

PSE

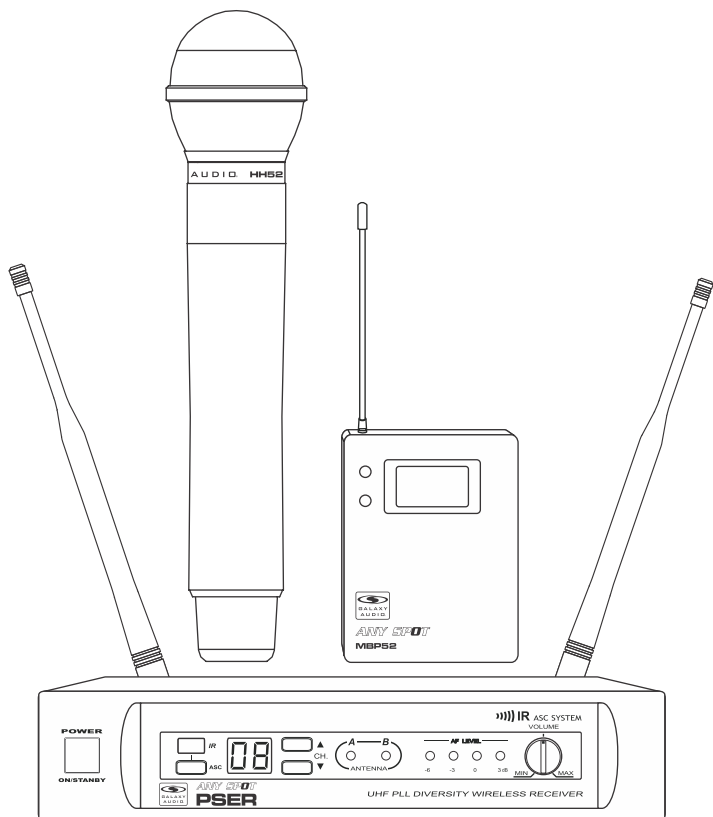
UHF



USER'S MANUAL

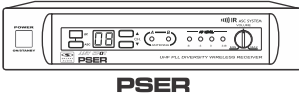
ANY SPOT[®]

WIRELESS MICROPHONE SYSTEM



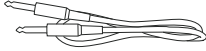
MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR

System Components



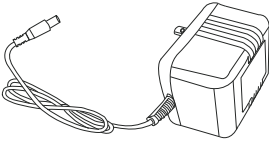
All PSE systems include the following components:

- PSE Receiver
- One 1/4" Audio Cable
- Power Adapter
- Two Antennas
- User Manual

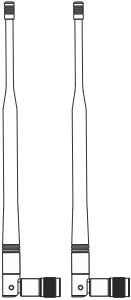


Handheld Microphone Systems include the following:

- HH52 Handheld Transmitter

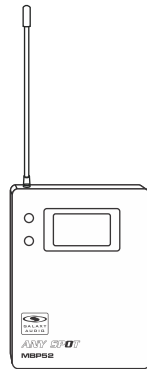


HH52



Lavalier/Headset Microphone systems include the following:

- MBP52 Bodypack Transmitter
- Microphone (choice of Lavalier, or Headset)



