

**ECD**

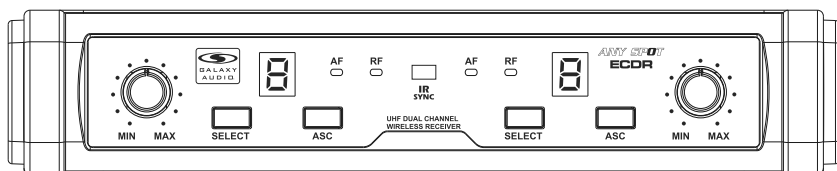
**UHF**



USER'S MANUAL

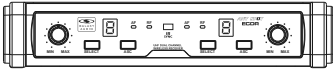
# **ANY SPOT<sup>®</sup>**

**WIRELESS MICROPHONE SYSTEM  
DUAL CHANNEL SYSTEM**

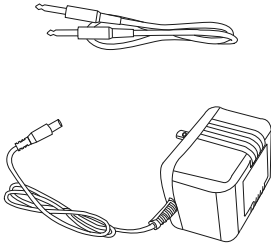


**MAKERS OF THE ORIGINAL  
HOT SPOT PERSONAL MONITOR**

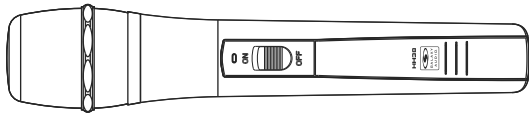
# System Components



**All ECD systems include the following components:**  
ECD Receiver  
Power Adapter  
User Manual



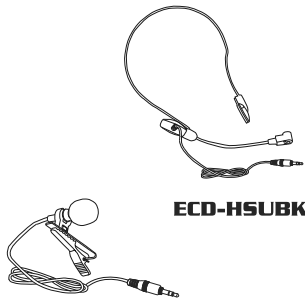
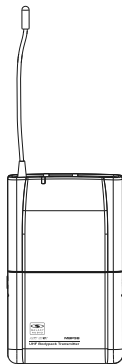
**Handheld Microphone Systems include the following:**  
HH38 Handheld Transmitter



**Lavalier/Headset Microphone systems include the following:**  
MBP38 Bodypack Transmitter  
Microphone (choice of Lavalier, or Headset)



**Manual**

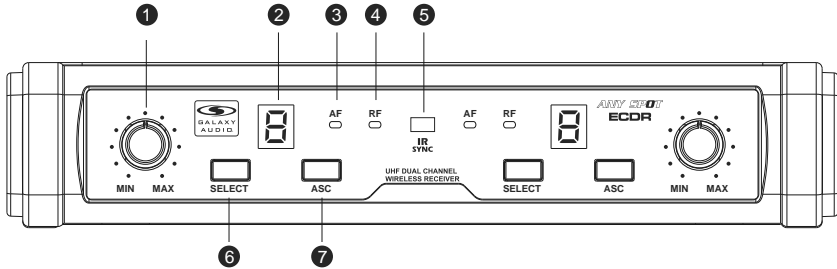


**ECD-HSUBK**

**ECD-LVUBK**

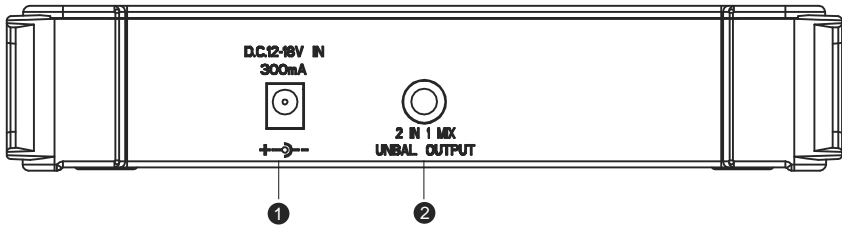
# Functions of the ECDR Receiver

## Front Panel



- ① Audio Output Level Control
- ② Channel display
- ③ AF Signal LED
- ④ RF signal LED
- ⑤ Infrared IR Window
- ⑥ Channel select button
- ⑦ Automatic Synchronization Control (ASC) button

## Rear Panel



- ① Power Adapter Jack.
- ② 1/4" Audio Output (mixed).

