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BASIC SYSTEM OPERATION

NOTE: Fully Charge Batteries Before First Use!

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

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

BACK PANEL OF LIB-8000CU2

WIRELESS RECEIVERS
(see page 5)

BLUETOOTH RECEIVER
(see page 7)

CD/MP3 COMBO PLAYER
(see page 4)

TONE CONTROLS – BASS/TREBLE

LINE IN LEVEL CONTROL

MICROPHONE LEVEL CONTROLS

LINE OUT – OUTPUT JACK
Balanced 1/4"
Record your presentation or connnect to another powered sound system.

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.
Dual RCA unbalanced inputs can be used for daisy-chaining together multiple Liberty speakers.

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.

CHARGE STATUS LEDS
Green - Charge complete
Amber - Charge nearly complete
Red - Charging has begun

Power On LED
Green - power on

Battery Empty LED
Red - charge battery immediately

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

POWER SWITCH

AC POWER CORD INLET

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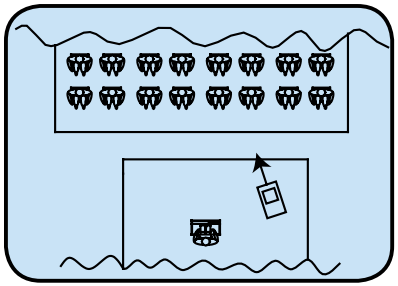
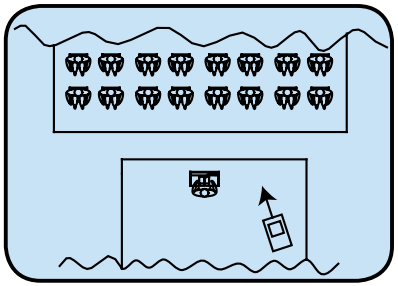
LIBERTY ARRANGEMENT

CORRECT SYSTEM PLACEMENT



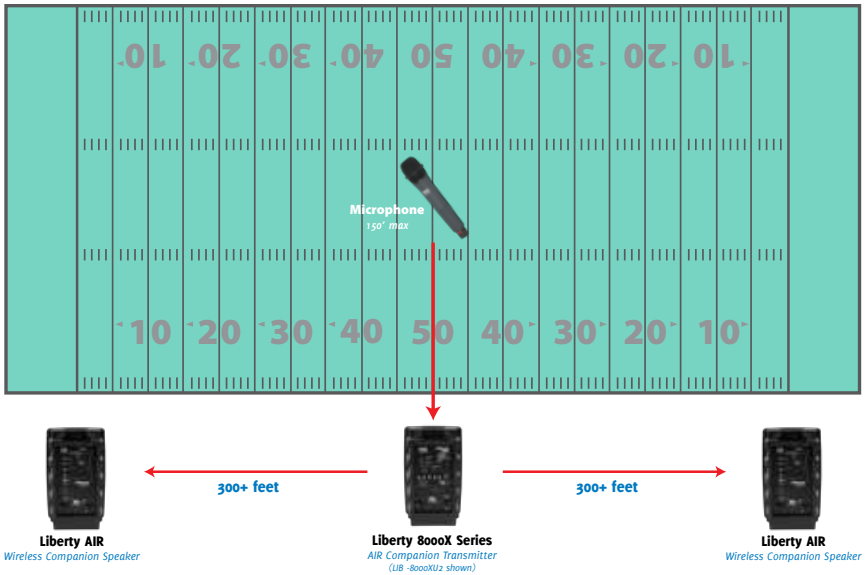
WRONG SYSTEM PLACEMENT



LIBERTY AIR ARRANGEMENT

AIR companion speakers 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 companion 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



CONNECTING MULTIPLE SOUND SYSTEMS

UNPOWERED COMPANION SPEAKER

One powered Liberty sound system and one unpowered Liberty companion speaker. Using a speaker cable *(SC-50NL)* connect the SPEAKER OUTPUT jack on the powered system to the IN jack on the unpowered speaker.

NOTE: AC power is not required for an unpowered companion speaker.

POWERED SOUND SYSTEMS

Two or more powered Liberty Sound Systems. Using a speaker cable *(EX-50PP)* connect the LINE OUT jack on the first powered Liberty to the LINE IN jack on the second powered Liberty. Set second Liberty volume to maximum so full volume control will be at the first or primary sound system.

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.

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

1. Wireless Connection

Liberty 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

Liberty AIR Companion Speaker

1. Connect provided external antennas
2. Power on companion speaker
3. Power on AIR Companion Receiver(s)
4. Verify switch is in AIR MODE
5. 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.

Liberty Main Unit

Liberty AIR Companion Speaker

2. Wired Connection

Liberty AIR Companion Speaker

1. Power off Liberty main unit and AIR Companion Speaker
2. Move switch to WIRED MODE
3. Plug Speaker-In cable to SPEAKER IN input (SC-50NL)
4. Plug Speaker-In cable to main unit SPEAKER OUT output
5. Power on Liberty main unit. Keep AIR Companion Speaker powered off.

