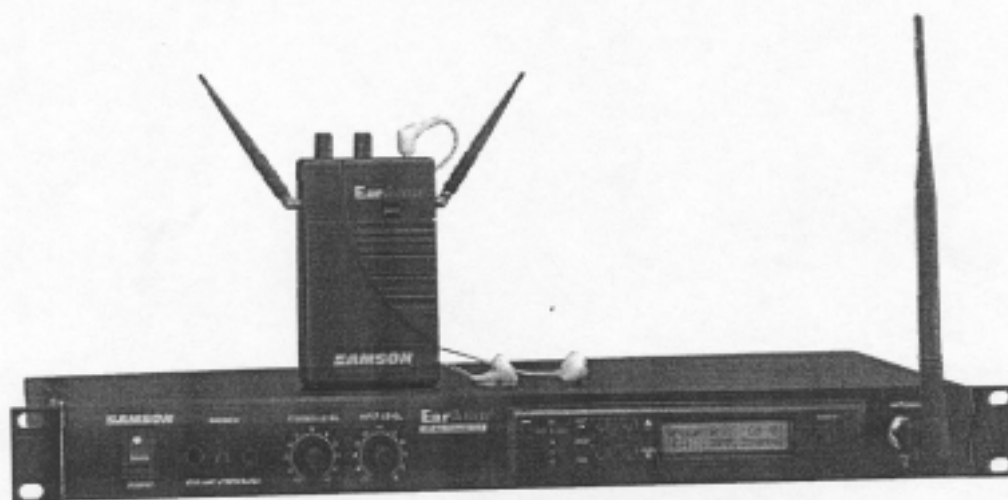


EarAmp

UHF WIRELESS IN EAR MONITOR



OWNERS MANUAL

U.S. Version

SAMSON®

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Introduction

We know you don't like reading owners manuals, but you've just purchased one of the most unique wireless audio products around, and we want to tell you about it! So, before you plug in and start making music, we'd like to suggest you take just a few moments out to scan these pages. We'll make it as painless as possible, we promise—and, who knows, you might just pick up a tip or two.

The Samson Wireless EarAmp® is designed to bring professional in-ear monitoring to a wide range of users. By eliminating the need for loud onstage "wedge" monitors, it allows you to hear yourself better, greatly reduces feedback problems, and makes the overall sound coming from the stage significantly cleaner. You'll find that this portable, lightweight system provides superlative audio quality and extensive control at an extremely affordable price. Capable of operating in both stereo and dual mono "2-channel" mode, the Wireless EarAmp® receiver provides individual volume and balance controls for the best possible mix, separate bass and treble controls to fine-tune the signal, and a built-in adjustable limiter to protect your ears. The Wireless EarAmp® transmitter also offers a host of advanced features, including stereo/mono operation, dual stereo inputs with independent level controls and 15 dB attenuation pads, dual headphone outputs with dedicated level control, "daisy-chain" input/outputs for routing signal to or from external devices, a large backlit LCD display and a 5-segment audio VU meter—there's even provision for optional computer remote control! Operating in the 614 - 662 MHz range, the Wireless EarAmp® system is extraordinarily frequency-agile, meaning that it can be used almost anywhere in the United States, and a unique automatic programming feature allows the receiver to instantly be set to the same radio frequency as the transmitter, with just the push of a single button.

In these pages, you'll find an overview of Wireless EarAmp® features, a "Quickstart" (for those of you with wireless experience), and a guided tour of its various controls. Then we'll detail how to set up the Wireless EarAmp® as well as how to adjust it for the best sound quality. Finally, we'll wrap things up with reference appendices and full specifications. You'll also find a warranty card enclosed—please don't forget to fill it out and mail it so that you can receive online technical support and so we can send you updated information about other Samson products in the future. Also, be sure to check out our website (<http://www.samsontech.com>) for complete information about our full product line.

SPECIAL NOTE: Should your Wireless EarAmp® system ever require servicing, a *Return Authorization* number (RA) is necessary. Without this number, the unit will not be accepted. Please call Samson at 1-800-372-6766 for a Return Authorization number prior to shipping your unit. Please retain the original packing materials and, if possible, return the Wireless EarAmp® in its original packing materials.

