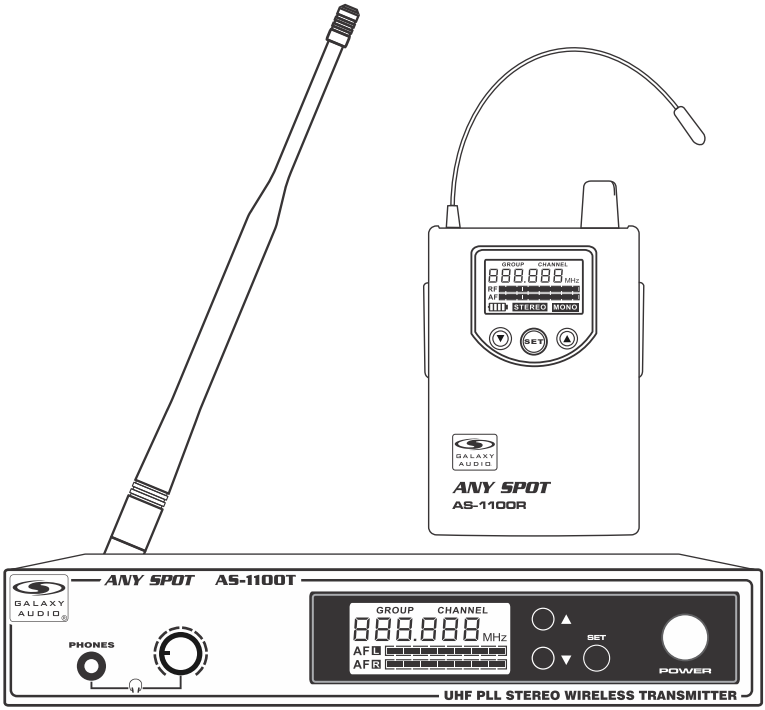
AS-1100 UHF

USER'S MANUAL

ANY SPOT

WIRELESS PERSONAL MONITOR



www.galaxyaudio.com/AS1100.php

GALAXY AUDIO

MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR



USING THIS SYSTEM AT EXCESSIVE VOLUMES CAN CAUSE PERMANENT HEARING DAMAGE. USE AS LOW A VOLUME AS POSSIBLE.

WARNING!

In order to use this system safely, avoid prolonged listening at excessive sound pressure levels. Please use the following guidelines established by the Occupational Safety Health Administration (OSHA) on maximum time exposure to sound pressure levels before hearing damage occurs.

90 dB SPL at 8 hours	110 dB SPL at ½ hour
95 dB SPL at 4 hours	115 dB SPL at 15 minutes
100 dB SPL at 2 hours	120 dB SPL — avoid or damage may occur
105 dB SPL at 1 hour	

It is difficult to measure the exact Sound Pressure Levels (SPL) present at the eardrum in live applications. In addition to the volume setting on the Personal Monitors, the SPL in the ear is affected by ambient sound from floor wedges or other devices. The isolation provided by the fit of quality earpieces is also an important factor in determining the SPL.

Here are some general tips to follow in the use of this product to protect your ears from damage.

- Turn up the volume control only far enough to hear properly.
- Ringing in the ears may indicate that the gain levels are too high. Try lowering the gain levels.
- Have your ears checked by an audiologist on a regular basis. If you experience wax buildup in your ears, stop using the system until an audiologist has examined your ears.
- Wipe the ear molds with an antiseptic before and after use to avoid infections. Stop using the earphones if they are causing great discomfort or infection.

! IMPORTANT SAFETY INSTRUCTIONS !

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. DO NOT defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
13. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
14. DO NOT expose the apparatus to dripping and splashing. DO NOT put objects filled with liquids, such as vases, on the apparatus.
15. Remove the batteries from the receiver if the system will not be used for a long period of time. This will avoid any damage resulting from a defective, leaking battery.
16. DO NOT throw used batteries into a fire. Be sure to dispose of or recycle used batteries in accordance with local waste disposal laws.

LICENSING INFORMATION

THIS RADIO EQUIPMENT IS INTENDED FOR USE IN PROFESSIONAL ENTERTAINMENT AND SIMILAR APPLICATIONS.