MBP52



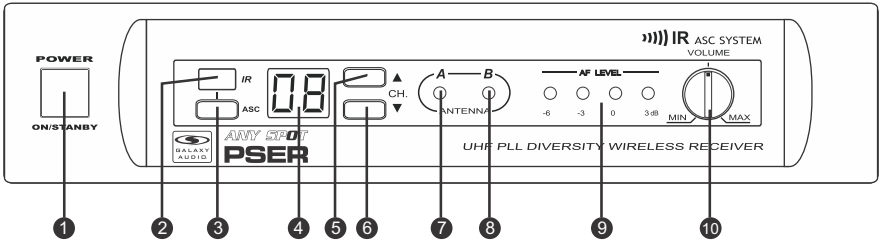
HS-U3BK



LV-U3BK

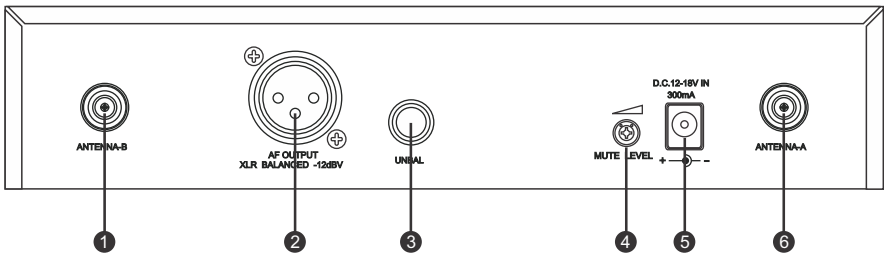
Functions of the PSER Receiver

Front Panel



- 1 Power Switch.
Press and Hold to switch On/Off.
- 2 IR Window.
Unit sends Infrared Signal to the Transmitter through this Window for Frequency Synchronization.
- 3 ASC Synchronizing Signal Transmit Button.
Press this Button to establish Infrared connection between the Receiver and Transmitter.
- 4 Channel Display.
Displays selected Channel.
- 5 Channel Up Button.
Please See "System Setup" on page 5.
- 6 Channel Down Button.
Please See "System Setup" on page 5.
- 7 Antenna A LED.
Indicates Antenna A active when lit.
- 8 Antenna B LED.
Indicates Antenna B active when lit.
- 9 Audio LED. Indicates strength of incoming Audio Signal.
- 10 Audio Output Level Control.
Left turn for Output Level Decrease, right turn for Output Level Increase.

Rear Panel

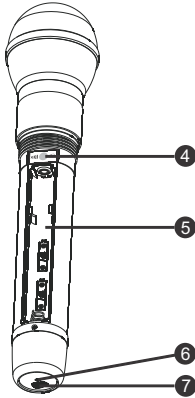
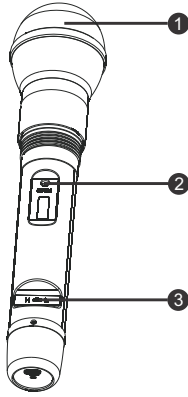


- 1 Antenna Jack A 50Ω.
- 2 XLR Audio Output.
- 3 1/4" Audio Output.
- 4 Fine adjustment of Mute Threshold Level.
This is factory set and usually does not need to be adjusted.
If interference signals are present, this Threshold Value can be Increased by turning the knob Clockwise until RF Signal LED goes out.
- 5 Power Adapter Jack.
- 6 Antenna Jack B 50Ω.

HH52/HH52SC Handheld Transmitter

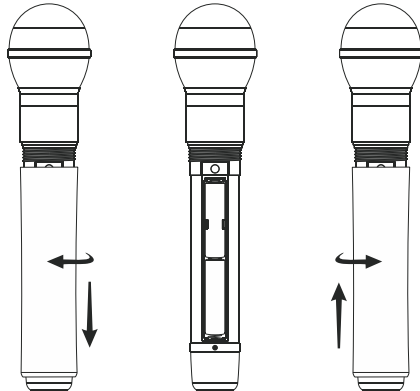
Functions:

- 1 Microphone Head.
- 2 Gain (Sensitivity) Control.
Turn Left to Decrease Sensitivity.
Turn Right to Increase Sensitivity.
- 3 RF Power Level Switch.
H for High Level RF Power.
L for Low Level RF Power.
- 4 IR Window.
Receives Infrared signal to synchronize frequencies between Receiver and Transmitter.
- 5 Battery Tray.
- 6 Power/ASC/Low Battery Indicator.
Green: Power On.
Flashing Green: IR Transmission in progress.
Red: Batteries Low.
- 7 Power On/Off Switch.



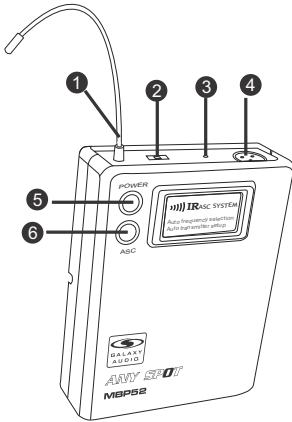
Changing Batteries:

Unscrew cover to access the Battery Tray. Observe correct polarity markings when installing Batteries. Expected life for two alkaline batteries is about 8 hours.

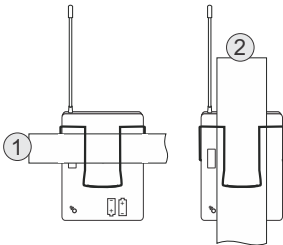
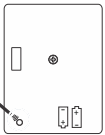


MBP52 Bodypack Transmitter

Functions:

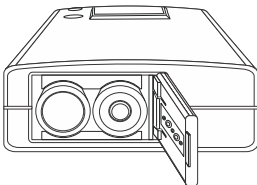


- ❶ Antenna.
- ❷ Input Gain Switch.
There are three Gain settings. Select the setting most suitable to your application.
Mic.: Microphone Level.
0: Guitar Level.
-10dB: Line Level.
- ❸ Power/Low Battery/IR Transmission LED.
Green: Power On, Batteries OK.
Flashing Red: Low Batteries.
Flashing Green: IR transmission in Progress.
- ❹ 3-pin Input Jack.
- ❺ Power Button.
Press and Hold to switch Power On/Off.
- ❻ ASC Automatic Frequency Synchronisation.
Press this button to establish Infrared connection between the Transmitter and Receiver.
- ❼ IR Window.
This window receives the Infrared signal during ASC.