WARNING!

This product is capable of causing permanent damage to your hearing if used at excessive volumes!

To protect your hearing, the Samson Wireless EarAmp® should always be used at as low a volume as possible. We recommend that you stringently follow the guidelines established by the U.S. Occupational Safety Health Administration (OSHA) regarding maximum time exposure at various sound pressure levels:

- *Don't use this product for more than 8 hours at 90 dB SPL*
- *Don't use this product for more than 4 hours at 95 dB SPL*
- *Don't use this product for more than 2 hours at 100 dB SPL*
- *Don't use this product for more than 1 hour at 105 dB SPL*
- *Don't use this product for more than 1/2 hour at 110 dB SPL*
- *Don't use this product for more than 15 minutes at 115 dB SPL*
- ***Don't operate at listening levels of greater than 120 dB SPL!***

Pay attention to what your ears are telling you! Ringing is a sign that you have set the gain levels too high and that damage may result. We recommend that you consult with a qualified audiologist if you exhibit ringing or any other symptoms.

Wireless EarAmp® System Features

The Samson Wireless EarAmp® system utilizes state-of-the-art technology in personal monitoring. Its main features include:

- Excellent audio quality, with superior frequency response and low distortion.
- An extraordinary degree of frequency agility. The operating frequency can be selected either by Group and Channel (there are 8 Groups of 16 Channels each) or by direct frequency selection (in 25 kHz increments between 614.35 and 662.0 MHz). This makes the Wireless EarAmp® eminently suitable for traveling performances and allows it to be used in even the most "RF-hostile" urban environments.
- Group numbers correspond to U.S. TV channel numbers so it is easy to select a known vacant channel.
- Any number of receivers can be used with a single transmitter.
- Unique automatic receiver program function allows RF resetting at the push of a ~~single~~ button. *Two buttons - 1 RX 1 TX*
- PLL synthesized technology minimizes spurious emissions and provides solid, stable performance.
- Convenient belt clip for and flesh-colored ear buds for unobtrusive, nearly "invisible" usage.
- Receiver offers dedicated volume and center detented balance controls, along with independent bass and treble controls allow each user to set up the optimum in-ear mix. There's even a Loudness switch for improved legibility when operating at low signal levels.
- Receiver provides stereo and dual mono ("2 CH") modes for maximum flexibility. In "2 CH" mode, the balance control enables you to adjust the blend of the two incoming signals, which are mixed internally to mono and routed to both ear buds.
- Receiver has a high-powered 200 mW 1/8" (Walkman-type) headphone output, while the transmitter offers dual 1/4" and 1/8" (Walkman-type) headphone jacks.
- Built-in adjustable limiter helps protect your ears from transients and signal overloads.
- Receiver utilizes microprocessor true diversity for maximum range, tone key squelch for rejection of spurious signals, and noise reduction for crystal-clear sound.
- Receiver operates on a standard 9-volt battery, with battery life of four hours or more.*
- Battery LED indicator shows you when the receiver battery needs to be replaced.
- Unique "daisy-chain" parallel inputs/outputs allow a third signal source to be input or external monitoring of incoming audio signal to the transmitter.
- Transmitter operates in stereo or mono mode, and provides dual inputs (Main and Aux), with independently adjustable input level for each, as well as a five-segment input level VU meter to allow optimum gain settings. In addition, a large back-lit LCD display also shows the currently selected Group/Channel and radio frequency.
- Switchable 15 dB pad for main and auxiliary inputs allows the Wireless EarAmp® system to be used with a wide variety of signal sources.
- Transmitter is rack-mountable in any standard 19" rack (taking only a single space) for portability and easy integration into existing systems.
- Computer interface allows optional remote control of all transmitter functions via software.
- Rugged construction of all components makes the Wireless EarAmp® eminently roadworthy.

* Typical usage. Actual battery life may vary depending upon headphone output level.

