

HAVING TROUBLE W/ YOUR SOUND SYSTEM?

CONDITION

No Sound (power LED off)

POSSIBLE SOLUTION

- turn POWER switch ON
- charge battery or plug in AC cord
- safety shut down if unit overheats, turn volume lower & turn speaker ON
- check for output from source
- make sure all cables are completely plugged in
- turn up volume control of input used
- remove plug from speaker output if not using external speaker output
- charge battery fully; if battery life continues to deteriorate, contact Anchor Audio customer service: (888) 444-6077
- lower system volume control
- use shielded cables
- use balanced microphone

No Sound (power LED on)

Shortened Battery Life

Distorted Sound

Excessive Hum or Noise

HAVING TROUBLE W/ YOUR WIRELESS SYSTEM? (WIRELESS MODELS ONLY)

CONDITION

No Sound (RX Indicator: ON)

POSSIBLE SOLUTION

- set MUTE switch to on (handheld mic only)
- turn up WIRELESS volume control
- make sure mic is plugged into body pack transmitter
- push mic power button
- turn Beacon POWER switch on
- make sure transmitter power switch is on
- set receiver and transmitter to same channel
- replace battery in transmitter

No Sound (RX Indicator: OFF)

NEED MORE HELP? Beacon Sound System Setup & Operation Videos!

ANCHOR AUDIO CUSTOMER SERVICE

888/444-6077

310/784-2300

BEACON TECHNICAL SPECIFICATIONS

Rated Power Output	150 watts AC / 125 watts DC
Max SPL @ Rated Power	112 dB
Battery	Two 12 Volt rechargeable, 9.0 AH Full recharge: approx 7 hrs.
Frequency Response	60 Hz - 15 kHz ± 3dB
Line Output (post fader)	isolated, 600 ohm, 1/4" phone
AC Power Reqs.	100 - 240 VAC, 50/60 Hz, 300W max
DC Out	12V 500mA
USB	5V 500mA
Dimensions (HWD)	26.25 x 11 x 18" / 66.7 x 28 x 45.7cm
Weight	51 pounds / 23 Kg

Mic Inputs:	Lo-Z (1 K Ω), balanced, XLR 12 VDC condenser mic (phantom) power Hi-Z (10 K Ω), unbalanced, 1/4" phone Hi-Z (10 K Ω), unbalanced, 1/8" stereo, 1/4" phone
Line In/Out	unbalanced, stereo RCA
Sensitivity For Rated Output	
Lo-Z Microphone	-52 dBV (2.5 mVrms)
Hi-Z Microphone	-43 dBV (7.5 mVrms)
Auxiliary (line)	-14 dBV (200 mVrms)
Phantom Power	36V

(Specifications subject to change without notice)



Anchor Audio, Inc.

Portable Sound Systems • Torrance, California

For System Setup & Operation Videos Visit Our Website: www.anchoraudio.com



BEACON®

PORTABLE LINE ARRAY SOUND SYSTEM

OWNER'S MANUAL



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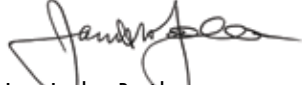
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A MESSAGE FROM THE OWNER

Thank you for choosing an Anchor Audio portable sound system. Our products incorporate state-of-the-art design and the finest quality of materials and workmanship. We are proud of our products and appreciate the confidence which you have shown by selecting an Anchor system.

I hope you'll take a few minutes to review this manual. We've incorporated several unique features into our products, and your knowledge of how to use them will enhance the performance and your enjoyment of the system.



Janet Jacobs - President
on behalf of all Anchor Employees

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 or Anchor Audio Customer Service at (888) 444-6077 to obtain a RA (Return Authorization) number. All shipments to Anchor Audio must include an RA number and must be shipped prepaid. C.O.D. shipments will be refused and returned at your expense.

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

WARRANTY REGISTRATION

Visit our website at www.anchoraudio.com and select "Warranty Registration". Complete the online form to activate the six-year limited warranty on your Beacon sound system and two-year limited warranty for the CD player and microphones.

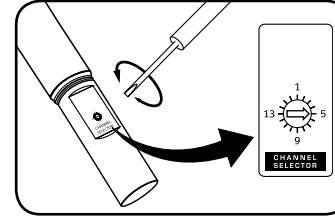
Waste electrical and electronic products must not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or Retailer for recycling advice.



