

## Troubleshooting Guide

### Having trouble with the sound system?

#### *Condition*

No sound (power LED not lit):

#### *Possible Solution*

- turn POWER switch ON
- charge battery

Charge indicator doesn't light:

- confirm proper charger; replace if necessary

No sound (power LED lights):

- turn up volume control of input used
- make sure all cables are completely plugged in

No sound when using line input:

- check for output from source

Shortened battery life:

- charge battery fully; if battery life continues to deteriorate, contact Anchor customer service
- reduce volume to eliminate distortion
- if companion speaker is being used with system, make sure it's Anchor's model P-351

Distorted sound:

- lower system volume control
- reduce source output level

Excessive hum or noise:

- use shielded cables

### Having trouble with the wireless system?

#### *Condition*

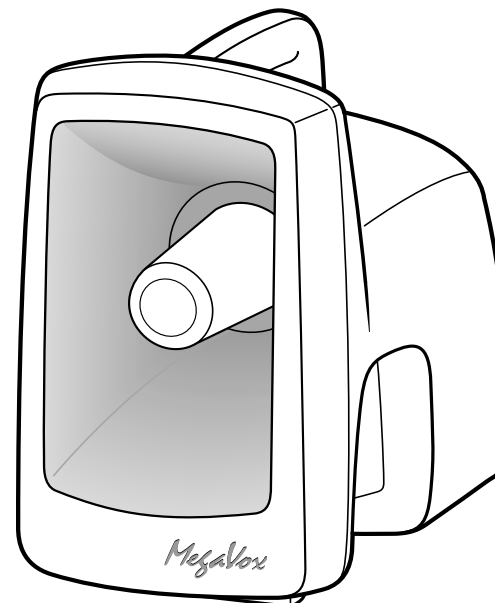
No sound (TX ON indicator lights):

#### *Possible Solution*

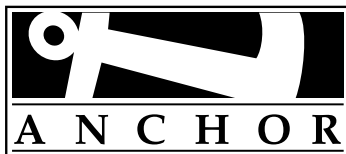
- set MUTE switch to ON (handheld mic only)
- turn up WIRELESS volume control
- make sure mic is plugged into bodypack transmitter
- unplug wired mic from the Mic 2 input

No sound (TX ON indicator off):

- turn MegaVox POWER switch ON
- make sure transmitter power switch is ON
- set receiver and transmitter to same channel
- replace battery in transmitter



## **MegaVox** Owner's Manual



ANCHOR Audio, Inc. (310) 784-2300  
100-0058-000 / Revision B, 06/97



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

## Quick Use Guide

The MegaVox portable sound system is simple to set up and operate. It runs for many hours on its built-in battery. You'll need a microphone or other input source before you begin. *Make sure the battery is fully charged before use (see page 7).*

### Here's how easy it is to use:

1. Set the unit in front of your audience on the ground, table or on a speaker stand.
2. Plug a microphone into the Mic 1 or Mic 2 input, or plug an audio source into the Line input.
3. Set all input level controls to minimum, then turn the power ON. Slowly increase the level control adjacent to the input used until desired volume is reached.

*To operate the wireless mic system on model PB-35W see "Wireless Operation" on pages 8 and 9. And for more detailed instructions, see the "Operation" section beginning on page 5.*

**Note:** *The wireless operation information on pages 8 and 9 does not apply if you have a wireless model PB-35WS. Instead, use the supplemental information booklet provided with your unit.*



## Specifications

Rated power output:	22 watts
Max SPL @ rated power:	126 dB @ 1 meter
Frequency response:	400 Hz - 10 kHz
Speaker type:	reentrant horn
Inputs	
Mic 1:	Lo-Z, unbalanced, 1/4"-phone
Mic 2:	Lo-Z, unbalanced, 1/4"-phone (mic 2 input used for wireless on PB-35W)
Line input:	Hi-Z, unbalanced, 1/4"-phone
Line output (post fader):	Lo-Z, 1/4"-phone
Speaker output:	8 $\Omega$ , unswitched, 1/4"-phone (Anchor P-351 recommended)
Battery:	12 volt rechargeable, 4.0 AH, sealed lead acid
Charger (RC-16):	16 volts AC, 1.5A, 60Hz
Charger (RC-16/220)	16 V~, 1.5A, 50Hz
Dimensions (HWD):	13.75 x 9 x 14.75", 35 x 23 x 37 cm
Weight:	15 pounds, 6.8 Kg.

Specifications subject to change without notice.

Problems?  
Consult the  
troubleshooting  
section on the  
back page of  
this manual.



