

MegaVox Pro Public Address System Owners Manual

MADE IN USA



SIX YEAR WARRANTY

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.

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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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, 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!

The MegaVox Pro PA system comes with a six year warranty, Anchor Audio Bluetooth comes with a six year warranty, and all Anchor Audio batteries and wireless come with a two year warranty.



SIX YEAR WARRANTY

BASIC SYSTEM OPERATION

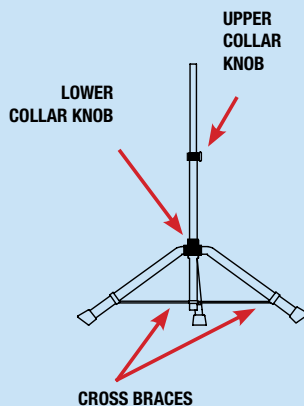
NOTE: Fully Charge Batteries Before First Use!

1. Before turning the systems power on: Set all Input Level Controls
2. Plug a microphone into a MIC jack and/or a line-level audio source into the LINE IN jack
3. Switch POWER to ON - The red BATTERY LED will turn on *(If the light flashes or stays off charge the battery)*
4. Slowly increase the Level Controls for the input jacks used to desired volume level

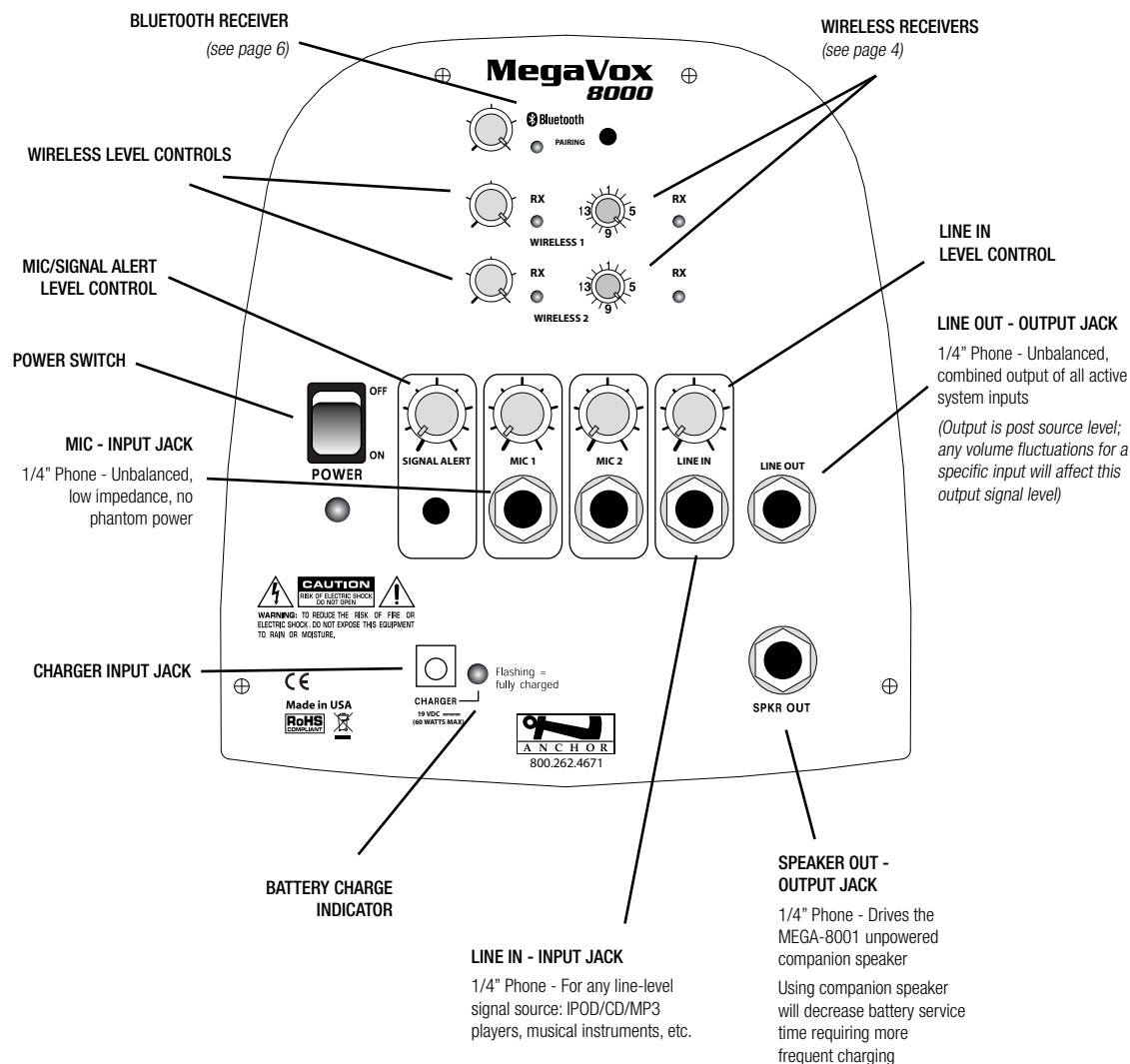
IMPORTANT: Make all connections with shielded cables to avoid hum, buzzing or interference.

