

DHT

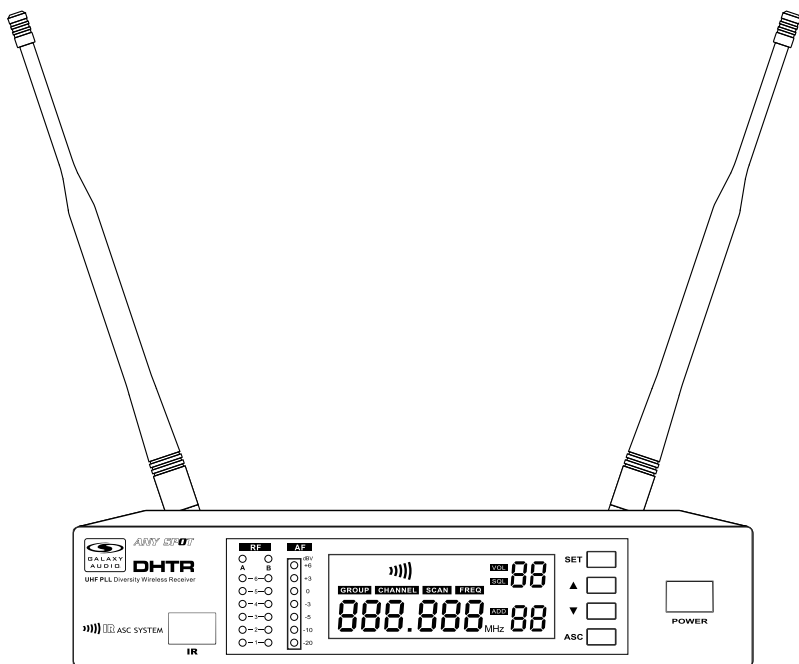
UHF



USER'S MANUAL

ANY SPOT®

WIRELESS MICROPHONE SYSTEM



MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR

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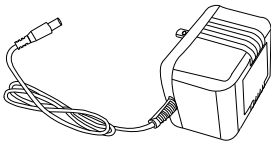
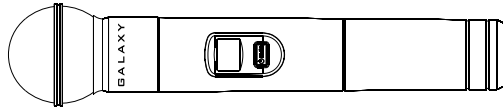
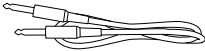
All systems include:

- DHT Receiver
- ¼" to ¼" Audio Cable
- Power Supply
- Two Antennas
- Rack Ears
- User Guide



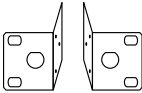
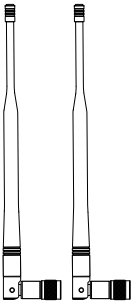
DHT Handheld System includes:

HH76 or HH76SC Handheld Mic/Transmitter

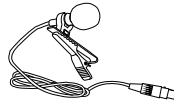


DHT/76 Lav/Headset/HLC Systems include:

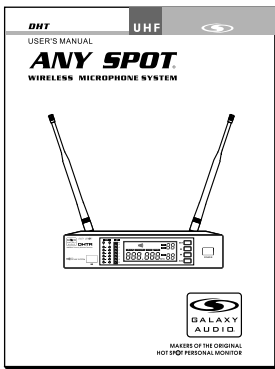
MBP76 Bodypack Transmitter.
Mic (choice of Uni Lav, Uni Headset,
or HLC Combo Lav/Headset)



AS-HS



AS-LV



DHT/76 Guitar system includes:

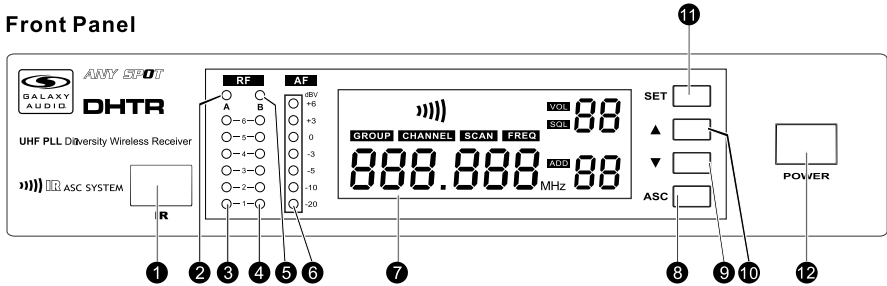
MBP76 Bodypack Transmitter and
¼" to Mini 3-pin Guitar Cable.



