knob on back panel as needed



#### Beacon AIR Receiver Unit

1. Connect provided external antennas
2. Power on receiver unit
3. Power on AIR Companion Receiver(s)
4. Adjust volume knob on back panel as needed

**NOTE:** Verify both AIR Companion Transmitter and AIR Companion Receiver(s) are synchronized to the same channel. Default frequency setting is 902.000. This can be changed as needed. See Changing Frequency below.



#### Changing Frequencies on AIR Companion Transmitter and AIR Companion Receiver(s)

- Using pointed edge tool, hold **SET** button for 2 seconds. Digital display will blink.
- Press **UP** or **DOWN** to select the desired frequency.
- Press **SET**, or wait 10 seconds for selection to confirm.

### 2. Connecting Systems with Assistive Listening Beltpack Receiver(s)

Quick System Setup Instruction – Beacon main unit with AIR Companion Transmitter and ALB-9000

1. Follow instructions to set up AIR Companion Transmitter
2. Install 2 AA 1.5V batteries in beltpack
3. Extend antennas for maximum reception
4. Plug in headphones
5. Power on ALB-9000
6. Adjust volume as needed

**NOTE:** Verify both AIR Companion Transmitter and ALB-9000 are synchronized to the same channel. Default frequency setting is 902.000. This can be changed as needed. See Changing Frequency in Step 1.





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## FREQUENTLY ASKED QUESTIONS

### **Q: How does the AIR wireless connection work?**

A: Simple! The 8000X series includes a built-in transmitter - as designated by the X. An 8000R series includes a built-in receiver - as designated by the R. The transmitter and receivers operate on the 902 – 928 MHz frequency, with 100 user-selectable channels. When set to the same channel, the receivers pick up the audio signal from the transmitter.

### **Q: Can I use multiple AIR receiver speakers in one set up?**

A: Yes, absolutely. Any 8000X series can transmit to an unlimited number of AIR receiver speakers. All units should be set to the same frequency to receive signal. When setting up your arrangement, be sure to point the systems facing the same direction – pointing the systems directly at one another may cause distortion. AIR units can be placed 300+ feet (or more in ideal conditions) from the transmitting main unit.

### **Q: I am experiencing interference on all channels. Can I connect with a cable instead of the wireless connection?**

A: Yes! All Beacon AIR units are main units, with either a transmitter or receiver(s) built-in. Main units can be daisy-chained to one another by using the line out to line in jack. The units must have charged batteries, and will not work if batteries are dead.

### **Q: What is the range of the AIR wireless connection?**

A: Each AIR receiver speaker can be placed up to 300+ feet from the main unit transmitter. In ideal conditions, you can place the systems further, however, be aware of physical latency and/or interference. If you are using multiple AIR systems, be sure to center the main unit between all AIR companions.

### **Q: I am experiencing interference with my AIR wireless connection, what can I do?**

A: Oh no! You have a few options. First, try to change the channel. There are 100 channels to choose from, so be sure to try various frequencies to find a clear channel. You should also double check that your speakers are close enough together to have a strong signal. Be sure all your batteries are fully charged. Additionally, verify your inputs all have a clear signal (such as a wireless microphone, cables, and Bluetooth). Lastly, you can try adjusting the external antennas for a better connection. These fixes may not work for everyone, as there are occasional signals which cannot be avoided (for example being close to a high-power cell tower). If none of these fixes work, please call us. We are happy to help!

### **Q: Since the Anchor Audio Assistive Listening Devices are also on 902 – 928 MHz, can they work together to create a simple and reliable ADA compliant sound system?**

A: Actually, yes! All 8000X series units will transmit to the AIR companion speakers as well as the ALB-9000 Assistive Listening beltpack(s). Since all systems are shipped out by default on the 902.000 channel, simply power on your transmitter and receivers (beltpacks and AIR wireless companion), and you instantly have an ADA compliant sound system. Did you know that ADA requirements mandate compliant assistive listening systems for any theater using audio amplification or with a capacity of at least 50 audience members? Try this set up for the easiest solution.