How to Wear the MBP52 Transmitter:

Slide the transmitter clip onto the belt ❶, or run a guitar strap through the transmitter clip ❷, as shown in the diagram at left.



Battery Replacement:

Slide open the Battery Door as shown. Install Batteries while observing correct polarity markings.

The life expectancy of two alkaline batteries is about 8 hours.





PSE Receiver Setup:

Group and Channel Selection

Press Channel UP or Channel DOWN buttons to select desired Channel. For best results when operating multiple systems, set every channel to achieve the maximum distance between channels.

Receiver Volume Control:

Turn Left for Output Level decrease, turn Right for Output Level increase.

Mute Level Threshold Adjustment:

The Mute Level is factory set and normally needs no adjustment. However, you may turn clockwise if interference is present.

Automatic Transmitter Setup (ASC):

Remove the access cover on the Handheld Transmitter. Point the IR Window of the Handheld towards the IR Window on the Receiver and press the ASC button.

Point the MBP52 Bypack IR Window towards the Receiver IR Window, then press the ASC buttons on both the Transmitter and Receiver.

The Receiver transmits sync frequencies for 25 seconds each time you press the "ASC" button.

Whenever the ASC button on the MBP52 is pressed, the synchronizing signal will be transmitted continually for 25 seconds.

Note: when establishing infrared connection between the receiver and the transmitter, the distance between them should not exceed 0.5m. When more than one system are used, only IR window of one transmitter should be pointed to the receiver for each infrared connection.

System

Available Channels: 16
 Frequency Range: CODE D 584~607 MHz
 CODE L 655~679MHz

Transmitter Output level: 10 dBm
 Band: UHF

Operating Range Under Typical Conditions: 150' (50m)
 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:
 14°F to 122°F (-10° C to +50° C)

Note: battery characteristics may limit this range:

Bodypack Transmitter:

Audio Input Level: 0 dBV to +10dBV

Gain Adjustment Range: 20dB

Input Impedance: 5KΩ

Dimensions: 3.3" x 2.6" x 1"
 (85mm H x 65mm W x 24mm D)

Weight: 3.0oz (85 g) (without batteries)

Power Requirements:
 2 AA Batteries alkaline or rechargeable batteries

Battery Life: About 8 hours

Handheld Transmitter:

Max Audio input level: 0dBV

Dimensions: 9.8" x 2.1" dia. (250mm x 53mm dia.)

Weight: 9.5oz (270 g) (without batteries)

Power Requirements: 2 "AA" size alkaline or rechargeable batteries

Battery Life: About 8 hours

Receiver:

Audio Output Level: (+/-30KHz deviation, 1KHz tone)
 XLR connector (into 600Ω load) -12dBV
 ¼" connector (into 3KΩ load) -18dBV

Output Impedance: XLR connector 200Ω
 ¼" connector 1KΩ

XLR output: Impedance balanced
 Pin1: Ground (cable shield)
 Pin2: Audio
 Pin3: No Audio

Sensitivity: -93dBm for 30dB

Image Rejection: >90dB

Dimensions: 1.7" x 8.3" x 6.3"
 (44mm H x 212mm W x 160mm D)

Weight: 31oz (880 g)

Power Requirements:
 12-18 V dc at 400mA, supplied by external power supply.

PSE Frequency Chart

PSE D CODE

1	584.400
2	587.500
3	589.575
4	591.050
5	593.425
6	595.200
7	598.450
8	599.650
9	601.275
10	603.775
11	605.500
12	606.750
13	586.025
14	590.525
15	594.150
16	602.450

PSE L CODE

1	655.200
2	656.675
3	658.500
4	660.050
5	661.500
6	662.900
7	664.425
8	666.500
9	667.800
10	669.225
11	670.800
12	672.275
13	673.725
14	675.075
15	676.500
16	678.600



MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR



www.galaxyaudio.com

THREE YEAR LIMITED WARRANTY

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



www.galaxyaudio.com/warranty.php

PSE USER'S MANUAL

Specifications in this manual are subject to change without notice.
For the most up to date manual and information
visit www.galaxyaudio.com.

1-800-369-7768 www.galaxyaudio.com

© Copyright Galaxy Audio 2014