Changes or modifications not expressly approved by Galaxy Audio Incorporated could void your authority to operate the equipment. Licensing of Galaxy Audio wireless microphone equipment is the user's responsibility, and licensability depends on the user's classification and application, and on the selected frequency. Galaxy Audio strongly urges the user to contact the appropriate telecommunications authority concerning proper licensing, and before choosing and ordering frequencies.

NOTE: THIS EQUIPMENT MAY BE CAPABLE OF OPERATING ON SOME FREQUENCIES NOT AUTHORIZED IN YOUR REGION. PLEASE CONTACT YOUR NATIONAL AUTHORITY TO OBTAIN INFORMATION ON AUTHORIZED FREQUENCIES FOR WIRELESS MICROPHONE PRODUCTS IN YOUR REGION

Licensing: Note that a ministerial license to operate this equipment may be required in certain areas. Consult your national authority for possible requirements.

FCC Consumer Alert for Wireless Microphones (U.S.)

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device. Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change.

For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at www.fcc.gov/cgb/wirelessmicrophones

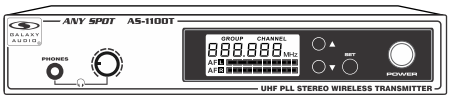
Introduction

Thank you for choosing a Galaxy Audio Wireless Personal Monitor system. You have joined thousands of other satisfied customers. Our years of professional experience in design and manufacturing ensure our products' quality, performance and reliability.

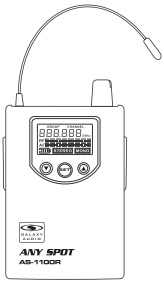
System Components

All AS-1100 systems include the following components:

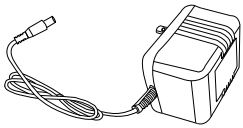
AS-1100T Transmitter
AS-1100R Receiver
Power Supply
One Pair EB-3 Earbuds
One Antenna
Rack Ears
User Manual



AS-1100T
Transmitter



AS-1100R
Body Pack Receiver



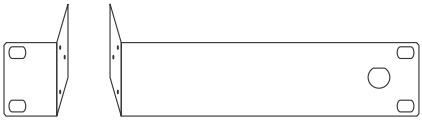
PS-13.5-.35.5
Power Supply



EB-3
Earbuds



Antenna



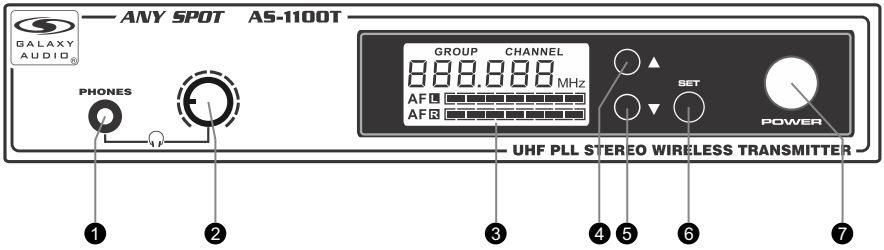
MRE900/1100
Rack Ears



User's Manual

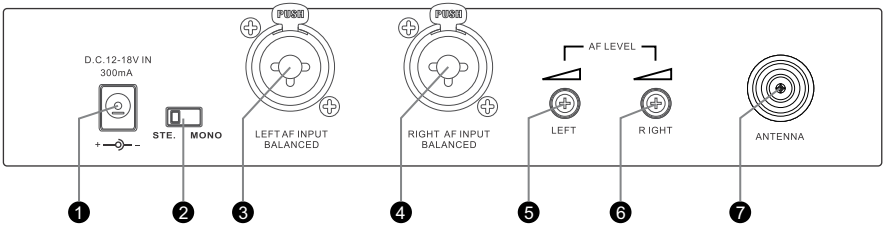
AS-1100T Transmitter Features:

Front Panel:

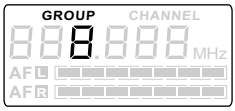


1. Headphone Jack.
2. Headphone Output Level Control. Turn left to decrease the level, turn right to increase the level.
3. LCD screen. Please See (System Setup) on page 4.
4. Transmitter Menu Up Button. Please See (System Setup) on page 4.
5. Transmitter Menu Down Button. Please See (system setup) on page 4.
6. Transmitter Set Button. Please See (System Setup) on page 4.
7. On/Off Switch. Press and hold two seconds to turn On, press and hold to turn Off.

