ECMR

UHF

USER'S MANUAL

ANY SPOT ®

WIRELESS MICROPHONE SYSTEM

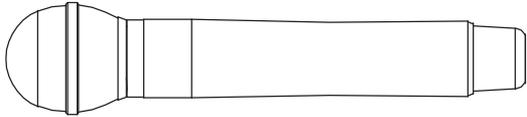# GALAXY AUDIO ®
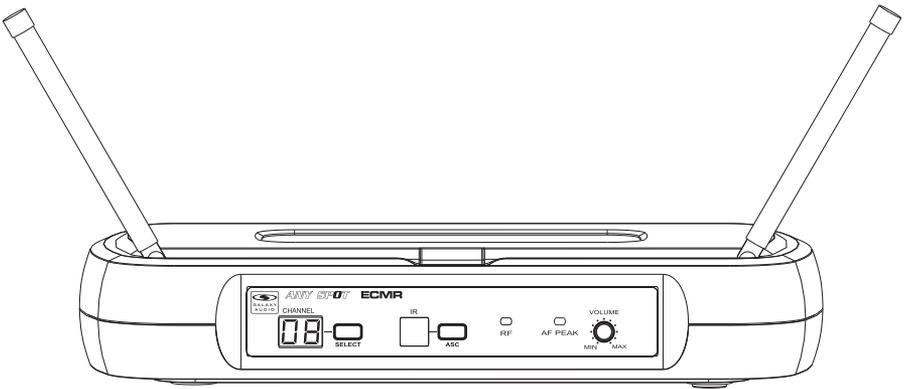
MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR
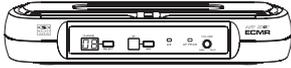
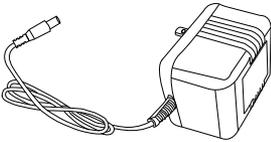**All ECMR systems include the following components:**

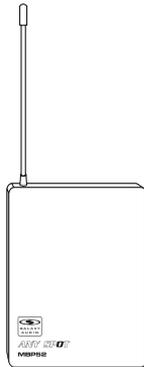ECMR Receiver
One ¼" Audio Cable
Power Adapter
User Manual

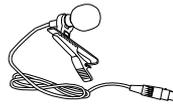**Handheld Microphone Systems include the following:**
HH52 Handheld Transmitter

Lavalier/Headset Microphone systems include the following:
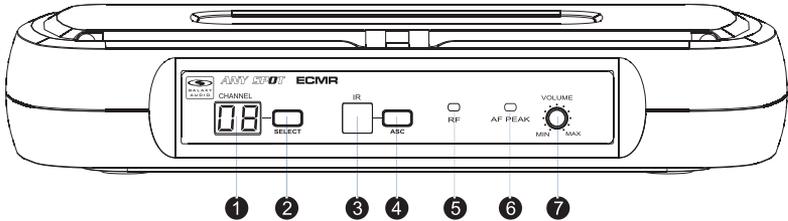MBP52 Bodypack Transmitter
Microphone (choice of Lavalier, or Headset)

AS-HS

AS-LV

Front Panel

❶ Channel Display.
Displays selected Channel.

❷ Channel select button

❸ IR Window.
Unit sends Infrared Signal to the Transmitter through this Window for Frequency Synchronization.

❹ ASC Synchronizing Signal Transmit Button.
Press this Button to establish Infrared connection between the Receiver and Transmitter.

❺ RF Signal LED

❻ Audio LED. Indicates a peak Audio Signal.

❼ Audio Output Level Control.
Left turn for Output Level Decrease, right turn for Output Level Increase.

Rear Panel
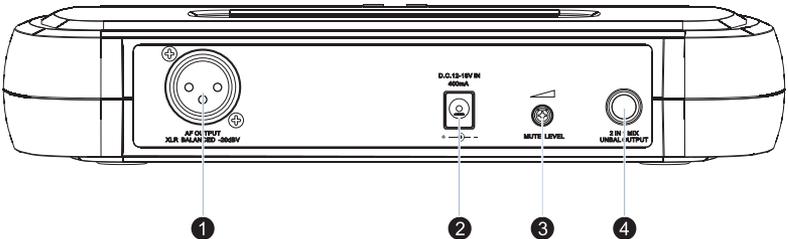
❶ AF Audio Output.

