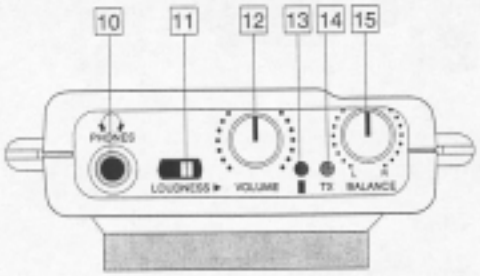
Guided Tour - Wireless EarAmp® Receiver



10: Headphone jack - Connect the supplied stereo earbuds (or third-party earpieces—see Appendix D on page 13 in this manual for more information) to this standard 1/8" (3.5 mm) mini-phone jack in order to monitor the signal being output by the Wireless EarAmp®. The level of the headphone signal is set by adjusting the Volume control (see #12 below). Maximum output is 200 mW @ 32 ohms.

11: Loudness switch - At normal listening levels, this should be left off (with the switch to the left). When using the Wireless EarAmp® at low signal levels, turning this on (placing the switch on the right) will improve legibility by boosting both bass and treble frequencies.

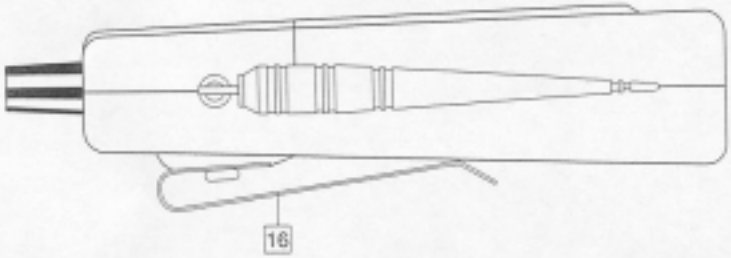
12: Volume control - Use this to set the level of the signal in connected earbuds.

13: Battery LED - This LED lights red when battery level is low and the battery needs to be replaced.

14: TX LED - This LED lights steadily green whenever the Wireless EarAmp® receiver is receiving RF signal from the transmitter and flashes when the receiver is being reprogrammed to operate at a different radio frequency. Both the receiver and transmitter must be set to the same RF frequency for correct operation. See the "Setting Up and Using The Wireless EarAmp®" section on page 8 of this manual for information on how to program the receiver to operate at the selected transmitter frequency.

15: Balance control - Adjusts the relative levels of the two signals being received by the Wireless EarAmp®. When set at the center 12 o'clock position, both signals are presented to connected earbuds at equal strength. When the Wireless EarAmp® is operating in "Stereo" mode (that is, when the 2 CH/Stereo switch [see #6 on the previous page] is set to "Stereo,") turning the balance control clockwise increases the relative amount of right channel signal (that is, the signal in your right ear) and turning it counterclockwise increases the relative amount of left channel signal (that is, the signal in your left ear). When the Wireless EarAmp® is operating in "2 CH" mode (that is, when the 2 CH/Stereo switch [see #6 on the previous page] is set to "2 CH,") both channels are internally mixed to mono and routed to both earbuds. In 2 CH mode, turning the balance control clockwise increases the relative amount of right channel signal (though it will be heard in both ears) and turning it counterclockwise increases the relative amount of left channel signal (again, heard in both ears). See Appendix C on page 12 in this manual for more information

16: Belt clip - Use this to clip the Wireless EarAmp® receiver to your belt for convenient operation.



Setting Up and Using The Wireless EarAmp®

Setting up your Wireless EarAmp® is a simple procedure which takes only a few minutes:

1. Remove all packing materials (save them in case of need for future service) and locate the Wireless EarAmp® transmitter so that there is an unobstructed line of sight between it and the receiver(s) in your system (any number of receivers—all receiving the same signal—can be used with a single transmitter. Be sure, however, that the receivers never come within 10 feet of the tranmitter antenna). For convenience, the EarAmp® transmitter is rack-mountable, requiring just a single space. Mount the supplied antenna to the transmitter by inserting the BNC connector and twisting clockwise until snug. The antenna mounting is adjustable; however, it is best to begin with it in an upright position.

2. Press gently up on the EarAmp® receiver's battery door release (see #1 on page 6) and swing the door open in order to access the battery compartment. Note that the door is hinged and is not intended to be removed from the case. Insert a 9-volt alkaline battery, being careful to observe the polarity markings. **Warning: Reversing the battery polarity may cause permanent damage to your EarAmp® receiver.**

3. Turn the receiver power switch "On" (see #8 on page 6). The Battery LED (see #13 on page 7) will light red if the battery is weak and needs to be replaced. Once you've verified battery strength, turn the power switch "Off" again.

4. Close the receiver battery door by swinging it gently upwards until you hear the door release click.

5. Turn off all audio equipment (mixers, amplifiers, etc.) in your system and make the physical cable connections between your mixer (typically aux sends, cue sends or line outputs) and the Main inputs of your Wireless EarAmp® transmitter. **WARNING: Be sure to connect only line-level inputs to the EarAmp® transmitter; connecting amplifier outputs or other powered ("speaker") outputs can cause severe damage and will void your warranty.** If you want to transmit additional signal, use the Aux inputs and/or the Daisy Chain inputs. Note that the Daisy Chain inputs can also serve as outputs, routing the signal connected to the Main inputs at unity gain. We recommend the use of balanced three-conductor cabling wherever possible (unbalanced two-conductor 1/4" plugs can also be inserted into these inputs, but you'll get better signal quality and less outside noise and hum if you use balanced lines). When connecting stereo signals, set the rear panel Stereo/Mono switch to the "Stereo" position. When connecting monophonic signal(s), use the left jack(s) only and set the rear panel Stereo/Mono switch to the "Mono" position.

6. Connect the supplied power adapter to the transmitter's rear panel DC connector (first looping the cable around the strain relief, as silk-screened on the rear panel) and plug the other end into any 3-pin grounded AC socket. **WARNING: The substitution of any other kind of power adapter can cause severe damage to the Wireless EarAmp® transmitter and will void your warranty.**

7. Turn the Phones Level and Input Level controls on the EarAmp® transmitter completely counterclockwise (to the "-10" position) and depress the front panel power switch to turn the unit on. The display section will light up.

8. Next, select the radio frequency you wish to use for your transmitter and receiver(s). Turn on the power to your Wireless EarAmp® receiver, place both antennas in an upright position, and set the Volume knob to minimum (fully counterclockwise). Do not place the earbuds in your ears yet.

8a. If only a single EarAmp® system is being used, the transmitter can be placed in "Frequency" mode by pressing the front-panel Frequency button; the Up/Down buttons can then be used to directly enter the desired radio frequency. However, if two or more transmitters and receivers are being used at the same location, the Wireless EarAmp® transmitter must be set to Group/Channel mode, by pressing the front-panel Channel button. In a multi-transmitter setup, *all devices must be set to the same Group* (though each transmitter/receiver pair must use its own Channel) or intermodulation noise may occur. Press both the Channel and Frequency buttons simultaneously; the word "Group" will begin flashing. The Up/Down buttons can now be used to select the desired Group. Once you've selected the Group you want, press the Channel button again and use the Up/Down buttons to select a Channel within that Group (see Appendix B on page 11 in this manual for a complete channel plan).