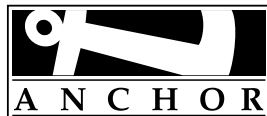


MEGA-6000
MEGA-6000U1
MEGA-6000U2

Owner's Manual





IMPORTANT SAFEGUARDS



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: To reduce the risk of electric shock, do not remove the cover. No user-serviceable parts inside. Refer servicing to qualified personnel.

WARNING: To prevent fire or electric shock, do not expose this equipment to rain or moisture.

CAUTION: To reduce the risk of fire, replace only with same type fuse (see specifications).



AVIS
RISQUE DE CHOC
ÉLECTRIQUE
NE PAS OUVRIR



ATTENTION: Pour éviter les risques de choc électrique, ne pas enlever le couvercle. Aucun entretien de pièces intérieures par l'utilisateur. Confier l'entretien au personnel qualifié.

AVIS: Pour éviter les risques d'incendie ou d'électrocution, n'exposez pas cet article à la pluie ou à l'humidité.

ATTENTION: Pour diminuer le risque d'incendie, remplacer par des fusibles de même type (voir caractéristiques).

EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans.



The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

EXPLICATION DES SYMBOLES GRAPHIQUES



Le symbole éclair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de "voltage dangereux" non isolé d'ampleur suffisante pour constituer un risque d'électrocution.



Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour la fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.

DATE OF MANUFACTURE

The date of manufacture of this Anchor Audio product can be determined by the eight digit serial number code. The fourth digit denotes the year, the third digit (letter) denotes the month (A=Jan, B=Feb, etc.) Example: "AWDO1432" states that the unit was manufactured in April of 2000.

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're proud of our products and appreciate the confidence which you have shown by selecting an Anchor system.

I hope you'll take a few of 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.



*David Jacobs, President
on behalf of all Anchor Employees*

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System Inspection & Inventory

Check unit carefully for damage which may have occurred during transit. Each Anchor product is carefully inspected at the factory and packed in a special carton for safe transport.

Inventory

NOTE:

All damage claims must be made with the freight carrier.

- MegaVox Pro sound system
- Warranty registration card

All damage claims must be made with the freight carrier. Notify the freight carrier immediately if you observe any damage to the shipping carton or product. Repack the unit in the carton and await inspection by the carrier's claim agent. Notify your dealer of the pending freight claim.

Returning Systems For Service or Repair

IMPORTANT:

Save the shipping carton and packing materials. They were specially designed to ship your unit safely.

Should your unit require service, contact your dealer or the Anchor Audio Customer Service Department at (800) 262-4671 to obtain a Return Authorization (RA) 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 cost.

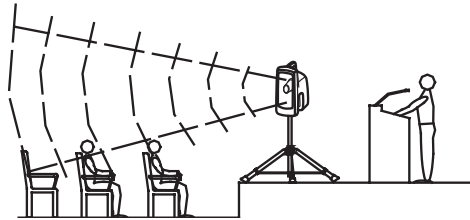
Warranty Registration

Please fill out the warranty card and return it with a copy of your invoice to Anchor's Customer Service Department. This will activate your limited six year warranty.



Setting Up The MegaVox Pro

For best results, it is recommended that the PA system be placed above the heads of the audience and above the height of the tallest obstruction using a speaker stand or table. This will benefit the listeners in the rear while minimizing the risk of overpowering the listeners in front.

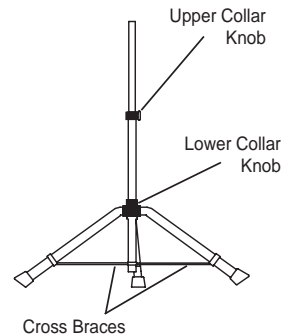


Sound System Placement

The ideal placement of the PA system is between the crowd and the presenter, facing the crowd. This will give the audience a direct signal path and keep the person with the microphone behind the sound system, helping to prevent feedback from occurring.

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. Extend the center pole by loosening the Upper Collar Knob.
5. Adjust the height and retighten the Upper Collar Knob.
6. Place the Anchor sound system on the stand.





Single Unit Setup

Place the unit along the aisle with the least amount of pedestrian traffic. Point the unit towards the center of the audience.