## Useful Information

1. AIR Receiver Units can be placed 300+ ft. from main unit.
2. Main unit must have built-in AIR Companion Transmitter (BEA-8000X series).
3. Main unit can support unlimited number of AIR Receiver Units.
4. Although AIR has volume control, main unit volume will raise or lower AIR volume.
5. Transmitter may create audible white noise.
6. When using 2+ transmitters, larger channel spacing should reduce interference.
7. Do not place 2+ transmitters close to one another while set to the same channel.
8. Certain high powered cell towers can cause background noise on the sound system. We recommend locating the sound system at least 50 feet from the tower or adjusting locations to minimize the noise.



## USING THE BUILT-IN CD/MP3 COMBO PLAYER

Your CD/MP3 combo player supports WMA and MP3 files, as well as CD, CD-R, CD-RW, and MP3 disks. Input slots for play are CD, USB, SD card slot, and AUX port for other music player devices.

Turn on with the POWER button and then insert the memory card, USB or CD. Push CD/SD/USB button until your device is displayed. The auxiliary port becomes active when the 3.5mm cable is inserted.



*\*The Beacon built-in CD/MP3 combo player comes with remote.*



### REMOTE CONTROL

*\*Remote follows same functions as CD/MP3 combo player*

### The LCD functions as used:

- POWER:** Press once for ON or OFF
- CD/USB/SD:** Press to change the mode of operation
- REV:** Press to select the previous track. Press and hold to reverse track
- F.WD:** Press to select the next track. Press and hold to fast forward track
- PLAY/PAUSE:** Press once for PLAY or PAUSE
- MUTE:** Press once for mute ON and again to mute OFF
- STOP/EJECT:** Press once to stop playing music. Press twice to stop and eject disk
- FOLDER ►►:** Select next folder (MP3 format only)
- FOLDER ◄◄:** Select previous folder (MP3 format only)
- SHU./ENTER:** Press once to play tracks randomly. "SHUFFLE" will show on the LCD. When used with the PROGRAM function, it acts as the confirmation key.
- PROGRAM:** Press to set the programming mode. Press once so the LCD shows "PROGRAM". To navigate the different folders, press the FOLDER buttons (MP3 format only), and to navigate the songs press the SKIP buttons. Press SHU./ENTER to select the desired songs. When finished selecting, press PLAY/PAUSE. The LCD will show "MEMORY" and will begin to play. To cancel the PROGRAM mode select PROGRAM again.
- REPEAT:** Press until the desired repeat playing function is displayed on the LCD. REPEAT 1 will repeat the present song REPEAT ALL will repeat all songs. REPEAT FOLDER will repeat all the songs in the folder (MP3 format only). No LCD display means the repeat playing function has been canceled.



## DIVERSITY WIRELESS BY ANCHOR AUDIO

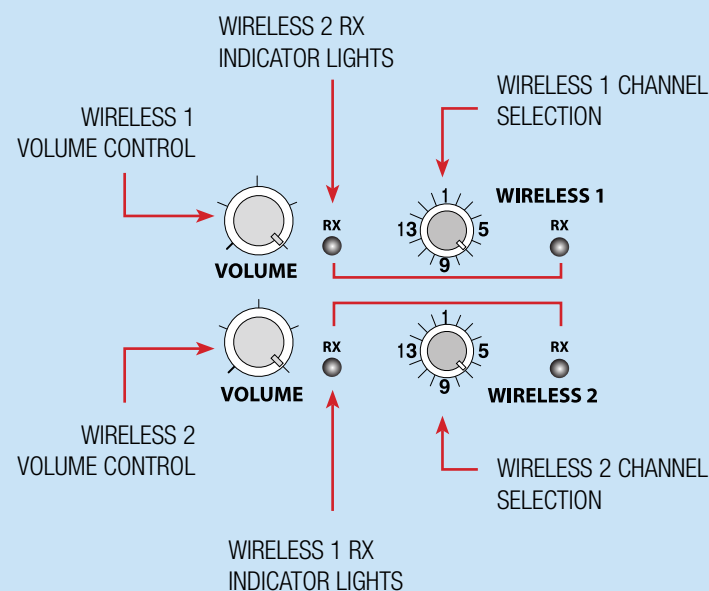
Anchor Audio UHF wireless is a 16 channel, diversity wireless system that receives signals with two independent antennae. With diversity wireless the receiver processes the stronger signal, effectively minimizing dropouts and interference from other transmitting sources. The antennae are mounted internally so there are no obstructions or risk of damage. The wireless operates between 540 - 570 MHz, as of August 1, 2014.