SPEAKER STAND SETUP

1. Loosen the Lower Collar Knob
2. Separate the stand legs until the leg support Cross Braces are parallel to the floor
3. Tighten the Lower Collar Knob
4. Loosen the Upper Collar Knob and extend the center pole
5. Adjust height and retighten the Upper Collar Knob
6. Place your Anchor sound system on the stand



BACK PANEL OF MEGA-8000U2



CAUTION: The signal alert sound can produce VERY high or harmful sound pressure levels that can cause hearing damage.



CONNECTING TWO OR MORE MEGAVOX PRO PA SYSTEMS

UNPOWERED MEGAVOX PRO COMPANION SPEAKER (MEGA-8001)

Connect one end of a speaker cable (SC-50) to the SPKR OUT jack on the back of a powered MegaVox PRO PA system.

The other end connects to the jack labeled IN on the back of a MegaVox PRO unpowered companion speaker.

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

POWERED MEGAVOX PRO PA SYSTEMS WITH LINE OUT

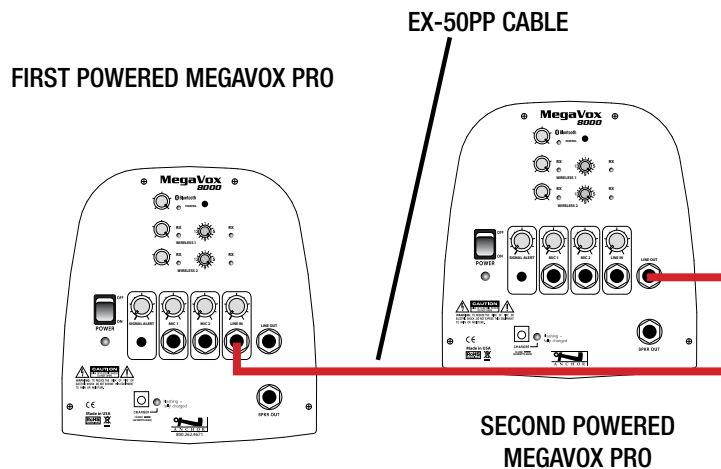
Connect speaker cable (SC-50) from LINE OUT on first powered MegaVox PRO to LINE IN on second powered MegaVox PRO. Set volume level of the second system to maximum, this gives full volume control to the first or primary PA system.

DAISY-CHAINING

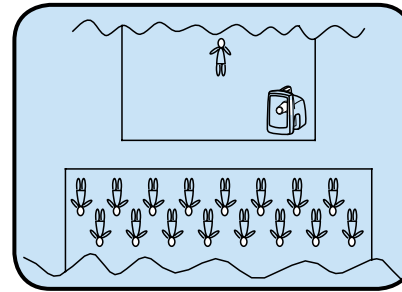
Use the Line Out method above to connect up to six powered MegaVox PRO PA Systems. Make all connections with power off.

Set volume level to maximum on all secondary systems so the primary unit Level Control sets the volume for the entire chain.

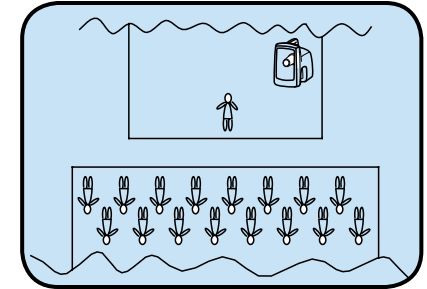
To avoid speaker popping, which can cause damage, power speakers on in order, primary unit first, and power speakers off in reverse order, primary unit last.



CORRECT SYSTEM PLACEMENT



WRONG SYSTEM PLACEMENT



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.