OPERATING THE WIRELESS MICROPHONE/TRANSMITTER

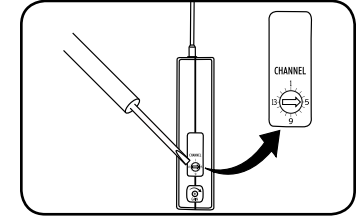
CHANNEL SELECTION - HANDHELD TRANSMITTER

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

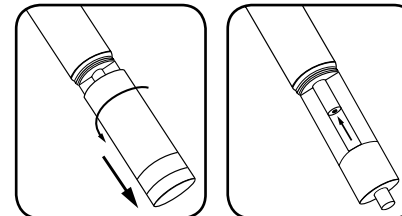
After you have set the transmitter channel (see above) you are ready to use your wireless microphone:

1. Body-pack transmitter users must insert the mic plug into the transmitter jack marked MIC
2. Turn the transmitter power switch to ON
(The red LED will flash when the mic is turned on. If the red LED stays on, 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!

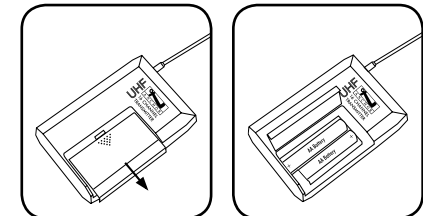
REPLACE BATTERY - HANDHELD TRANSMITTER

1. Unscrew battery cover on bottom of microphone
2. Replace old batteries with 2 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 2 fresh size 'AA' alkaline batteries
3. Replace battery cover by sliding firmly into place



NOTE: Transmitter power must be OFF when changing batteries!

USING THE BUILT-IN MP3 PLAYER

Your MP3 player supports WMA and WAV files as well as MP3. Input slots for play are USB, SD card slot and AUX port for other music player devices.

Insert your memory card or USB stick and turn on the MP3 POWER. Push MODE button until your device is displayed. The auxiliary port becomes active when 3.5mm cable is inserted.

The LCD displays functions as used:



- POWER:** press once for ON or OFF
- MODE:** displays mode of operation
- MUTE:** press once for mute ON and again to mute OFF
- RPT:** press and release to repeat song
- Track+:** press and release to next track
- Track-:** press and release for previous track
- Album+:** press and release for next album or hold and release until correct album is found
- Album-:** press and release for previous album or hold and release until correct album is found

EXTERNAL ACCESSORY
VOLUME CONTROL

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.

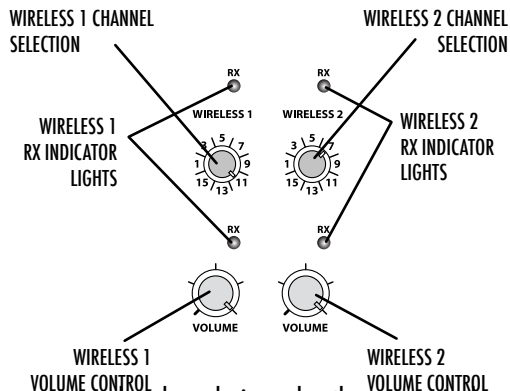
CHANNEL SELECTION - BUILT-IN RECEIVER

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

1. Choose any available wireless channel/frequency from 1 thru 16 (see page 7 for transmitter instructions)
2. Set the Wireless Channel Selector Knob to the channel/frequency 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!



CONTROLLING FEEDBACK

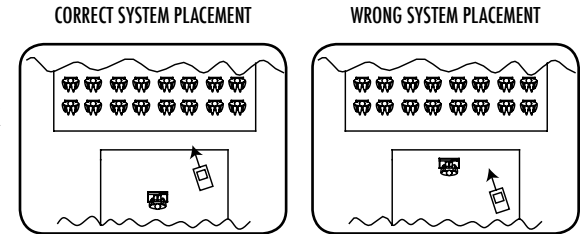
Feedback, a howling noise or shrill sound, is self-generated by the sound system. It's caused by a microphone picking up the sound coming from the speaker and then re-amplifying it. Once a feedback loop starts it continues until the system is adjusted.

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.

NEED MORE HELP? Beacon Sound System Setup & Operation Videos!
Visit Our Website: www.anchoraudio.com

BEACON TRAVEL DOLLY

Beacon Portable sound systems are equipped with a removable Travel Dolly that features wheels and a retractable handle. To eliminate possible vibration from affecting the performance of your unit we recommended that you remove the Travel Dolly before operating the system.



REMOVING TRAVEL DOLLY

1. Press & hold the spring-loaded Release Pedal located on the Bottom Bracket
 2. Swing the dolly bottom away from the system
 3. Lift Handle up to remove dolly from the Top Bracket
- Reverse steps to reattach the dolly.

BASIC SYSTEM OPERATION

NOTE: Fully Charge Batteries Before First Use!

1. Remove Travel Dolly (page 3) and 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 w/ shielded cables to avoid hum, buzzing or interference.