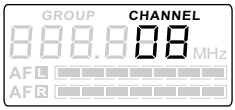
Back Panel:



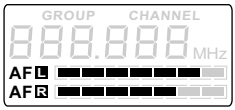
1. DC Power Input Jack.
2. Stereo/Mono Switch. Stereo position preserves Left/Right signals throughout system. Mono position mixes Left/Right signals together.
3. Left Channel XLR/1/4" Combo Input Jack.
4. Right Channel XLR/1/4" Combo Input Jack.
5. Left Channel Input Level Control.
6. Right Channel Input Level Control.
7. Antenna Jack. 50 ohms.



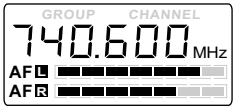
①



②



③



④

Transmitter Programming:

Select a Group and/or Channel:

Press SET button. While Group number is flashing, press ▲ or ▼ button to select a group as shown in ①. Then press SET button again. While Channel number is flashing, press ▲ or ▼ button to select a Channel, as shown in ②.

Note: When using multiple systems, for optimum results set all of the systems to the same group number and select a different channel number for each system in that group.

Audio Input Level Display:

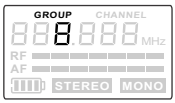
Displays left and right channel audio input level, as shown in ③.

Full Display:

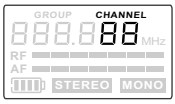
Displays left and right channel audio input levels and selected frequency, as shown in ④.

Note: Adjust audio input levels to peak on only the loudest signals.

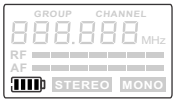
Receiver screen



⑤



⑥



⑦

Body Pack Receiver Programming

Select a Group and/or Channel:

Press and hold SET button. While GROUP number is flashing, press ▲ or ▼ button to select a Group as shown in ⑤ . Then press SET again. While CHANNEL is flashing, press ▲ or ▼ button to select a channel, as shown in ⑥.

Battery Status:

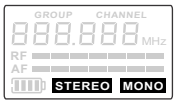
Five level Battery Status Indicator, as shown in ⑦. Replace batteries when indicator starts blinking.

Stereo/Mono Mode Display:

The STEREO or MONO indicator ⑧ will automatically light to display the type of signal being received, as selected on the Transmitter.

Full Display:

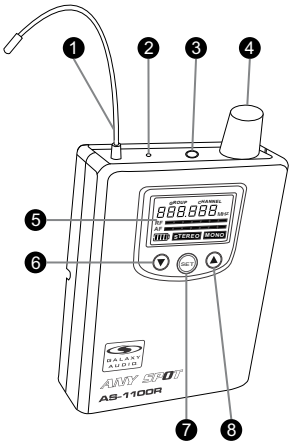
Displays Battery Status, RF/Audio Level, Stereo/Mono Mode and Selected Frequency, as shown in ⑨.



⑧

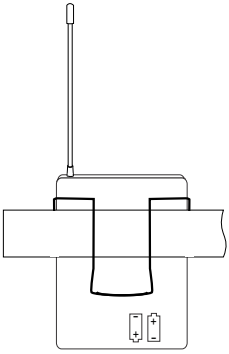


⑨



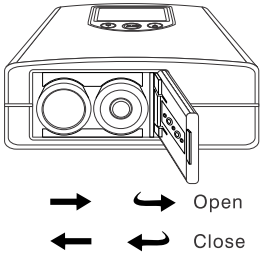
Features:

1. Antenna.
2. RF Signal LED.
   Lights when RF Signal is received.
3. Earphone Jack.
4. Output Level Control and On/Off Switch.
5. LCD Screen.
   Please See (System Setup) on page 4.
6. Receiver Menu Down Button.
   Please See (System Setup) on page 4.
7. Receiver programming SET Button.
   Please See (System Setup) on page 4.
8. Receiver Menu Up Button.
   Please See (System Setup) on page 4.