## Accessories

### SS-450 Speaker Stand

Made of heavy duty structural aluminum.

### P-351 Companion Speaker

An unpowered speaker which can be connected to the speaker output of a MegaVox for increased crowd coverage. Speaker cable not included.

### SC-50 Speaker Cable

50' Heavy duty speaker cable with 1/4" male phone plugs.

### MIC-90P Handheld Microphone

Anchor's dynamic, balanced, low impedance microphone with a unidirectional pick-up pattern. It has a on/off switch and comes with a 20' cable and mic clip.

### VL-35 Storage Cover

Heavy duty cover for MegaVox.

### *Additional accessory for PB-35W*

### MIC-50 Handheld Microphone

The MIC-50 is an unbalanced, low impedance microphone for use with the PB-35W's Mic 1 or Mic 2 inputs. It has a 1/4"-phone plug attached to a 10' coiled cable and an on/off switch.



## Getting Started

### Inspection and inventory of your system

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

- MegaVox sound system
- MIC-50 handheld microphone (*not included with wireless model PB-35W*)
- RC-16 charging transformer (RC-16/220 for export)
- Warranty, Owner's Manual and 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 your unit for service or repairs

Should your unit require service, contact your dealer or our Customer Service Department at (310) 784-2300 to obtain a Return Authorization (RA) number. All shipments to Anchor 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 two year warranty.

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



## Feedback Information

### What causes feedback?

Feedback is a ringing, howling, or shrill sound that is self-generated by the sound system. It is the result of sound from the speakers being picked up by the microphone(s) in use and then re-amplified by the system. This can form a self-sustaining loop that can damage the sound system if allowed to continue.

### How to prevent feedback

ALWAYS STAND BEHIND THE SPEAKER  
WHEN USING A MICROPHONE.

**CAUTION:** *Feedback can damage your equipment and may be hazardous to your hearing. To avoid feedback, always make sure volume controls are at minimum before turning unit on. If feedback occurs, immediately reduce the volume.*



## Wireless Operation (PB-35W)

### Operating the wireless microphone system

The audio signal from the built-in wireless receiver is fed to the MIC 2/WIRELESS input. Unplug any other mic from the MIC 2 input when using the wireless system.

#### Operating the wireless microphone system:

1. If you are using the bodypack transmitter, insert the plug from the mic into the jack marked "MIC" on the transmitter.
2. Set the MegaVox's Mic 2/Wireless volume control to minimum.
3. Turn the sound system power switch ON.
4. Set the transmitter power switch ON. *The sound system's TX ON indicator lights to indicate wireless signal (RF) is being transmitted and received.*
5. Adjust the Mic 2/Wireless control to desired volume.

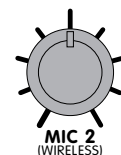
**Caution:** *Harmful feedback may occur when walking in front of a sound system or speaker with a wireless microphone. Always point mic away from speakers.*

### Replacing the transmitter battery

**Note:** *The transmitter power switch must be in the OFF position!*

**HANDHELD:** Unscrew the battery compartment cover on the lower end of microphone. Install a fresh 'AA' alkaline battery and replace the cover.

**BODY-PACK:** Open battery cover on the side of the transmitter box and insert a fresh 9 Volt alkaline battery. Close the cover.



Observe proper  
polarity when  
installing the  
battery!

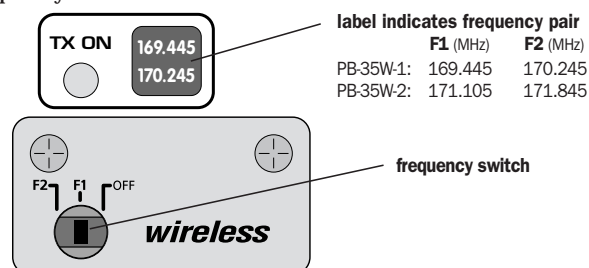
## Wireless Operation (PB-35W)

Consult the supplemental wireless manual if you have model PB-35WS.

### Setting up the wireless system

Set the frequency of the receiver.

The wireless receiver is mounted inside the MegaVox and is available with two different frequency pairs (this allows for operation of up to 4 units simultaneously). A label on the control panel indicates which 2 frequencies your system is equipped with, and the desired frequency is selected via the frequency switch.



1. Set the frequency of the receiver to either of the two channels, F1 or F2.

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

Set the frequency of the transmitter.

During use, make sure the transmitter you are using is set to the same frequency as the receiver as set above.