NEED MORE HELP? Visit Our Website:
www.anchoraudio.com



LINE ARRAY TOWER

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

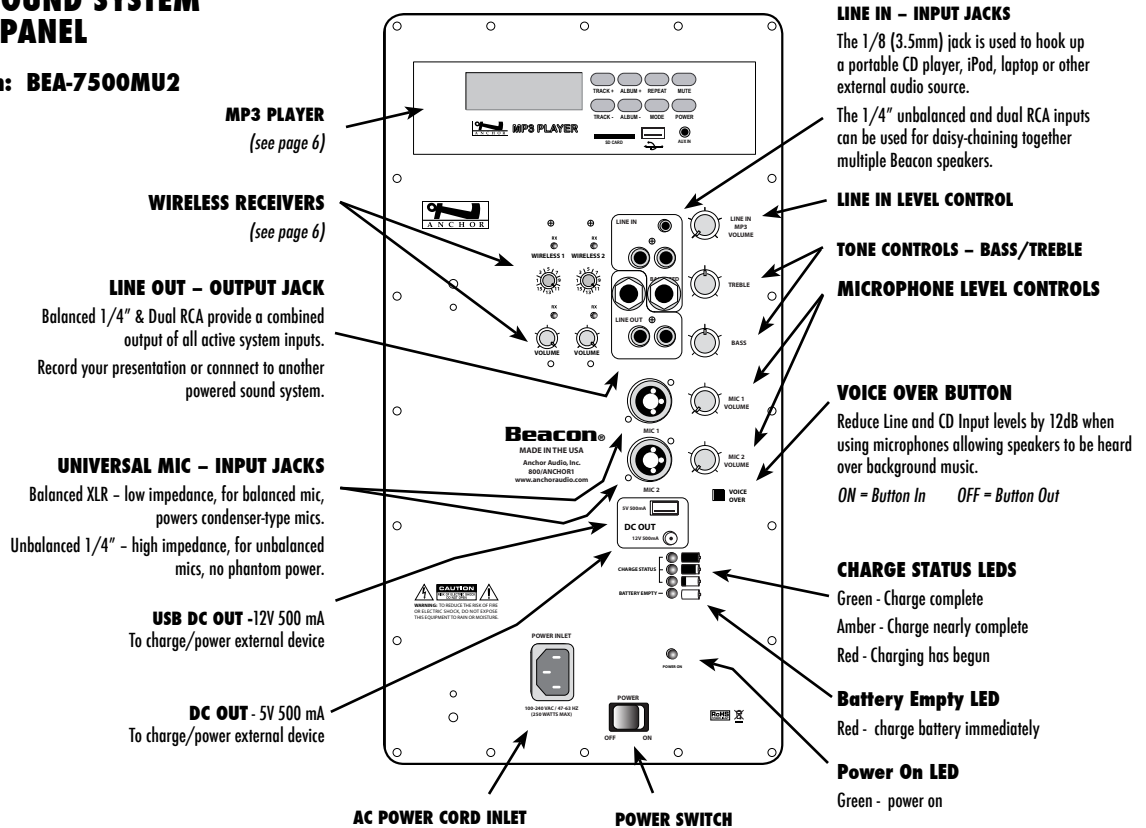
IMPORTANT: Latches MUST be locked and grill MUST face forward for system to work!

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

BEACON SOUND SYSTEM CONTROL PANEL

Model Shown: **BEA-7500MU2**



MP3 PLAYER
(see page 6)

WIRELESS RECEIVERS
(see page 6)

LINE OUT – OUTPUT JACK
Balanced 1/4" & Dual RCA provide a combined output of all active system inputs.
Record your presentation or connect to another powered sound system.

UNIVERSAL MIC – INPUT JACKS
Balanced XLR – low impedance, for balanced mic, powers condenser-type mics.
Unbalanced 1/4" – high impedance, for unbalanced mics, no phantom power.

USB DC OUT -12V 500 mA
To charge/power external device

DC OUT - 5V 500 mA
To charge/power external device

LINE IN – INPUT JACKS

The 1/8" (3.5mm) jack is used to hook up a portable CD player, iPod, laptop or other external audio source.

The 1/4" unbalanced and dual RCA inputs can be used for daisy-chaining together multiple Beacon speakers.

LINE IN LEVEL CONTROL

VOICE OVER BUTTON

Reduce Line and CD Input levels by 12dB when using microphones allowing speakers to be heard over background music.
ON = Button In OFF = Button Out

ON = Button In OFF = Button Out

CHARGE STATUS LEDS

Green - Charge complete
Amber - Charge nearly complete
Red - Charging has begun

Battery Empty LED

Red - charge battery immediately

Power On LED

Green - power on

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 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.
3. Gently slide the cover panel with the battery tray out of the case.
4. Unclip each battery connection cable and remove the batteries from the tray.
5. Connect each new battery to the connection cable, attach plate to the tray and slide the tray into the Beacon.
6. Replace each screw in the 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.

NOTE: System Can Be Used During Charging!