## System Setup



### Receiver Programming

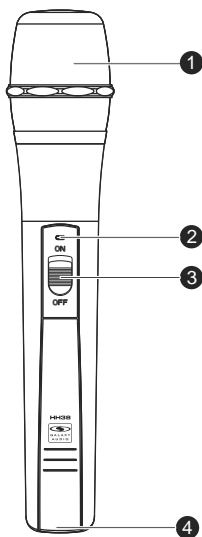
**Channel Selection:** Press the ⑥ "SELECT" button to increase the ② channel number by one (0-9, then A-F). \* Press the ⑦ ASC button, and the Channel Display will begin to flash. Hold the transmitter's (HH38 or MBP38) IR window towards and in close proximity less than 1.5 ft. to the ECD receiver's ⑤ IR window. The ECD receiver's ④ RF Signal LED will light once synchronization has been established. Only one IR connection can be established at a time during each syncing process.

### Receiver volume control:

Rotate the audio output level control knob to the left to reduce the output level, rotate to the right to increase the output level.

**\*Note:** When using multiple systems, it is best to set the maximum channel spacing for each system.

# HH38 Handheld Transmitter

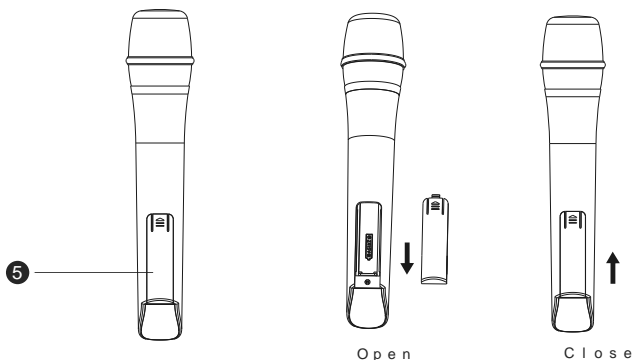


## Functions:

- ① Microphone Head.
- ② Power LED and LOW battery indicator (red = Low battery)
- ③ Power Switch
- ④ Infrared receiver (IR) window
- ⑤ Battery cover

## Changing Batteries:

Expected life for two alkaline batteries is about 8 hours. If the power LED (green) turns red then the batteries are low and should be changed immediately (as shown below).



## Handheld Transmitter Setup :

The HH38 will need to be powered off and on again during the syncing process in order to properly sync. An amber power light on the HH38 indicates that it is ready to receive the IR signal from the receiver.

# MBP38 Bodypack Transmitter

## Functions:

① Antenna.

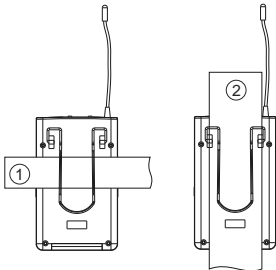
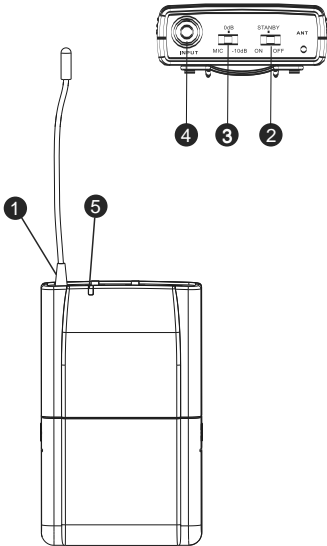
② On/Off/Mute switch

③ Gain adjustment switch

Three gain settings are available on the Bodypack Transmitter, choose the appropriate setting for your instrument Mic:  
microphone 0: Guitar with passive pickups -10dB: Guitar with active pickups

④ Microphone Input Jack

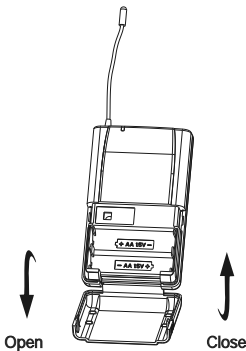
⑤ Power/Low battery indicator light. If the Power light glows a constant red, the batteries should be changed immediately.