### CHANNEL SELECTION - BUILT-IN RECEIVER

Select a channel, set the built-in receiver & microphone transmitter to that channel before using your wireless system.

1. Choose any available wireless channel from 1 thru 16  
(see page 6 for transmitter instructions)
2. Set the Wireless Channel Selection Knob to the channel you choose in step 1

If you have two wireless receivers repeat above for the second receiver. Remember, each receiver/transmitter pair must be set to different channels to avoid interference.



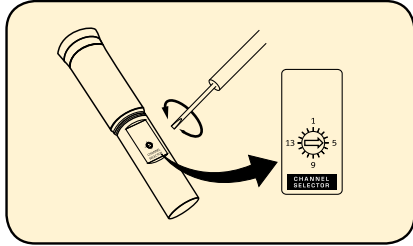
**NOTE: Ongoing wireless interference? The frequency you selected may be in use by other systems in the area!  
Change channels until you find a clear frequency!**



## OPERATING THE WIRELESS MICROPHONE/TRANSMITTER

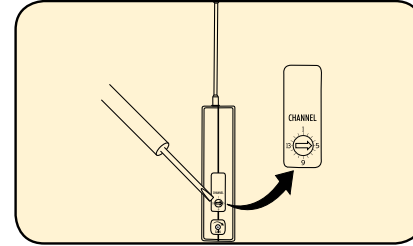
### CHANNEL SELECTION - HANDHELD TRANSMITTER

1. Unscrew battery cover on bottom of microphone
2. Set the CHANNEL SELECTOR dial to match the channel setting of your receiver
3. Replace battery cover and tighten firmly



### CHANNEL SELECTION - BODY-PACK TRANSMITTER

1. The channel selection dial is located on the side of the transmitter
2. Set the CHANNEL selection dial to match the channel setting of the receiver



**NOTE:** When using dual wireless, each microphone must be set to a different channel!

### USING YOUR WIRELESS MICROPHONES

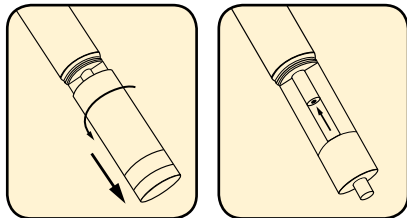
After you have set the transmitter channel (see above) you are ready to use your wireless microphone:

1. Body-pack transmitter users must insert the mic plug into the transmitter jack marked MIC
2. Push the transmitter power button for two seconds until ON (The red LED will stay on when the mic is turned on. If the red LED flashes, the battery is low)
3. Turn the Beacon power switch to ON
4. The RX indicators will light (*only one indicator will light at a time*) when the wireless signal is being transmitted and received

**CAUTION:** Harmful feedback may occur when walking in front of a sound system or speaker with a wireless microphone. Always point microphone away from speakers!

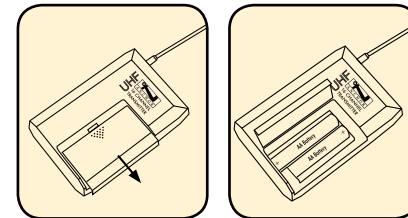
### REPLACE BATTERY - HANDHELD TRANSMITTER

1. Unscrew battery cover on bottom of microphone
2. Replace old batteries with two fresh size 'AA' alkaline batteries
3. Replace battery cover and tighten firmly



### REPLACE BATTERY - BODY-PACK TRANSMITTER

1. Slide open battery cover on front of transmitter
2. Replace old batteries with two fresh size 'AA' alkaline batteries
3. Replace battery cover by sliding firmly into place