Connect A MegaVox Pro Companion Speaker

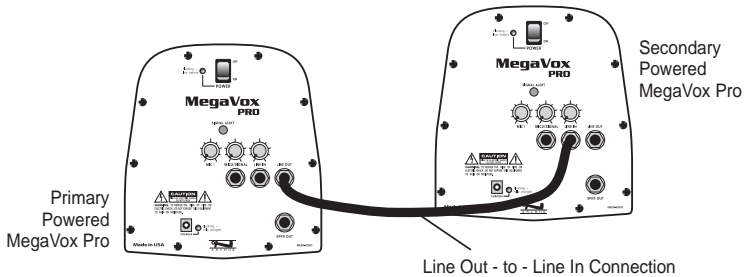
Use a speaker cable (SC-50) to connect Speaker Out on the primary unit to the unpowered companion speaker (MEGA-6001).

No electric power is required for an unpowered companion speaker.

Connect MegaVox Pro Powered Systems

Utilize the Line Output feature by connecting a cable (EX-50PP) from Line Out of the primary MegaVox Pro to Line In on the secondary powered MegaVox Pro. Connect the second MegaVox Pro to an electrical outlet and turn the unit on. Set the volume of the second Megavox Pro to maximum so full volume control will be at the primary system.

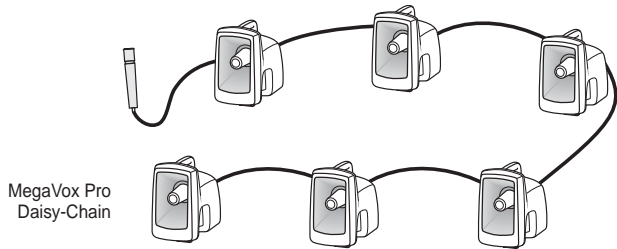
NOTE:
The line-out connection can also be used to send the signal to a sound system in a different room or a recording device.





Daisy-Chaining

By using the Line Output method described above you can connect up to six powered MegaVox Pro PA Systems together expanding your coverage area.

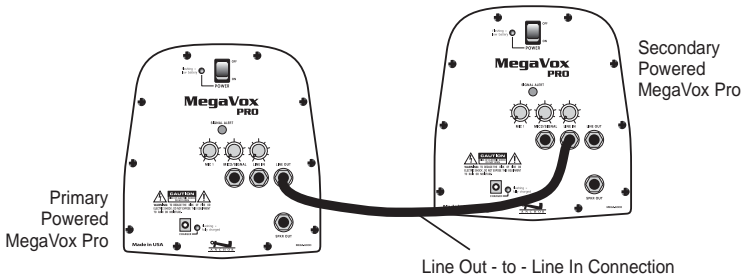


Daisy-Chain Setup

NOTE: Auditoriums or outside areas with large exposed walls or patios may create multiple reflections of the original sound. Altering the PA system position will minimize the sound reflections.

To connect your MegaVox Pro units, use a shielded cable with 1/4" phone plugs on each end (EX-50PP).

1. Turn the power switch off and turn the volume to maximum on each MegaVox Pro.
2. Connect the Line Out on the primary (first) MegaVox Pro to the Line In on the next MegaVox Pro.



3. Continue connecting your powered MegaVox Pro systems Line Out to Line In to complete your chain.
4. Power on the speakers in order, primary unit first. This will avoid speaker popping which can cause damage.
5. Use the volume control on the primary unit to set the volume for the entire chain.
6. Power off speakers in reverse order, primary unit last. This will avoid speaker popping which can cause damage.



Feedback

Feedback is a howling or shrill sound that is self-generated by the sound system. It is caused by microphone pickup of the sound emanating from the speaker and then being re-amplified. Once generated, this can be a self-sustaining phenomenon.

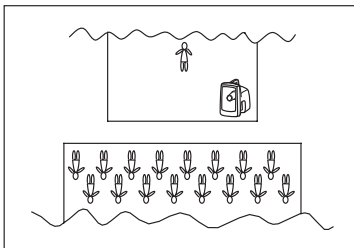
Causes of Feedback

- Microphone too close, pointing towards or in front of speaker.
- Volume setting too loud for room.
- Sound reflections from hard surfaces, walls, etc.

Avoiding & Eliminating Feedback

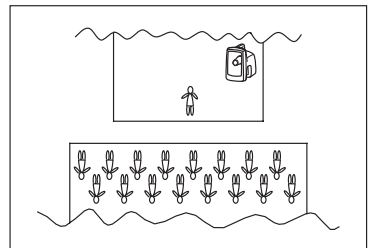
CAUTION:
Feedback can be damaging to both your equipment and a persons hearing.

