## Troubleshooting Guide

### Having trouble with the sound system?

<table>
<thead>
<tr>
<th>Condition</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No sound (power LED not lit):</td>
<td>• turn POWER switch ON</td>
</tr>
<tr>
<td></td>
<td>• charge battery</td>
</tr>
<tr>
<td>Charge indicator doesn’t light:</td>
<td>• confirm proper charger; replace if necessary</td>
</tr>
<tr>
<td>No sound (power LED lights):</td>
<td>• turn up volume control of input used</td>
</tr>
<tr>
<td>No sound when using line input:</td>
<td>• make sure all cables are completely plugged in</td>
</tr>
<tr>
<td>Shortened battery life:</td>
<td>• check for output from source</td>
</tr>
<tr>
<td></td>
<td>• charge battery fully; if battery life continues to deteriorate, contact Anchor customer service</td>
</tr>
<tr>
<td></td>
<td>• reduce volume to eliminate distortion</td>
</tr>
<tr>
<td></td>
<td>• if companion speaker is being used with system, make sure it’s Anchor’s model P-351</td>
</tr>
<tr>
<td>Distorted sound:</td>
<td>• lower system volume control</td>
</tr>
<tr>
<td>Excessive hum or noise:</td>
<td>• reduce source output level</td>
</tr>
<tr>
<td></td>
<td>• use shielded cables</td>
</tr>
</tbody>
</table>

### Having trouble with the wireless system?

<table>
<thead>
<tr>
<th>Condition</th>
<th>Possible Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No sound (TX ON indicator lights):</td>
<td>• set MUTE switch to ON (handheld mic only)</td>
</tr>
<tr>
<td></td>
<td>• turn up WIRELESS volume control</td>
</tr>
<tr>
<td></td>
<td>• make sure mic is plugged into bodypack transmitter</td>
</tr>
<tr>
<td></td>
<td>• unplug wired mic from the Mic 2 input</td>
</tr>
<tr>
<td>No sound (TX ON indicator off):</td>
<td>• turn MegaVox POWER switch ON</td>
</tr>
<tr>
<td></td>
<td>• make sure transmitter power switch is ON</td>
</tr>
<tr>
<td></td>
<td>• set receiver and transmitter to same channel</td>
</tr>
<tr>
<td></td>
<td>• replace battery in transmitter</td>
</tr>
</tbody>
</table>

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**ANCHOR Audio, Inc.**  (310) 784-2300  
100-0058-000 / Revision B, 06/97
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: 8Ω, 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.
**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.

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**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.
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.

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.
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!

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

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 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 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 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 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.

**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.

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**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.