DIVERSITY WIRELESS BY ANCHOR AUDIO

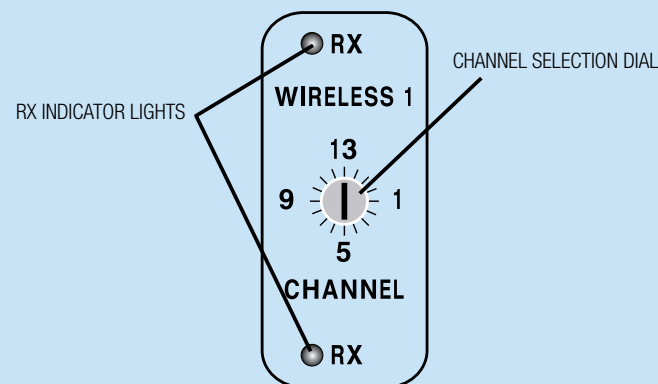
Anchor Audio UHF wireless is a 16 channel, diversity wireless system that receives signals with two independent antennae. With diversity wireless the receiver processes the stronger signal, effectively minimizing dropouts and interference from other transmitting sources. The antennae are mounted internally 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 (*see page 5 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!**

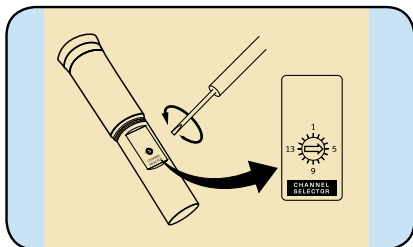


SIX YEAR WARRANTY

OPERATING THE WIRELESS MICROPHONE/TRANSMITTER

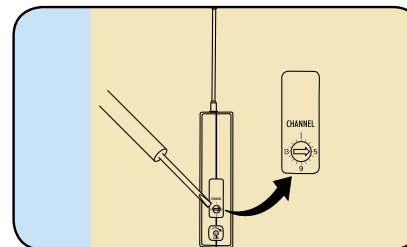
CHANNEL SELECTION - HANDHELD TRANSMITTER

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

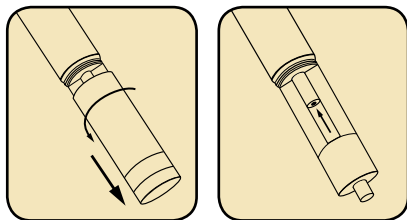
After you have set the transmitter channel (see above) you are ready to use your wireless microphone:

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 MegaVox 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!

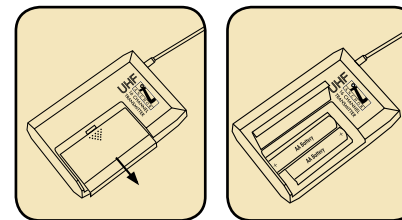
REPLACE BATTERY - HANDHELD TRANSMITTER

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





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OPERATING THE BLUETOOTH TRANSMITTER

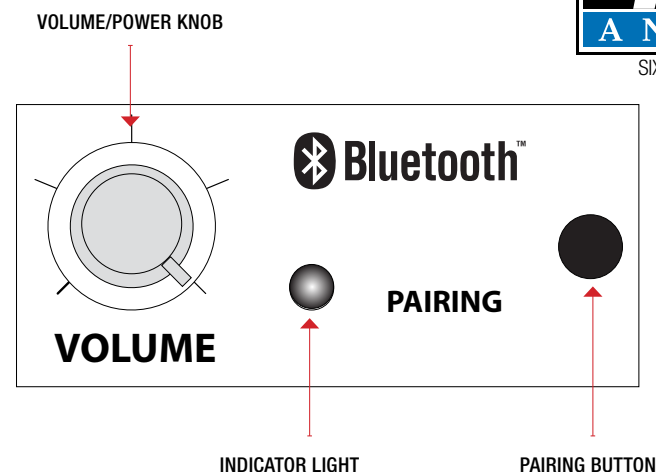
POWERING UP THE BLUETOOTH

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 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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CARING FOR YOUR BUILT-IN BATTERY

It is very important that you fully charge the battery in your new pa system before the first time its used. To preserve battery life it is also recommended that the battery be fully charged as soon as possible after every use regardless of the length of operation.

UNDERSTANDING THE BATTERY LEVEL INDICATOR

LED Flashing Red: Battery charge is very low, in 15-30 minutes the Battery Protection Circuit will turn the system off.

LED Off: Battery is completely drained and must be charged.

NOTE: System can be used while batteries charge!

OPERATING IN AC MODE

Plug your sound system into an AC outlet. Operate as normal while charging the built-in battery at the same time. The Charger LED will light during charging and flash when the battery is fully charged.