## OPERATING THE BLUETOOTH TRANSMITTER

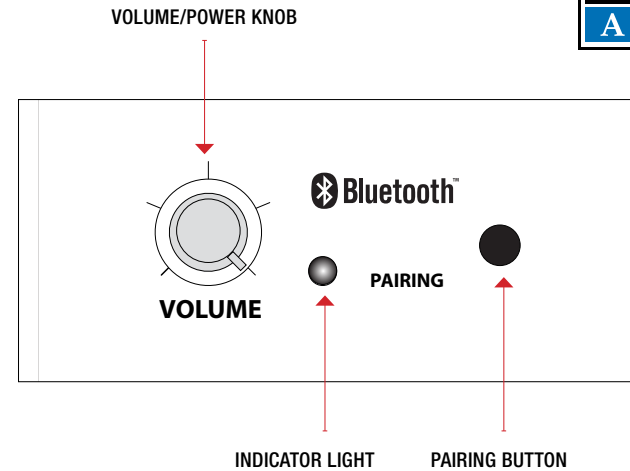
### POWERING UP THE BLUETOOTH

1. Turn on the Bluetooth with the volume knob (it will make a boot up noise).
2. Before hooking up your device, take a moment to go over what the different LED light signals mean:
  - a. **No light:** indicates either Bluetooth is off, or it is in sleep mode, and cannot connect
  - b. **Blinking light:** indicates pairing mode, this is when you should connect
  - c. **Solid light:** indicates connection, your device is connected

### PAIRING A DEVICE

1. Press the pairing button (it will acknowledge pairing mode with a beep) this mode will last 90 seconds. If no device is paired within the 90 seconds, the Bluetooth will enter sleep mode.
2. When the Bluetooth module is in pairing mode, it is discoverable and will show up on the selection list of your Bluetooth enabled device.
3. Select the Bluetooth titled "Anchor Audio" to pair your device with the Anchor Audio Sound System.
4. If a previously paired device is in range and discoverable, the unit should automatically make a connection, however this may depend on your individual device.
5. When the device has successfully connected to the Bluetooth, the Bluetooth module will beep to signify connection and the Blue LED will become solid.
6. Now you can play audio from your Bluetooth device to the Anchor Audio Portable Sound System. You can adjust volume by using the Bluetooth module's knob, as well as the volume control on your device.

**NOTE:** All Anchor Audio Sound System Bluetooth connections will be named "Anchor Audio", so if your using multiple systems, be sure to keep track of each connection.



### Frequently Asked Questions:

#### **What is the range of Anchor Audio Bluetooth?**

The Anchor Audio Bluetooth range is 100 ft. line of sight.

#### **My Sound System is auto-connecting to a device, but I don't know which one. Can I disconnect directly from the Sound System?**

Yes, if your unit is auto-connecting to a device that you cannot identify (because for example, you're in a room with other people who have connected to the unit in the past), you may need to manually disconnect that pair from the Sound System itself. Just hold the 'pairing' button for two seconds, and the Sound System will disconnect from the device it is currently connected to, and immediately go into pairing mode.

#### **What kind of modes can my phone be in that allow the Bluetooth connection to still work?**

Bluetooth will work in modes such as Airplane mode and Do Not Disturb (or the equivalent). Just be sure to still have your Bluetooth setting turned on. To simplify the process, put your phone in the desired mode first, and then secure the Bluetooth connection, as moving into these modes may cause disconnection.

#### **What happens if I get a phone call?**

Incoming and outgoing calls should pause the audio stream. The audio from the call should not be transmitted via Bluetooth. To avoid interrupting audio, set device in Airplane mode, then enable Bluetooth, ensure your connected, and you should not encounter any interruptions in your audio stream.

*\*Bluetooth connection and behavior may depend on your individual device settings and capabilities, all testing was done using an Apple iPhone.*



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## BATTERY REPLACEMENT

The batteries must be replaced every 2 – 3 years depending on usage over time. Call Anchor Audio at 800.262.4671 to order batteries.

