



User Guide

Enjoy Your PATRIOT Portable Amplification System

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The *Patriot Portable Amplification System* is one of the best sounding portable systems available today. The *Patriot* has many applications where quality sound in a small portable package is needed. The *Patriot* has many features that are unique to the portable amplification system market. You will see the benefits and hear the clarity that comes from this uniquely designed system, from the moment you turn the system on.

This User Guide has been designed to provide you with product features, troubleshooting tips, and important things to remember and understand about your *Patriot* system. Our goal at Lifeline Amplification Systems is to design high quality systems with superior sound that is easy for the customer to operate. If at anytime you have questions concerning the *Patriot* system, please feel free to call us toll free at: 800-236-4327.

Thank you for purchasing the best in portable amplification systems — *The Patriot!*

EQUIPMENT

- Wireless Transmitter
- LB-1 9-Volt Rechargeable Battery (used in the wireless transmitter)
- CM-2 Collar Mic with SMC-2 cable
- Amplifier/Speaker/Receiver/Battery Unit
- BG-1 Bag

OPTIONAL WAYS TO ORDER THE PATRIOT:

- HM-1 Headset Mic or SM-2 Lapel Mic in place of CM-2 Collar Mic

WARRANTY

All items in the *Patriot* (including parts, labor, accessories, batteries, etc.) are under a full one-year warranty.

Lifeline Amplification Systems Inc. will repair and/or replace, at our option, any unit that does not function properly within the warranty time period. Units under warranty needing repair work or replacement should be returned to Lifeline Amplification Systems freight prepaid. All units under warranty will be returned (freight prepaid) to the customer. Product misuse, neglect, or abuse is not covered under warranty.

REPAIR / CLEANING

Most problems can be solved with the troubleshooting guide in the back of this user guide. If you are having problems after looking at the troubleshooting guide, call us toll free at 800-236-4327 and we would be happy to help you. Patriots sent to Lifeline Amplification Systems for repair should include a ship to address, bill to address, contact name and phone number along with the symptoms of what is wrong with the Patriot. You may also fill out a service order form (available online) and send the unit to:

Lifeline Amplification Systems
Attention: Service Department
41 Means Drive, Suite A
Platteville, WI 53818

WE SUGGEST THAT YOUR SYSTEM BE CLEANED A MINIMUM OF EVERY TWO YEARS. Please contract us for a price quote and shipping instructions.

If you have questions at any time about your Patriot Portable Amplification System, please call us toll-free: 1-800-236-4327

Transmitter

The *Patriot* is available in 35 VHF frequencies.

1. MICROPHONE CABLE INPUT JACK

This jack is used for any 1/8" microphone cable.

2. ON/OFF AND STANDBY SWITCH

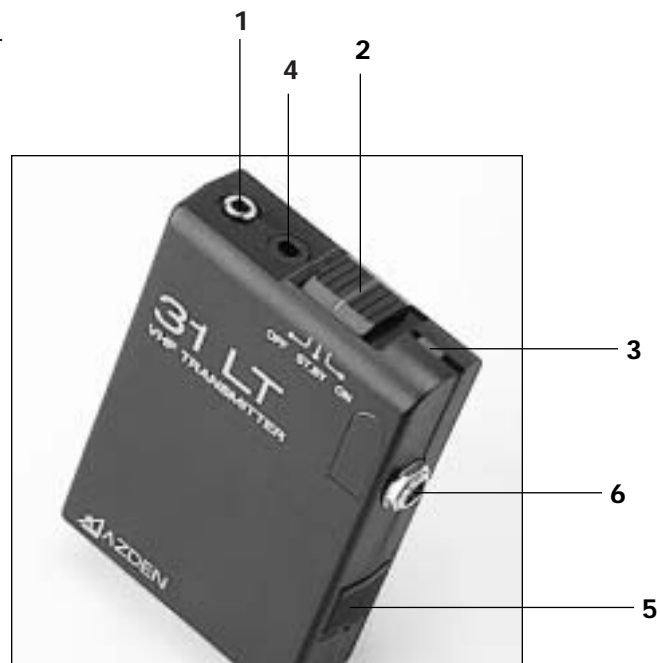
The switch on the transmitter has three positions: off, standby, and on. With the transmitter ON (and the amplifier/speaker is turned on) sound will come through the amplifier/speaker. An initial "pop" sound may be heard when turned to the ON position. When the switch is turned to STANDBY this mutes the microphone however still powers the transmitter. When the switch is in the STANDBY position the unit will not broadcast however it will drain the battery. As a general rule, use STANDBY when the system will be used within a 15 minute time period. If not in use more than 15 minutes, the transmitter should be turned OFF to conserve battery life.