Liberty Main Unit

3. Connecting Systems with Assistive Listening Beltpack Receiver(s)

Quick System Setup Instruction – Liberty 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! An 8000X, 8000XU1, and 8000XU2 (Liberty & MegaVox) include a built-in transmitter - as designated by the X. This transmitter operates on the 902 – 928 MHz frequency, with 100 user-selectable channels. The AIR wireless companion speakers have a built-in receiver which, when set to the same channel as the transmitter, picks up the audio signal.

Q: Can I use multiple AIR companion speakers in one set up?
A: Yes, absolutely. Any 8000X, 8000XU1, or 8000XU2 can transmit to an unlimited number of AIR wireless companion 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: The battery in my AIR is dead/I am experiencing interference on all channels. Can I connect with a cable instead of the wireless connection?
A: Yes! All AIR units have what we call 'Wired Mode,' which allows the AIR wireless companion speaker to be used just like an unpowered wired companion speaker. Power and audio signal are sent from the main unit to the AIR companion speaker with a cable. Simply power off the companion speaker, flip the switch into 'Wired Mode,' plug in your speaker cable (SC-50NL for Liberty, SC-50 for MegaVox), and the main unit will power the companion.

Q: What is the range of the AIR wireless companion speaker?
A: Each AIR 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 companion, 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). In this situation, you can use your AIR companion in 'Wired Mode'. 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! An 8000X, 8000XU1, and 8000XU2 (Liberty & MegaVox) 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 Companion Speaker can be placed 300+ ft. from main unit.
2. Main unit must have built-in AIR Companion Transmitter (LIB-8000X series).
3. Main unit can support unlimited number of AIR Companion Speakers.
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.

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USING THE BUILT-IN WIRELESS MICROPHONE RECEIVER

DIVERSITY WIRELESS BY ANCHOR AUDIO

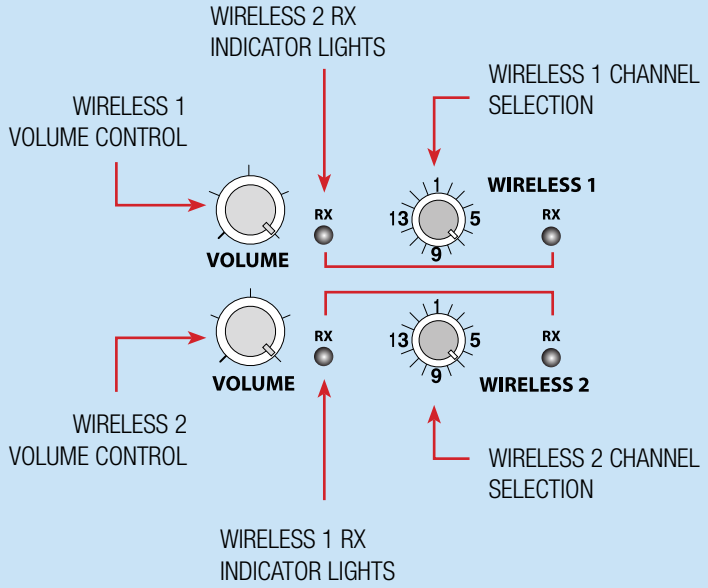
Anchor Audio UHF wireless is a 16 channel, diversity wireless system that receives signals with two independent antennae. With diversity wireless the receiver processes the stronger signal, effectively minimizing dropouts and interference from other transmitting sources. The antennae are mounted internally so there are no obstructions or risk of damage. The 8000 series wireless operates between 540 - 570 MHz.

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 8 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!

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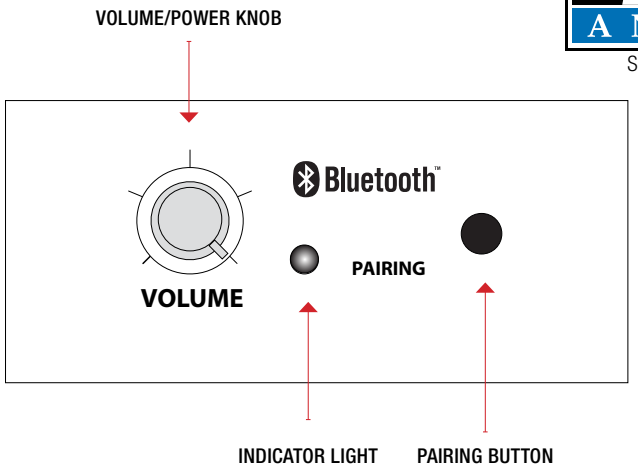
OPERATING THE BLUETOOTH TRANSMITTER



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 Blutooth 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.*