- Point the microphone into a different direction.
- Keep the microphone away from the speaker; position the speaker in **FRONT** of the microphone.
- Reduce the volume of the sound system. Have all volume controls set to minimum prior to powering on the sound system.
- Place sound dampening material over hard surfaces; curtains or sound dampening foam.



Acceptable

Microphone is located behind sound system.



Unacceptable

Microphone is in front of sound system.



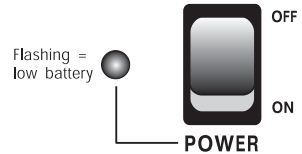
Caring For Built-in Batteries

IMPORTANT:
For longer battery life, always store your system with the battery in a fully charged condition or the charger plugged in.

It is very important that you fully charge the batteries in your system before first use and as soon as possible after each and every use, even if operated only briefly to preserve battery life.

When The Battery LED Flashes or Won't Light

The Battery LED will begin to flash when the battery charge is low. To prevent damage, the automatic protection circuit turns the unit off when the batteries approach their critical discharge point.

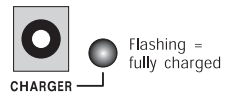


Charging The Batteries - AC Power Source

NOTE:
MegaVox Pro is an AC/DC powered unit that can be used while charging.

The following steps outline the necessary procedure to charge the batteries:

1. With the MegaVox Pro power switch off, plug the Charger into an AC outlet.
2. Connect the Charger cord into charger input. The Charger LED will light, indicating the batteries are being charged.
3. When the batteries are fully charged (about 6-8 hours), the Charger LED will flash.



Expected Service Time From Batteries

NOTE:
When an external speaker is powered by the MegaVox Pro, battery service per charge will decrease considerably.

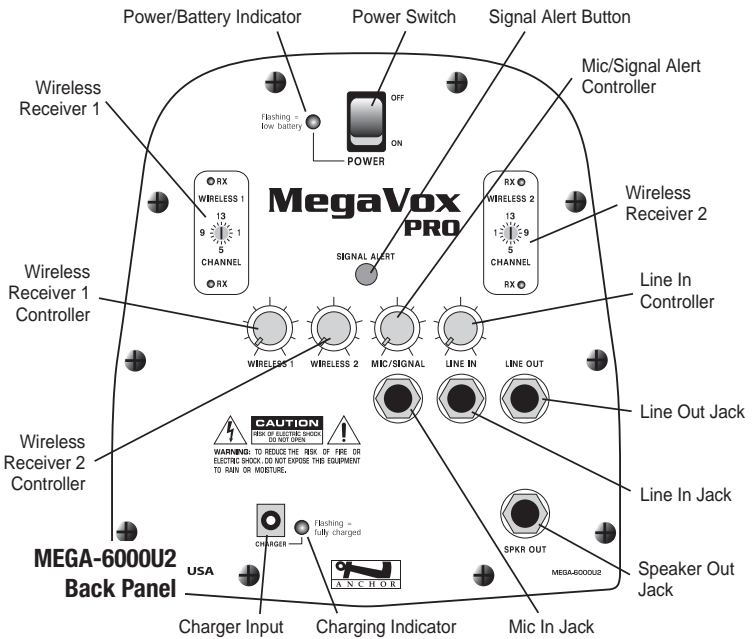
Battery service time will vary depending on the volume level, tone control settings, type of program usage and if a companion speaker is used with the system. You can expect about 8-12 hours of operation at medium volume, 3-6 hours at full volume of continuous music input (usually longer for speech applications).



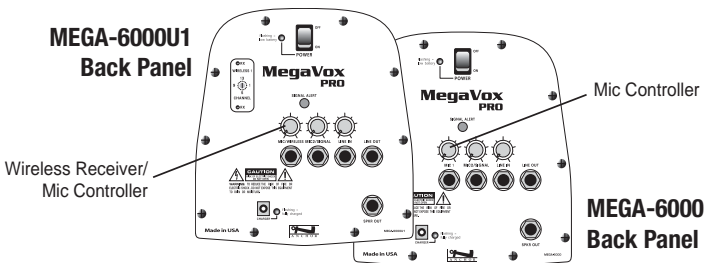
MegaVox Pro Control Panel

NOTE:
Instructions for wireless operation can be found on page 10.

