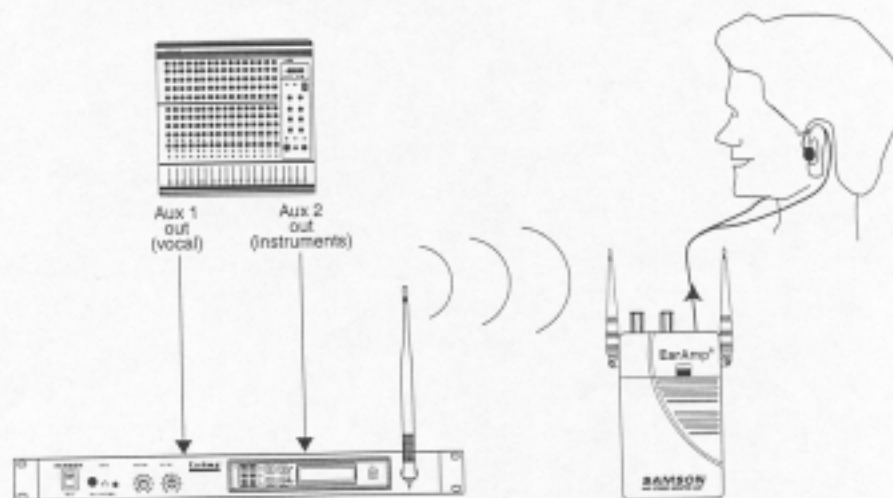


Appendix C: Using 2 Ch Mode

The Wireless EarAmp®'s unique dual mono "2 CH" mode makes it possible for you to have direct control over the blend of two separate signals, simply by turning the Balance knob. If you're a vocalist, the most typical application is to route the vocal signal only to one mixer aux send and the instrument accompaniment signal to the other aux send, as shown in the illustration below. This way, by turning the Balance knob one way, you'll hear more of your vocal and less of the instruments; by turning it the other way, you'll hear less of your vocal and more of the instruments.



Similarly, if you're a guitarist, you can route guitar signal only to one mixer aux send and a mix of all other signals to the other mixer aux send; the Wireless EarAmp® Balance control will then give you the ability to hear as much or as little of your instrument—relative to the overall mix—as you like.

Specifications

SYSTEM

Frequency Coverage	614 to 662 MHz
Channels Available	128 (8 groups with 16 channels each) Direct frequency selection to nearest 25 kHz
Channel Selection	Front panel selection of group and channel or direct frequency select
Transmitter:	Backlit LCD indicates actual operating frequency at all times, in addition to group and channel
Receiver:	Auto programmed via RF data transfer from transmitter Program mode is activated by program switches on transmitter and receiver
RF Range:	Approximately 300 feet (91 m)
System Modulation:	FM, Multiplex Stereo, ± 50 kHz deviation of main carrier
Noise Reduction:	Sarnson compander system
Audio Frequency Response:	40 Hz to 15 kHz
Audio Distortion:	0.8% nominal
SN Ratio:	> 60 dB (> 50 μ V at receiver, stereo or > 15 μ V at receiver, mono)
Stereo Channel Separation:	40 dB nominal

TRANSMITTER

RF Output	50 mW
Main Audio Inputs (L & R) Connectors Impedance Attenuator Level	Neutrik Combo (XLR or 1/4" phone) jacks 40K Ohms, balanced or 20K Ohms, unbalanced Switch selected, 0 or -15 dB -10 dBu nominal, +11 dBu maximum (attenuator out) +4 dBu nominal, +25 dBu maximum (attenuator in)
Delay-Chain Out (L & R) Connectors Electrical	1/4" phone jacks Wired in parallel with main audio inputs
AUX Audio Inputs (L & R) Connectors Impedance Attenuator Level	1/4" phone jacks 40K Ohms, balanced or 20K Ohms, unbalanced Switch selected, 0 or -15 dB - dedicated to the AUX inputs -10 dBu nominal, +11 dBu maximum (AUX attenuator out) +4 dBu nominal, +25 dBu maximum (AUX attenuator in)
Limiter	Limits maximum modulation to comply with regulatory limits Permits overdrive up to 20 dB with low distortion
Power	12 VDC, 500 mA from supplied AC adapter

RECEIVER

Audio Output Power	200 mW / CH, 1% THD into 32 Ohm load, 9 VDC 120 mW / CH, 1% THD into 32 Ohm load, 7 VDC 70 mW / CH, 1% THD into 32 Ohm load, 6 VDC
Audio Output Limiter	Adjustable from > 200 mW to < 50 mW into 32 Ohms
Low Frequency EQ	± 10 dB @ 150 Hz
High Frequency EQ	± 10 dB @ 5000 Hz
Loudness Switch	Flat or Loudness contour, selectable with slide switch
Battery Requirement	7 VDC to 9 VDC for full spec operation up to 120 mW audio output 6 VDC to 7 VDC for reduced spec operation 9 V Alkaline or Alkaline Plus (Duracell MN1604 - Ultra is suggested)
Low Battery LED	Illuminates when voltage drops below 7 VDC
Battery Life	4 hours typical - volume level dependent