BATTERY SERVICE TIME

With the battery fully charged you can expect approx.:
8-12 hrs @ Medium Volume 3-6 hrs @ Full Volume
of continuous music input (*longer for speech*). Service time will vary depending on control settings and use of accessories (*built-in wireless receivers and/or a companion speaker*).

IMPORTANT: For longer battery life always store your system with batteries fully charged!



CHARGING YOUR BUILT-IN BATTERY

An automatic charging system is built-in to your MegaVox PRO PA System. It is designed to properly charge and maintain the systems built-in battery. To charge battery:

1. Plug the power cord into your sound system
2. Plug the other end of the cord into AC outlet - Charger LED will stay on during charging
3. Battery fully charged in approximately 15 - 20 hrs - Charger LED will flash

When in AC mode the system automatically transfers power from the battery charger to the power amplifier at high volume output, causing the Charger LED to flicker.

SYSTEM STORAGE & BATTERIES

Always store your sound system with the battery fully charged. For extended periods of storage leave the system plugged into an AC outlet. If this is not possible, charge the system at least once each month for a minimum of 24 hours.

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.





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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 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.



Figure DC Voltage Symbol

Direct current symbol

This international symbol implies a Direct voltage or current.

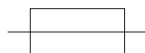


Figure Fuse Symbol

Fuse Symbol

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.

Inspection for Damage

The Model MegaVox Pro 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.

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.

– minimum distances around the apparatus for sufficient ventilation; the ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, tablecloths, curtains, etc.; no naked flame sources, such as lighted candles, should be placed on the apparatus.

– attention should be drawn to the environmental aspects of battery disposal; the use of apparatus in tropical and/or moderate climates.

– 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.



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HAVING TROUBLE WITH YOUR PA SYSTEM?

CONDITION	POSSIBLE CAUSE
No Sound (<i>power LED = OFF</i>)	<ul style="list-style-type: none"> • power switch is in OFF position • batteries are fully discharged - LED may flash briefly
Charge Indicator Not On	<ul style="list-style-type: none"> • confirm proper charger - replace if necessary
No Sound (<i>power LED = ON</i>)	<ul style="list-style-type: none"> • no output from source • input cable unplugged or • input volume control is low or off
Shortened Battery Life	<ul style="list-style-type: none"> • short in external speaker cable or speaker • total external speaker impedance < 8Ω • battery is not fully charged or need to be replaced
Distorted Sound	<ul style="list-style-type: none"> • poor connection on input cable • input signal too strong
Excessive Hum or Noise	<ul style="list-style-type: none"> • input cable not shielded

HAVING TROUBLE WITH YOUR WIRELESS SYSTEM? (WIRELESS MODELS ONLY)

CONDITION	POSSIBLE CAUSE
No Sound (<i>RX ON Indicator = ON</i>)	<ul style="list-style-type: none"> • wireless volume control is to low or off • no mic plugged into belt-pack transmitter
No Sound (<i>RX ON Indicator = OFF</i>)	<ul style="list-style-type: none"> • sound system not turned on • transmitter power switch turned off • low battery or no battery in transmitter • transmitter and receiver are not on the same channel

NEED MORE HELP? MegaVox Pro PA Setup & Operation Videos!
Visit Our Website: www.anchoraudio.com

MEGAVOX PRO TECHNICAL SPECIFICATIONS

Rated Peak Power	20 watts	<i>Inputs</i>	
Max SPL @ Rated Power	119 dB @ 1 meter	Line	Hi-Z, unbalanced, 1/4"-phone
Frequency Response	400 Hz – 10 kHz	Mic 1	Lo-Z, unbalanced, 1/4"-phone
Charger (<i>RC-6000</i>)	18V DC/universal input (100Vac – 240Vac, 50 – 63Hz)		(used for wireless on <i>MEGA-6000U1</i>)
Battery	12 volt rechargeable, 5 AH	Mic 2	Lo-Z, unbalanced, 1/4"-phone
Dimensions (<i>HWD</i>)	13" x 9" x 14" (33 x 23 x 36 cm)	<i>Outputs</i>	
Weight	15 lbs / 6.8 Kg	Line (<i>post fader</i>)	Lo-Z, 1/4"-phone
		Speaker Out	4Ω, unswitched, 1/4"-phone



(Specifications Subject to Change Without Notice)

Touchboards

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FOR ADDITIONAL INFORMATION
visit www.anchoraudio.com