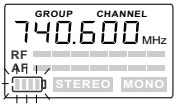
Wearing the Body Pack Receiver

Clip the receiver to a belt. For best results, slide the receiver until the belt is pressed against the base of the clip.



Changing Batteries

Expected life for two Alkaline batteries is approximately 6 hours. When the LCD Battery Indicator is flashing (see below), the batteries should be changed immediately, as shown on the left.



Specifications

System

Band: UHF
Frequency Range: CODE D **584~607 MHz**
CODE L **655~679 MHz**
Transmitter Output Level: 10dBm
Operating Range Under Typical Conditions
300' (92m)
Note: Actual range depends on RF signal absorption, reflection, and interference.
Audio Frequency Response: +/-3dB 60Hz~16KHz
Total Harmonic Distortion: +/-30KHz deviation 1KHz tone <1%
Dynamic Range: >90dB A-weighted
Operating Temperature Range:
14ºF to 122ºF (-10º C to +50º C)
Note: battery characteristics may limit this range

Transmitter

Max Audio input level: +6dBV
Gain Adjustment Range: 40dB
Input Impedance: 100KΩ
Dimensions: 1.5" x 8.3" x 3.78"
(38 x 212 x 96mm) (HWD)
Weight: 21oz. (605g)
Power Requirements: 12-18 VDC at 300 mA (supplied by external power supply)
XLR input:
Impedance balanced
Pin1 Ground (cable shield)
Pin2 Audio
Pin3 No Audio

Body Pack Receiver

Audio Output Level: 100mW
Sensitivity: -94dBm for 30dB
Image Rejection: >55dB
Dimensions: 3.74" x 2.6" x 1"
(95 x 65 x 25mm) (HWD)
Weight: 3.5oz. (100g) without batteries
Power Requirements: 2 (AA) size alkaline or rechargeable batteries
Battery Life: About 5 hours

Accessories and Replacement Parts

Many of these parts and accessories may be found and purchased from the Galaxy Audio website in either the Galaxy Store (www.galaxyaudio.com/store.php) or in the accessories tab of each products web page.



AS-EXTBNC - BNC Connector and Cable for front mounting the antennas on the DHTQUAD.



AS-ANTBNC - Replacement BNC Antenna for use with Galaxy Audio Wireless Personal Monitors. (Part number will vary based on the Frequency Code of specific unit)



AS-CLIP911R - Replacement Belt Clip for AS-900, AS-1100, MBP52, & MBP64



PS-13.5-.35.5 - 600mA Replacement Power Supply for AS-900, AS-1100, AS-1800, VES, VSC, ECD, ECM, PSE, & DHT.



AS-UA12-14.5 - 1000mA Universal Power Supply for Replacement Power Supply for AS-900, AS-1100, AS-`1800, VES, VSC, ECD, ECM, PSE, DHT, DHTRQUAD, & CTS. Includes adapters for most other countries.



ANT-PDL - Directional antenna used to decrease interference to other equipment. Frequency range 500-900MHz The UHF wide-band (500-900 MHz) directional LPDA (log periodic dipole array) antenna reduces outside interference while providing increased send/receive signal range. Each antenna paddle is matched to 50 ohms impedance with a low-loss BNC connector; 7dBi gain. For permanent or temporary installation; mounts to 5/8"-27 threads.



EB3 - Ear buds which come standard with our Wireless Personal Monitor Systems with 1/8" - 3.5mm Jack.



EB3S - Replacement Sleeves for EB-3 Ear Buds. 5 pair in each pack. Available in Small, Medium, or Large.



MRE900/1100 - Replacement Single Rack Kit for AS-900 & AS-1100: 2 pieces with screws.



BATTCVR11005264 - Replacement Battery Cover for AS-1100 Body Pack.

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THREE YEAR LIMITED WARRANTY

WARRANTY Information can be viewed online at
http://www.galaxyaudio.com/warranty.php

www.galaxyaudio.com/warranty.php

AS-1100
USER'S MANUAL

Specifications in this manual are subject to change without notice.
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