To replace your batteries you will need a Phillips screwdriver and follow these procedures:

1. Be sure the power switch is in the OFF position
2. Remove the screws in the lower cover panel of the Beacon and remove cover
4. Remove the batteries from the battery compartment and unclip each battery connection cable
5. Connect each new battery to the connection cable (black to black, red to red) and inserts batteries into compartment
6. Replace screw in cover panel

## SYSTEM STORAGE & BATTERIES

Fully charge batteries before storage. For extended periods of storage either leave system plugged into an AC outlet or charge the system at least once each month for a minimum of 24 hours.



## BUILT-IN BATTERY MAINTENANCE

To preserve battery life the built-in batteries MUST be FULLY charged before the first use. Regardless of length of operation, it is recommended that batteries be fully charged as soon as possible after each use.

## AC OPERATION & BATTERY CHARGING

Beacon Sound Systems include an automatic charging system designed to properly charge and maintain the systems built-in batteries. To charge batteries plug the system into an AC outlet and operate as normal while built-in batteries are charging. The CHARGE STATUS LED will light when charging. Bright red indicates charge process has begun. Amber indicates the charge process is almost complete, and green indicates full battery. It takes approximately 7 hours to charge the completely drained Beacon batteries.

## BATTERY SERVICE TIME

Fully charged batteries will yield approximately 6 – 8 hours of continuous music at medium volume level (*2 – 4 hours at full volume or longer for speech only*). However, service times vary depending on control settings and use of accessories.

BATTERY COMPARTMENT

Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.



NOTE: System Can Be Used During Charging!



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### General Warning or Caution

The Exclamation Symbol in the figure above appears in Warning and Caution tables throughout this document. This symbol designates an area where personal injury or damage to the equipment is possible.



Electrical Shock Symbol

### Electric Shock

The Electrical Shock Symbol in the figure above appears throughout this manual. This symbol indicates a hazard arising from dangerous voltage. Any mishandling could result in irreparable damage to the equipment, and personal injury or death.



Figure Protective Conductor Terminal Symbol

### Protective Conductor Terminal

The Electrical Shock Symbol in the figure above appears throughout this manual. This symbol indicates a hazard arising from dangerous voltage. Any mishandling could result in irreparable damage to the equipment, and personal injury or death.



### European Union CE Mark European Union CE Mark

The presence of the CE Mark on Anchor equipment means that it has been designed, tested and certified as complying with all applicable European Union (CE) regulations and recommendations.



Figure Alternating Voltage Symbol

### Alternating voltage symbol

The presence of the CE Mark on Anchor equipment means that it has been designed, tested and certified as complying with all applicable European Union (CE) regulations and recommendations.



Figure Fuse Symbol

### Fuses

The fuse symbol in the figure above identifies the fuse location on the Anchor System. (Not required if not user replaceable)



Figure On Symbol

### On Symbol

The On Symbol in the figure above represents a power switch position on the Anchor System. This symbol represents a Power On condition.



Figure Off Symbol

### Off Symbol

The Off Symbol in the figure above represents a power switch position on the Anchor System. This symbol represents a Power Off condition.



Figure WEEE Directive Symbol

### Waste Electrical and Electronic Equipment (WEEE)

This symbol on the product or on its packaging indicates that this product must not be disposed of with regular waste. Instead, it is the user responsibility to dispose of waste equipment according to the local laws. The separate collection and recycling of the waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For information about where the user can drop off the waste equipment for recycling, please contact your local Anchor representative. See Section for instructions on how to disassemble the equipment for recycling purposes.

### Inspection for Damage

The Model Beacon is carefully packaged at the factory to minimize the possibility of damage during shipping. Inspect the box for external signs of damage or mishandling. Inspect the contents for damage. If there is visible damage to the instrument upon receipt, inform the shipping company and Anchor Inc. immediately.



### Inspection for Damage

Do not attempt to operate this equipment if there is evidence of shipping damage or you suspect the unit is damaged. Damaged equipment may present additional hazards to you. Contact Anchor technical support for advice before attempting to plug in and operate damaged equipment.