## Wearing the Bodypack Transmitter:

Clip the transmitter to belt ①, or slide a guitar strap through the transmitter clip ②, as shown.

For best results, slide the transmitter until the belt ① is pressed against the base of the clip.



## Battery Replacement:

When the transmitter light glows red, the batteries should be changed immediately, as shown on the left.

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

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

## Trips for improving System Performance

- Maintain a line of sight between transmitter and antenna.
- Avoid placing the receiver near metal surfaces or any digital equipment (CD players, computes, etc)
- Keep the receiver away from the wall and over 3ft. from the ground
- Cellular telephones, two-way radios and other RF sources can interfere with the transmitting frequencies. Maintain the greatest distance possible from the interfering equipment to minimize interference.

### Trouble Shooting

Issue	Indicator Status	Solution
No sound or faint sound	Not Transmitting	Turn on transmitter Make sure the +/- indicator on the batteries match the transmitter terminals
	Not Receiving	Make sure the AC adapter is securely plugged into electrical outlet and into DC input connector on rear panel of receiver.
	Receiver RF indicator glows	Turn up the receiver's Audio Output level Control up adjust the Gain switch on the transmitter Check the power connection of the receiver and amplifier or mixer
	Receiver RF indicator off, transmitter on	Move the receiver away from metal objects Check whether there is an obstruction between receiver and transmitter Move the transmitter near the receiver Re-Sync receiver and transmitter to the same frequency
	The battery power indicator light flashes or turns RED	Change the batteries the in transmitter
Distortion or unwanted noise bursts	Receiver display indicates RF/AF	Remove nearby sources of RF interference (CD players, computers, digital effects, in-ear monitor systems, etc.)
Distortion level increases gradually	Transmitter power indicator light flashing	Replace transmitter batteries
Sound level different from cabled guitar or microphone, or when using different guitars		Adjust transmitter again and receiver volume as necessary

## 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 +20dBV

**Gain Adjustment Range:** 30dB

**Input Impedance:** 5K?

**Dimensions:** 3.3" x 2.6" x 1"  
(85mm H x 65mm W x 23mm D)

**Weight:** 2.8oz (80g) (without batteries)

**Power Requirements:**  
2 AA Batteries alkaline or rechargeable batteries

**Battery Life:**  
About 8 hours

## Handheld Transmitter:

**Max Audio input level:** 0dBV

**Dimensions:** 10.8" x 1.9" dia. (275mm x 47mm dia.)

**Weight:** 6.9oz (195g) (without batteries)

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

**Battery Life:** About 8 hours

## Receiver:

**Audio Output Level: (+/-30KHz deviation, 1KHz tone)**  
¼" connector (into 3K? load) -18dBV

**Output Impedance:** ¼" connector 1K?

**Sensitivity:** -92dBm

**Image Rejection:** >92dB

**Dimensions:** 1.7" x 8.3" x 6.3"  
(42mm H x 210mm W x 116mm D)

**Weight:** 12oz (340g)

**Power Requirements:**  
12-18 V dc at 300mA, supplied by external power supply.

# LIMITED WARRANTY

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



MAKERS OF THE ORIGINAL  
HOT SPOT PERSONAL MONITOR

1-800-369-7768    [www.galaxyaudio.com](http://www.galaxyaudio.com)  
Please visit **[galaxyaudio.com](http://www.galaxyaudio.com)** for the latest updates

Specifications in this manual are subject to change without notice.

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