❷ Power Adapter Jack.

❸ AF Output 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.

❹ ¼" Audio Output.

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Functions:

❶ Microphone Head.

❷ Gain (Sensitivity) Control.
Turn Left to Decrease Sensitivity.
Turn Right to Increase Sensitivity.

❸ RF Power Level Switch.
H for High Level RF Power.
L for Low Level RF Power.

❹ IR Window.
Receives Infrared signal to synchronize frequencies
between Receiver and Transmitter.

❺ Battery Tray.

❻ Power/ASC/Low Battery Indicator.
Green: Power On.
Flashing Green: IR Transmission in progress.
Red: Batteries Low.

❼ Power On/Off Switch.
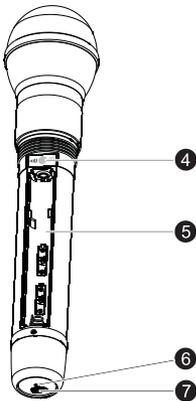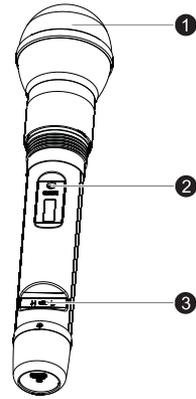
Changing Batteries:
Unscrew cover to access the Battery Tray. Observe
correct polarity markings when installing Batteries.
Expected life for two alkaline batteries is about 8 hours.

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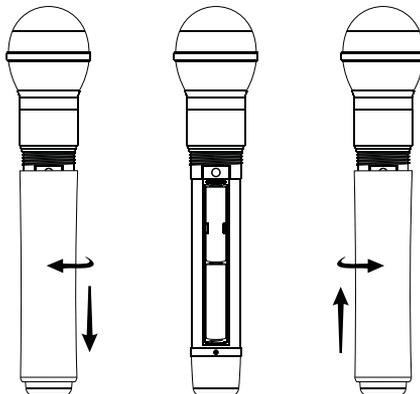
Functions:

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.
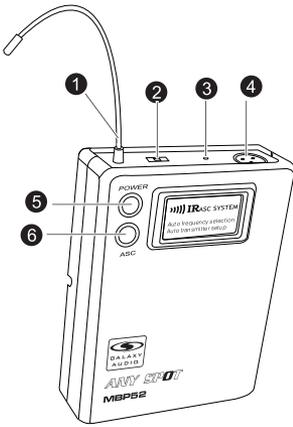Press this button to establish Infrared connection between the Transmitter and Receiver.

❼ IR Window.
This window receives the Infrared signal during ASC.
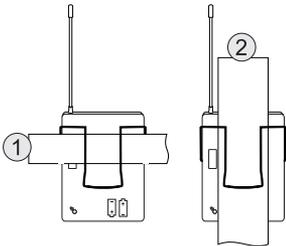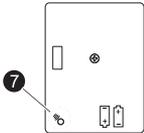
How to Wear the MBP52 Transmitter:

Slide the transmitter clip onto the belt ①, or run a guitar strap through the transmitter clip ②, as shown in the diagram at left.
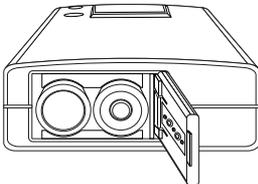
Battery Replacement:

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.

→ ↪ Open
← ↩ Close

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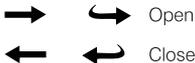
ECMR Receiver Setup:

Channel Selection

Press channel Selector button to select desired Channel. When switching Channels, wait for the Channel number display to stop blinking before using the ASC function. 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 Bodypack 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 O.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: 655 - 679 MHZ
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:
14ºF to 122ºF (-10º C to +50º C)

Note: battery characteristics may limit
this range:

Bodypack Transmitter:

Audio Input Level:
0 dBV to +10dBV

Gain Adjustment Range: mic/0/-10

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

Gain (Sensitivity): Control High/Low RF power switch.