3. POWER INDICATOR LIGHT

The light on the top of the transmitter will shine red when the transmitter is in the STANDBY mode. It will shine green when the transmitter is in the ON position. If the light does not come on when the switch is turned to STANDBY or ON, check the battery.

4. GAIN CONTROL

This is a gain control for output of the microphone. Turning the knob clockwise increases the volume of the mic. Turning it



Transmitter

counter clockwise decreases the microphone volume. This should only be adjusted when all other gain/volume options have been tried.

5. BATTERY COMPARTMENT

The wireless transmitter uses one 9-volt Nickel Metal Hydride rechargeable battery. DO NOT USE ANY OTHER RECHARGEABLE 9-VOLT BATTERY. Average battery life is six hours.

6. CHARGING JACK

This charging jack is used to charge the battery without having to take the battery out of the transmitter. The charger that is provided will charge the transmitter and the amplifier/speaker pack.

Amplifier/Receiver

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1. SPEAKER

This is a specialized speaker that is designed specifically for the *Patriot*.

2. ON/OFF SWITCH

When the switch is in the up position the unit is ON (light on the switch will come on). When the switch is down the unit is OFF and the light on the switch will go off.

3. CHARGER LIGHT

This light will turn on when the charger is plugged into the charge jack and the charger power supply is plugged into electricity.

4. CHARGING JACK

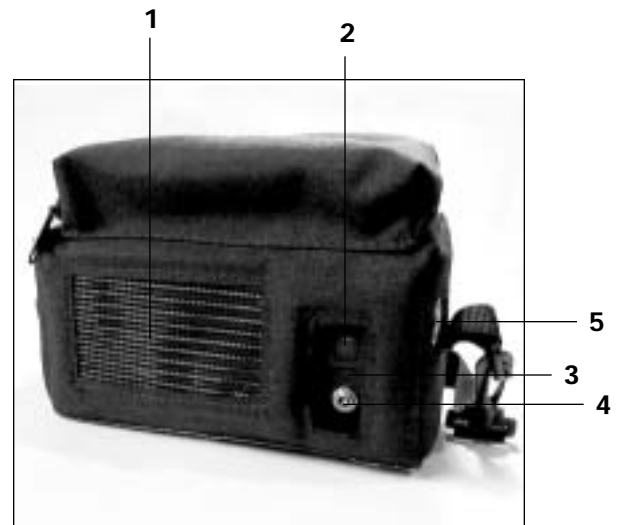
This is used to charge the battery. **ONLY USE THE CHARGER THAT IS PROVIDED BY LIFELINE AMPLIFICATION SYSTEMS.** The light on the charger will indicate **READY** when the battery is fully charged.

5. AUDIO JACK

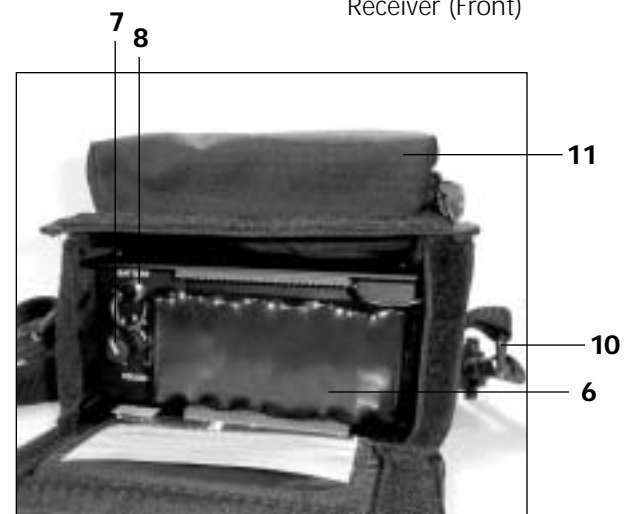
This jack will accept any mono RCA plug. The intention of this jack is for plugging in a compact disc player, tape player, boom box, etc. The wireless **WILL** operate with the unit plugged into this jack. For volume of audio jack see number 7 on this page.