### Electrical Requirements

Before attempting to power up the unit for the first time, the following precautions must be followed:



### WARNING

To avoid electric shock, connect the instrument to properly earth-grounded, 3-prong receptacles only. Failure to observe this precaution can result in severe injury.

*Have a qualified electrician verify the wall socket that will be used is properly polarized and properly grounded.*

**Warning:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture, apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

The apparatus connected to a main socket outlet with a protective earthing connection. For Nordic markings refer to copy of marking label.

The plug in the power cord is the AC mains disconnected device and must remain readily operable. – minimum distances around the apparatus for sufficient ventilation; the ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.; no naked flame sources, such as lighted candles, should be placed on the apparatus.

-Equipment may be located above or below this apparatus, but some equipment (like large amplifiers) may cause an unacceptable amount of hum or may generate too much heat and degrade the performance of this apparatus.



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## Important Safety Instructions

- 1) Read Instructions – All the safety and operation instructions should be read before the product is operated.
- 2) Retain Instructions – The safety and operating instructions should be retained for future reference.
- 3) Heed Warnings- All warnings on the product and in the operating instructions should be adhered to.
- 4) Follow Instructions – All operating and use instructions should be followed.
- 5) Cleaning – Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.  
Exception: A product that is meant for uninterrupted service and that for some specific reason, such as the possibility of the loss of an authorization code for the CATV converter, is not intended to be unplugged by the user for cleaning or any other purpose, may exclude the reference to unplugging the product in the cleaning description otherwise in above 5).
- 6) Attachments – Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7) Water and Moisture – Do not use this product near water – for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- 8) Accessories – Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
- 9) A product and cart combination should be moved with care. Quick stop, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- 10) Ventilation – Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a build-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 11) Power Sources – 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 product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 12) Grounding or Polarization – This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.
- 13) Power-Cord Protection – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- 14) Protective Attachment Plug – The product is equipped with an attachment plug having overload protection. This is a safety feature. See Instruction Manual for replacement or resetting of protective device. If replacement of the plug is required, be sure the service technician has used a replacement plug specified by the manufacturer that has the same overload protection as the original plug.
- 15) Outdoor Antenna Grounding – If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure grounding of the lead in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection of grounding electrodes, and requirements for the grounding electrode. See Figure A.
- 16) Lightning – For added protection this product during lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- 17) Power Lines – An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- 18) Overloading – Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- 19) Object and Liquid Entry – Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- 20) Servicing – Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 21) Damage Requiring Service – 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.
  - b. If liquid has been spilled, or objects have fallen into the product.
  - c. If the product has been exposed to rain or water.
  - d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
  - e. If the product has been dropped or damaged in any way.
  - f. When the product exhibits a distinct change in performance – this indicates a need for service.
- 22) Replacement Parts – When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- 23) Safety Check – Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operation condition.
- 24) Wall or Ceiling Mounting – The product should be mounted to a wall or ceiling only as recommended by the manufacturer.
- 25) Heat – The product should be situated away from heat sources such as radiators, heat registers, stoves, or other products (including amplifiers) that produce heat.



SIX YEAR WARRANTY

## HAVING TROUBLE WITH YOUR SOUND SYSTEM?

CONDITION	POSSIBLE SOLUTION
No Sound ( <i>power LED off</i> )	<ul style="list-style-type: none"> <li>• turn POWER switch ON</li> <li>• charge battery or plug in AC cord</li> <li>• safety shut down if unit overheats, turn volume lower &amp; turn speaker ON</li> </ul>
No Sound ( <i>power LED on</i> )	<ul style="list-style-type: none"> <li>• check for output from source</li> <li>• make sure all cables are completely plugged in</li> <li>• turn up volume control of input used</li> <li>• remove plug from speaker output if not using external speaker output</li> </ul>
Shortened Battery Life	<ul style="list-style-type: none"> <li>• charge battery fully; if battery life continues to deteriorate, contact Anchor Audio customer service: 800.262.4671</li> </ul>
Distorted Sound	<ul style="list-style-type: none"> <li>• lower system volume control</li> </ul>
Excessive Hum or Noise	<ul style="list-style-type: none"> <li>• use shielded cables</li> <li>• use balanced microphone</li> </ul>