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: 1.75" x 9.25" x 121"
(44.45mm H x 235mm W x 121mm D)

Weight: .85lbs (.39kg)

Power Requirements:
13.5 V dc at 300mA, supplied by external
power supply.

LIMITED WARRANTY

A RETURN AUTHORIZATION (RA) NUMBER MUST BE OBTAINED from Galaxy Audio prior to any items being returned to Galaxy Audio for return or repair. Contact customer service @ (800)369-7768.
Galaxy Audio warrants the materials and workmanship of its products as follows:
A limited THREE YEAR Warranty applies to the following products:
Galaxy Audio warrants the materials and workmanship of its products as follows:
A limited THREE YEAR Warranty applies to the following products:
1. HOT SPOTS-including HS7, HSRG, HSVC, PA6S, & PA6SR
2. MICRO SPOTS-including MSVC, MSPM, MSPA(DC)
3. CRICKET Polarity Test Set
4. JACKS IN THE BOX – including the MULTI MIXER
5. The TRAVELER SERIES is supported with a 3 year warranty on speaker components and casing, 1 year warranty on wireless and RM SERIES components.
6. The LINE ARRAY SERIES (LA4)

A limited ONE YEAR Warranty applies to the following products:
1. CHECKMATE Series-including CM130, CM140, CM150, CM160, CM-C200
2. ANY SPOT Series-including AS-1000, AS-900, 1100, 1500 SERIES, DHT, TRC, PSE, ECM, TOUR GUIDE/TRANSLATOR SYSTEMS & WIRELESS CAMERA KITS
3. Any units containing a rechargeable battery will have a **90** day warranty on the battery.
4. Lightweight headset mics including HS3, HSH, HSS, HSA, & HSE series microphones.

The following are not covered by the warranty:
1. Damage to or deterioration of the exterior of the item which occurs after delivery
2. Damage after initial delivery resulting from accident, misuse or neglect
3. Damage resulting from failure to follow instructions contained in the owner's manual
4. Damage resulting from the performance of repairs by someone other than the Galaxy Audio repair department
5. Damage occurring during the shipment or delivery of any Galaxy Audio product to Galaxy Audio after initial delivery of the product to you.
6. Damage to any Galaxy Audio product which has been altered or on which the serial number has been effaced or removed.
7. Damage to or deterioration of the exterior of the item which occurs after delivery

Galaxy Audio does not authorize any third party including any dealer or Service Center to assume any liability on behalf of Galaxy Audio or to make any warranty for Galaxy Audio

DEFECTIVE MERCHANDISE POLICY-WARRANTY
A RETURN AUTHORIZATION (RA) NUMBER MUST BE OBTAINED from Galaxy Audio prior to any items being returned to Galaxy Audio for return or repair. Contact customer service @ (800)369-7768.

The Galaxy Audio warranty policy is to repair and return defective merchandise. Items under warranty may be replaced at no charge if deemed un-repairable by the Galaxy Audio technician. Proof of purchase may be required to verify warranty status. Customer will be responsible for shipping charges to repair facility, repaired product will be returned
shipping prepaid by Galaxy Audio. Freight charges will not be reimbursed. Credit for defective warranty merchandise must have authorization from the Galaxy Audio main office
before credit will be issued and will be subject to applicable restock and replacement charges.
A twenty (20%) restock fee will apply to warranty items returned for credit. The cost of replacement parts to bring the item back to "like new" condition will also be deducted from credit for warranty items

DEFECTIVE MERCHANDISE POLICY-NON WARRANTY
A RETURN AUTHORIZATION (RA) NUMBER MUST BE OBTAINED from Galaxy Audio prior to any items being returned to Galaxy Audio for return or repair. Contact customer service @ (800)369-7768.
Repair charges are $30.00 per hour (no minimum) plus parts. Customer will be responsible for all shipping charges. Prepayment is expected if customer is not set up with open account terms in advance. Discounts are not applicable on repairs. Open account terms for repairs will be Net Thirty (30) days. Some items past the warranty time period may qualify for a standard replacement cost. Please

GALAXY AUDIO

MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR

1-800-369-7768   www.galaxyaudio.com
Please visit **galaxyaudio.com** for the latest updates

V11192010

Specifications in this manual are subject to change without notice.