6. BATTERY

This is an eight cell battery specially designed for the *Patriot*. **DO NOT ATTEMPT TO USE ANY OTHER BATTERY PACK WITH THE UNIT.** This battery pack should last 6-8 hours depending on the volume needed, source of material (talking, CD music, etc.). **PART NO. FOR REORDERING IS PTLB-2 BATTERY.**



Receiver (Front)



Receiver (Back)

7. VOLUME CONTROL

This controls the overall volume of both the wireless unit and the audio input jack.

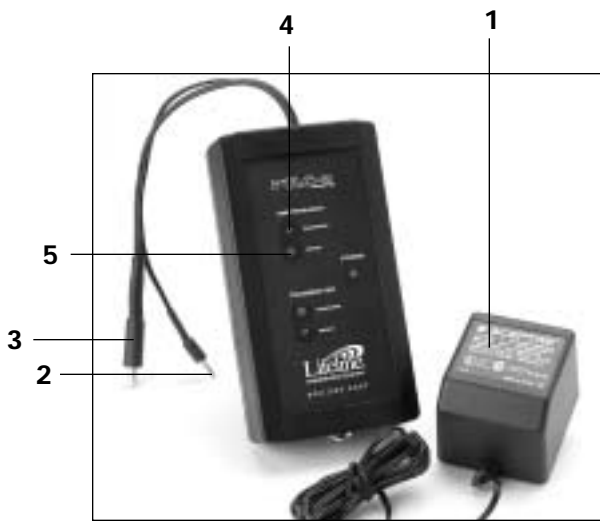
8. BATTERY JACK

This is the input jack for the battery. Be sure the battery plug is firmly plugged into this jack.

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Charger



Charger

1. POWER SUPPLY

This power supply needs to be plugged into electricity for the charger to operate. The opposite end of the power supply (the end not plugged into electricity) needs to be firmly plugged into the charger.

2. AMPLIFIER/RECEIVER PLUG

This plug needs to be inserted into the amplifier/speaker to charge. It is labeled AMP/SPEAKER. The CHARGING or READY light will light up (see numbers 4 and 5) when this is plugged in.

3. TRANSMITTER PLUG

This plug needs to be inserted into the transmitter for charging. It is labeled TRANSMITTER.

4. CHARGING LIGHT

The CHARGING light will light up if the amplifier/speaker and transmitter plug is inserted in the appropriate place and the batteries on either unit are not fully charged.

5. READY LIGHT

The READY light will appear when the batteries on the amplifier/receiver and the transmitter are completely charged. This is a trickle charger so the batteries will not be charging once the units are fully charged. This will prevent overcharging of the batteries and a longer battery life. Even though it's a trickle charge, it is still not recommended to have charger plugged into the amp/speaker or transmitter for more than seven days. **FOR REORDERING PURPOSES THE CHARGER PART NO. IS PTLC-2.**

(Amplifier/Receiver continued)

9. RECEIVER

The receiver is installed inside the metal enclosure. The receiver frequency must match the frequency of the transmitter.

10. STRAP

This strap is adjustable to the length desired. The strap can also be detached if needed.

11. POUCH

This pouch can hold the transmitter if necessary for easy carrying.

** The amplifier/speaker and wireless can be turned on and used while charging. You may hear a very small buzz in the speaker when you attempt to use the Patriot when charging the battery. The Patriot can safely be used in this manner.*

Operation Of Your System The First Time

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1. CHARGE THE BATTERIES IN BOTH THE TRANSMITTER AND THE AMPLIFIER/SPEAKER UNTIL THE CHARGER READS READY.