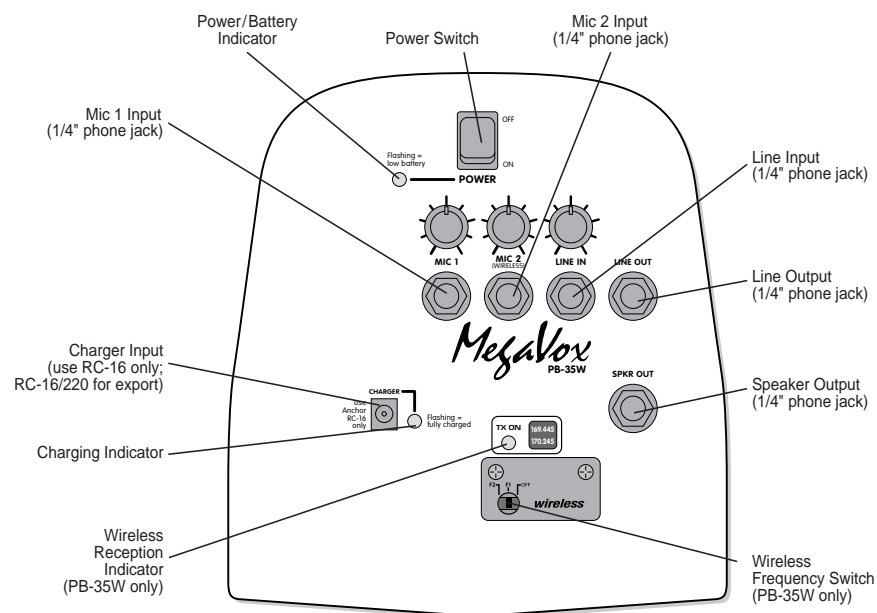
**HANDHELD:** Set the frequency switch inside the battery compartment to match the channel of the receiver. Replace the cover—but don't overtighten!

Frequency Switch

**BODY-PACK:** The power/frequency switch on the transmitter determines the frequency. During use, set the switch to match the frequency of the receiver.

## Operation

### MegaVox Control Panel



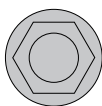
### Operating the sound system

1. Set all input level controls to minimum before turning on the power.
2. Plug a microphone into one of the Mic input jacks, or connect an audio source to the line input.
3. Turn power ON (red LED next to switch will light).  
*If the LED flashes or does not light, the battery must be charged (see page 7).*
4. Adjust the level control adjacent to the input used to desired volume level.



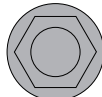
## Operation

MIC 1



### Mic 1 Input

An unbalanced, low impedance microphone input. For use with the Mic-50 supplied with your unit (except PB-35W), or any mic with a 1/4" phone plug which does not require phantom power.

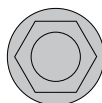
MIC 2  
(WIRELESS)

### Mic 2 Input

An unbalanced, low impedance microphone input (except for model PB-35W; see below). For use with the Mic-50 supplied with your unit, or any mic with a 1/4" phone plug which does not require phantom power.

On PB-35W (wireless) models, the built-in receiver is connected to this input. Use the Mic 2 control to adjust the wireless mic volume. *(Inserting a plug into the Mic 2 input disconnects the wireless input—to use a wired and wireless mic simultaneously, plug the wired mic into the Mic 1 Input.)*

LINE IN

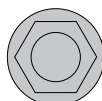


### Line Input

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.

**Note:** All connections must be made with shielded cable to avoid hum, buzzing, or radio interference.

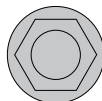
LINE OUT



### Line Output

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 for greater crowd coverage.

SPKR OUT



### Speaker Output

Use the speaker output to drive Anchor's model P-351 companion speaker (in addition to MegaVox's built-in speakers) for greater output.

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



## Battery Operation

### About the battery protect circuit

The automatic battery protection circuit turns the unit off when the battery approaches its ‘critical discharge point’ to prevent damaging the battery.

*When the Battery LED begins flashing, this indicates the battery is low and the unit will shut off in 15 - 30 minutes.*

### Expected service time from the battery

The service time per charge will vary depending on the volume level, type of program usage and whether a companion speaker is used with the system.

Service time per charge (speech input).

medium volume	8 to 12 hours
full volume (before clipping)	3 to 6 hours

### Charging the battery

Plug the RC-16 charger (RC-16/220 for export) into an AC outlet and into the charger input (the Charger LED will light, indicating the battery is being charged). The charger will automatically charge the battery for optimum recovery.

*When the battery is charged (about 8 hours), the Charger LED will flash.* This indicates the charger has switched to the maintenance charge rate—the charger may be left plugged in to maintain a full charge without damaging the battery.

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

Flashing =  
low battery



Flashing =  
fully charged