1. Set all input level controls to minimum before turning on the power.
2. Plug a microphone into a Mic jack, or an audio source into the Line-in jack.
3. Turn POWER on, the red LED near the switch will light. If the LED flashes or does not light, charge the battery.
4. Slowly increase the level control adjacent to the input jack used to desired volume.



NOTE:
All in/out line connections must be made with shielded cable to avoid hum, buzzing, or radio interference.





MIC 1



Mic 1 (MEGA-6000 only)

An unbalanced, low impedance microphone input. For use with the wired mic supplied with your unit, or any mic with a 1/4" phone plug which does not require phantom power.

MIC1/WIRELESS



Mic 1/Wireless (MEGA-6000U1 only)

The built-in receiver is connected to this input. Use the controller to adjust the wireless mic volume. Inserting a plug into this input disconnects the wireless input—to use a wired and wireless mic simultaneously, plug the wired mic into the Mic 2 input.

MIC2/SIGNAL



Mic 2/Signal

An unbalanced, low impedance microphone input. For use with the wired mic supplied with your unit, or any mic with a 1/4" phone plug which does not require phantom power. The controller adjusts both the signal alert and mic volume.

LINE IN



Line In

The line input (1/4"-phone jack) is used for playback of a tape player, musical instrument or similar source. It may be used simultaneously with the mic inputs for a composite output.

LINE OUT



Line Out

The output signal is a composite of all the inputs. Use it to record your presentation, or to “daisy chain” another powered sound system to the MegaVox Pro for greater crowd coverage.



SPKR OUT

Speaker Out

Use the speaker output to drive Anchor’s model MEGA-6001 companion speaker (in addition to MegaVox Pro's built-in speakers) for greater output. When an external speaker is powered by the MegaVox Pro, battery service per charge will decrease considerably.

SIGNAL ALERT



Signal Alert Button

The Signal Alert provides an air horn type tone. The level is controlled by the MIC/SIGNAL volume control. Caution, this can produce VERY high or harmful sound pressure levels.



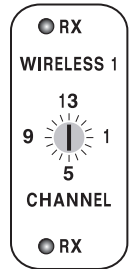
Diversity Wireless by Anchor Audio

Anchor Audio UHF wireless is a 16 channel, diversity wireless system that utilizes two independent antennae to receive signal. The diversity feature means that the receiver will process the stronger of the two antenna signals, effectively minimizing dropouts and interference from other transmitting sources. The antennae are mounted internally so there are no obstructions or risk of damage.

Receiver Channel Selection

Before you use your UHF wireless system, you will need to select a wireless frequency channel. The wireless receiver is mounted inside the MegaVox Pro and can be set to any of 16 available channels.

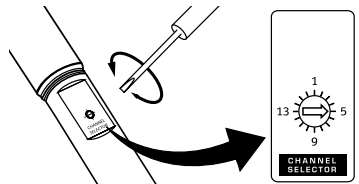
1. Locate the Wireless Channel selector on the back panel.
2. Using the supplied screwdriver, set the frequency of the receiver to 1 thru 16.



Transmitter Channel Selection

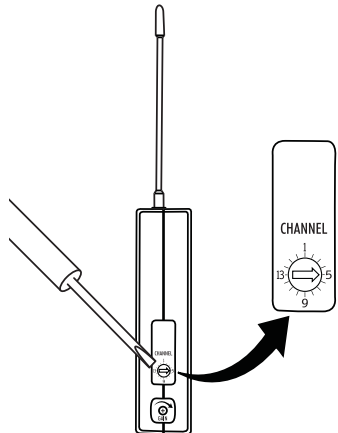
Handheld Transmitter:

1. Unscrew battery cover on lower end of microphone.
2. Set the channel selection dial to match the channel setting on the receiver.
3. Replace the battery cover.



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 on the receiver.



NOTE:

If you experience ongoing interference with your wireless system, the selected frequency may be incompatible with other RF systems in your area. Try a different channel.

NOTE:

Be sure that the MIC/LINE switch is in the "MIC" position when a mic is plugged into the TX.



Wireless Microphone Operation

NOTE:
When using a dual wireless unit, make sure each microphone is set to a different channel frequency.

Both the receiver and microphone must be set to the same channel.