To properly charge the batteries follow these instructions:

- A) Plug the charger power supply into an electrical outlet.
- B) Check and make sure the battery is plugged into the amplifier/speaker.
- C) Insert the 9-volt rechargeable battery (included in the system) into the transmitter.
- D) Plug the charger end labeled **AMPLIFIER/SPEAKER** into the amplifier/speaker unit. The **CHARGING** light should appear on the charger. The charging light on the amplifier/speaker should light up as well.
- E) Plug the end labeled **TRANSMITTER** into the transmitter.
- F) Charge the batteries until the **READY** light lights up. Unplug the transmitter and the amplifier/speaker plugs. You can leave the power supply plugged into the electrical outlet. No harm can be done with the charger plugged into electricity and the ends exposed.

2. SET THE VOLUME CONTROL ON THE BACK OF THE AMPLIFIER/SPEAKER TO NUMBER 4 (11 o'clock position). This is a good starting volume.

3. SET THE AMPLIFIER/SPEAKER TO THE LOCATION WHERE THE UNIT WILL BROADCAST FROM.

4. TURN THE AMPLIFIER/SPEAKER UNIT ON. The LED in the switch should light up.

5. INSERT THE PLUG FOR THE COLLAR MIC INTO THE TRANSMITTER.

6. PLACE THE COLLAR MIC AROUND YOUR NECK and adjust the microphone so that it is no more than 3 inches from your mouth.



7. TURN THE TRANSMITTER SWITCH TO THE ON POSITION. A soft, audible "pop" may be heard through the speaker. This is normal.

Turn the transmitter off to save battery power if the user is not going to operate the system for more than 15 minutes. Turn the transmitter to **STANDBY** if the user is going to operate the system within a 15 minute time period but currently does not want to broadcast.

8. THE USER SHOULD NOW BE BROADCASTING. You can adjust the **VOLUME** on the back of the amplifier/speaker to the proper volume setting. At any time during operation you can plug in an audio input such as a compact disc player, tape deck, etc.

If you have questions at any time about your Patriot Portable Amplification System, please call us toll-free: **1-800-236-4327**

Troubleshooting Guide

IF YOUR SYSTEM IS NOT WORKING...

Check the **transmitter**.

Is the power indicator light, on top of the transmitter GREEN? If there is no green light on top of the transmitter, then the battery needs to be recharged or replaced. If the light is RED, turn the transmitter switch from STANDBY to ON. Average battery life is **six hours**.

Check the **amplifier/speaker**.

Is the light on the ON/OFF switch on the amplifier/ speaker lighted? If this is not on then check the following:

- 1) Is the switch in the upwards or ON position?
- 2) Is the battery plugged into the battery jack in the back of the amplifier/speaker?
- 3) Has the battery been recharged more than 250 times or is it more than two years old? Typical life of a battery is 250-500 recharges. There is a number on the battery. The first number is the month and the second number is the year the battery was purchased. This will help determine the life of the battery.

Check the **charger**.

When charging the amplifier/speaker and the transmitter, is the charging light lighted? If no READY or CHARGING light is lighted check to make sure both plugs are properly inserted into the transmitter and amplifier/speaker AND make sure the charger is plugged into electricity. The power supply must be properly plugged in to charge.

IF YOUR SYSTEM EXPERIENCES FEEDBACK...

Adjust the **collar mic, headset mic or lapel mic...**

...so that the collar or headset mic is no more than 3 inches from your lips OR the lapel mic is no more than 6 inches from your lips. If more volume is needed, increase the volume on the amplifier/ speaker or increase the volume with the gain control on the transmitter.

Adjust or **change the location...**

...of the amplifier/speaker. Feedback is caused with the human voice goes through a microphone, through an amplifier/speaker, and back through the microphone causing a loop.

Attempt to lower the **gain control...**

...on the transmitter and increase the gain on the amplifier/speaker.

(continued)

Troubleshooting *(continued)*

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IF YOUR SYSTEM PICKS UP SOMETHING OTHER THAN THE VOICE OF THE USER...

Call Lifeline Amplification Systems.

A change in frequency may be needed.

IF YOUR SYSTEM CUTS IN AND OUT...

Check the **battery in the transmitter.**

Make sure the battery in the transmitter is fully charged. Try a 9-volt Energizer or Duracell battery. NEVER charge an Energizer or Duracell battery.

Check the **microphone cable.**

Wiggle the microphone cable. If the unit cuts in and out while this cable is being moved you need to replace the cable.

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