### HAVING TROUBLE WITH YOUR WIRELESS SYSTEM? (*Wireless Models Only*)

CONDITION	POSSIBLE SOLUTION
No Sound ( <i>RX Indicator: ON</i> )	<ul style="list-style-type: none"> <li>• set MUTE switch to on (<i>handheld mic only</i>)</li> <li>• turn up WIRELESS volume control</li> <li>• make sure mic is plugged into body pack transmitter</li> </ul>
No Sound ( <i>RX Indicator: OFF</i> )	<ul style="list-style-type: none"> <li>• push mic power button</li> <li>• turn Beacon POWER switch on</li> <li>• make sure transmitter power switch is on</li> <li>• set receiver and transmitter to same channel</li> <li>• replace battery in transmitter</li> </ul>

NEED MORE HELP? Beacon Sound System Setup & Operation Videos!  
Visit Our Website: [www.anchoraudio.com](http://www.anchoraudio.com)

## BEACON TECHNICAL SPECIFICATIONS

Rated Power Output	150 watts AC / 125 watts DC	Mic Inputs:	Lo-Z (1 K $\Omega$ ), balanced, XLR
Max SPL @ Rated Power	120 dB		12 VDC condenser mic (phantom)
Battery	Two 12V rechargeable, 9.0 AH	power	
	Full recharge: approx 7 hrs		Hi-Z (10 K $\Omega$ ), unbalanced, 1/4" phone
Frequency Response	60 Hz – 15 kHz $\pm$ 3dB		Hi-Z (10 K $\Omega$ ), unbalanced, 1/8" stereo
Line Output (post fader)	isolated, 600 $\Omega$ , 1/4" phone	Line In	unbalanced, stereo RCA
AC Power Reqs.	100 – 240 VAC, 50/60 Hz, 300W max	Sensitivity For Rated Output	
USB	5V 500mA	Lo-Z Microphone	-52 dBV (2.5 mVrms)
Dimensions (HWD)	26.25" x 11" x 18" (66.7 x 28 x 45.7cm)	Hi-Z Microphone	-43 dBV (7.5 mVrms)
Weight	51 lbs / 23 Kg	Auxiliary (line)	-14 dBV (200 mVrms)
		Phantom Power	36V



(Specifications Subject to Change Without Notice)

## Anchor Audio Warranty

Anchor Audio products are warranted to be free from defects in materials and workmanship for the period of SIX (6) YEARS from the date of original purchase unless listed below, which are warranted for a period of TWO (2) YEARS:

- All wired and wireless microphones, beltpack transmitters, base station transmitters, base station receivers, and hands-free microphones
- Rechargeable batteries
- All woodworking
- CouncilMAN microphones and bases
- PortaCom and ProLink 500 systems in their entirety
- Assistive Listening systems in their entirety
- Accessories, cables, cases, and covers

Warranties are subject to the following conditions:

- Product must have been purchased from an authorized Anchor Audio Dealer
- Anchor Audio must perform or authorize all warranty services or warranty is void
- Warranty is void when equipment is subjected to negligent use, connection to improper power sources, misuse, and operation beyond specifications and limits
- Warranty shall not apply to exterior finish, AC power cords, bulbs, or any other failings due to normal wear
- Warranty is void when equipment is subjected to adverse temperature, humidity, moisture, or any condition not considered normal environmental conditions
- Products out of warranty cannot be repaired by Anchor Audio

To locate an authorized dealer near you, please contact [sales@anchoraudio.com](mailto:sales@anchoraudio.com). Please contact Technical Support at [www.AnchorAudio.com/technical-support-form.html](http://www.AnchorAudio.com/technical-support-form.html) to with any questions, to begin the Return Authorization process, or to verify your warranty period.

**ANCHOR AUDIO CUSTOMER SERVICE**  
**800.262.4671**  
**FOR ADDITIONAL INFORMATION**  
**visit [www.anchoraudio.com](http://www.anchoraudio.com)**