1. If you are using a body-pack transmitter, insert the plug from the mic into the jack marked MIC on the transmitter.
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 MegaVox Pro power switch to ON.
4. The RX indicators will light (one indicator at a time lights) when the wireless signal is being transmitted and received.

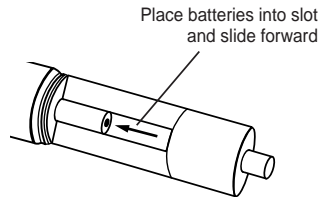
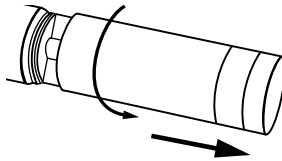
MEGA-6000UI Only: The audio signal from the built-in wireless receiver is fed to the MIC 1/Wireless input. Unplug any other mic from the MIC 1/Wireless input when using the wireless system.

Replacing Transmitter Battery

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

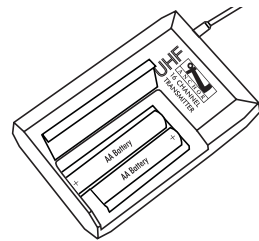
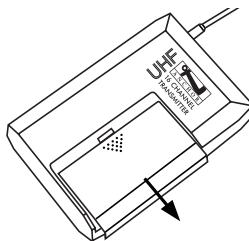
Handheld Transmitter:

1. Unscrew battery compartment cover on lower end of mic.
2. Install 2 fresh 'AA' alkaline batteries.
3. Replace the battery cover.



Body-pack Transmitter:

1. Slide open battery cover on front of transmitter box.
2. Install 2 fresh 'AA' alkaline batteries.
3. Close the battery cover.



NOTE:
Transmitter power switch must be in the OFF position when changing batteries



MEGA-6001

Unpowered MegaVox Pro companion speaker

SS-550

Heavy-duty brushed aluminum speaker stand

HC-1650MV

Custom travelling hardcase with built-in wheels & fold down handel

VL-35

Vinyl storage slip cover

RC-6000

Replacement AC charger/adapter

MEGA-BAT

Replacement battery

WH-6000

Handheld wireless microphone/ transmitter

WB-6000

Wireless body-pack transmitter (order mic separately)

CM-60

CollarMic microphone (use with WB-6000 transmitter)

HBM-60

Headband microphone (use with WB-6000 transmitter)

LM-60

Lapel microphone (use with WB-6000 transmitter)

SC-50

Speaker cable with 1/4" male phone plugs on each end - 50'

EX50PP

Shielded speaker cable with 1/4" male phone plugs on each end - 50'

MegaVox Pro

Rated power output:	22 watts
Max SPL @ rated power:	126 dB @ 1 meter
Frequency response:	400 Hz - 10 kHz
Inputs	
Line input:	Hi-Z, unbalanced, 1/4"-phone
Mic input 1:	Lo-Z, unbalanced, 1/4"-phone (used for wireless on MEGA-6000U1)
Mic input 2:	Lo-Z, unbalanced, 1/4"-phone
Outputs	
Line output:	Lo-Z, 1/4"-phone (post fader)
Speaker output:	8 , unswitched, 1/4"-phone
Battery type:	12 volt rechargeable, 5.0 AH
Operation time:	6 -10 hours (dependent upon use)
Charger (RC-6000):	18V DC/universal input (100Vac - 240Vac, 50 - 63Hz)
Dimensions (HWD):	13 x 9 x 14", 33 x 23 x 36 cm
Weight:	15 pounds, 6.8 Kg

Specifications subject to change without notice.



Having trouble with the PA system?

Condition

Possible Cause

No sound (power LED not lit):

- power switch OFF
- batteries fully discharged (LED flashes briefly)

Charge indicator doesn't light:

- confirm proper charger; replace if necessary

No sound (power LED lights):

- no output from source
- input cable unplugged
- input volume control low or off

Shortened battery life:

- short in external speaker cable or speaker
- total external speaker impedance < 8
- batteries not fully charged
- batteries need replacement

Distorted sound:

- poor connection on input cable
- input signal too strong

Excessive hum or noise:

- input cable not shielded

Having trouble with the wireless system?

Condition

Possible Cause

No sound (RX ON indicator lights):

- wireless volume control low or off
- no mic plugged into belt-pack transmitter

No sound (RX ON indicator off):

- sound system not turned on
- transmitter power switch turned off
- low battery or no battery in transmitter