Functions of the DHTR Receiver

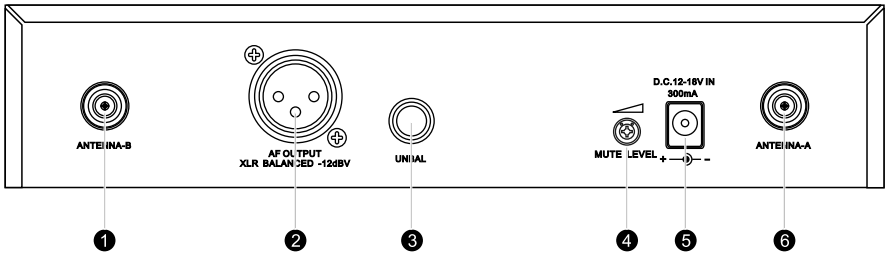
DHTR Receiver Features

Front Panel



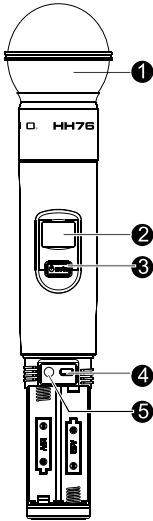
- ❶ Infrared (IR) Window.
- ❷ Antenna A indicator light.
- ❸ Indicates when Antenna A is active .
- ❹ Antenna A RF strength indicator.
- ❺ Antenna B RF strength indicator.
Antenna B indicator light.
Indicates when Antenna B is active.
- ❻ Audio Signal received indicator.
- ❼ LCD Screen.
See: System Setup on Page 8.
- ❽ ASC Sync Button.
Press to initiate IR connection between receiver and transmitter.
- ❾ System Menu Down Button.
See: System Setup on Page 8.
- ❿ System Menu Up Button.
See: System Setup on Page 8.
- ⓫ System Setup Button:
See: System Setup on Page 8.
- ⓬ On/Off Switch.

Rear Panel



- ❶ Antenna Jack B 50Ω.
- ❷ XLR Output Jack.
- ❸ ¼" Output Jack.
- ❹ Mute Threshold Fine Adjustment.
This is set at the factory and usually does not need to be adjusted.
If interference signals are received, this threshold value may be increased by turning the knob clockwise until the RF signal lamp goes out.
- ❺ DC Power Input Connector.
- ❻ Antenna Jack A 50Ω.

HH76/HH76SC Handheld Transmitter



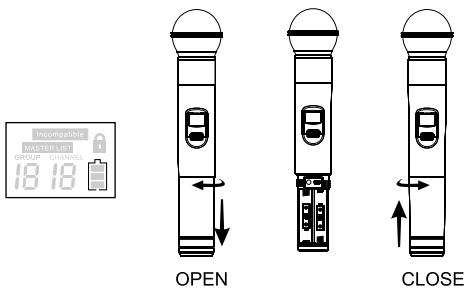
Functions:

- ❶ Interchangeable Microphone Head.
HH76: Dynamic, HH76SC: Dynamic Super Cardioid
- ❷ LCD screen
- ❸ Power/Backlight/Mute Control Switch.
Press and Hold for Power ON/OFF.
Press and Release for Backlight.
Press and Release for Mute On/Off.
- ❹ Select Button.
Press and Hold to enter Group select.
Press repeatedly to choose Group Number.
Press and Hold again to enter Channel select.
Press repeatedly to choose Channel Number.
- ❺ Microphone Gain Control.

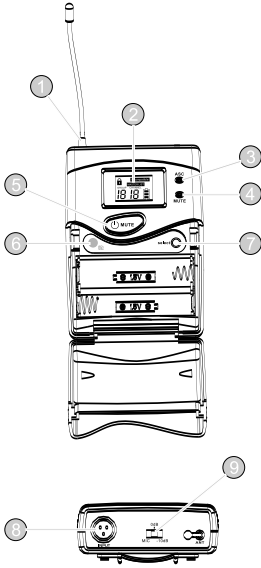
Note: To prevent accidental power or mute changes during a performance, you may set the Lock function by a simultaneous press and release of buttons 3 and 4. This will disable all buttons and a "lock" icon will appear in the LCD. Repeat procedure to return to normal operation.

Battery Replacement

- The life expectancy of two alkaline batteries is about six hours.
- When the Battery Power Symbol on the display screen starts flashing, as shown in the diagram, the batteries should be replaced immediately, as shown below.



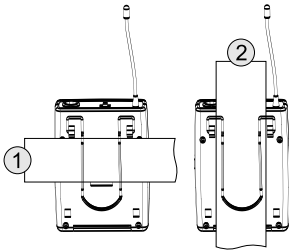
MBP76 Backpack Transmitter



Features

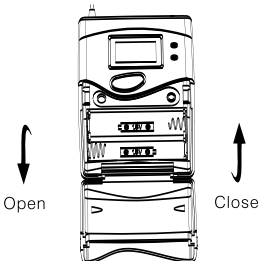
- ① Antenna.
- ② LCD panel.
Please see (System Setup) on Page 8.
- ③ Power/ASC/ Low Battery Indicator.
Constant Green: Power ON.
Flashing Green: IR ASC in progress, or Low Batteries.
- ④ Mute Indicator.
Constant Red: Audio Muted.
- ⑤ Power/Mute Button.
Push and Hold for Power On/Off. Push once for Mute On/Off.
- ⑥ IR Window.
Receives IR signals (ASC) to synchronize with Receiver.
- ⑦ Select Button.
Please see (System Setup) on Page 8.
- ⑧ 3-pin Microphone Input Jack.
- ⑨ Gain Adjustment Switch.
Three gain settings are available. Choose the appropriate setting for your application:
Mic: Microphone
0dB: Guitar with passive pickups
-10dB: Guitar with active pickups, or Line Level Signals.

Note: To prevent accidental power or mute changes during a performance, you may set the Lock function by a simultaneous press and release of buttons 5 and 7. This will disable all buttons and a "lock" icon will appear in the LCD. Repeat procedure to return to normal operation.



Wearing the Backpack Transmitter:

Clip the transmitter to a belt ①. For best results, slide the transmitter down until the belt is pressed against the base of the clip. Or, slide a guitar strap through the transmitter clip ②, as shown.



Changing batteries:

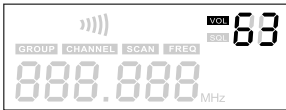
Expected life for Two Alkaline batteries is approximately 6 hours. Replace batteries when the Green Power LED and the LCD Battery Indicator (shown below) begin to blink.



①



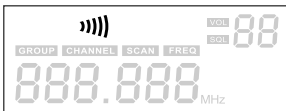
②



③



④



⑤

Receiver Programming

Group and Channel Selection: Press and Hold the SET button. The Group number will flash. Press ▲ or ▼ to choose the appropriate frequency group, as shown on the left ①; press (SET) again, (CHANNEL) flashes, press ▲ or ▼ to choose the appropriate channel, as shown on the left ②. For best results when operating multiple systems, set all systems to a single group: then set each system to a unique channel within that group.

Receiver Volume Setting:

The receiver has an electronic volume control. When in the normal display, press ▲ or ▼ to control the output volume (64 steps total) as ③ shown at left.

Normal Display:

RF Level, Group No., Channel No., and Frequency, as shown at left ④.

Automatic Transmitter Setup:

Once the desired channel is set on the Receiver, you may allow the Transmitter channel to be set automatically. Note: only one Transmitter may be used with each Receiver.

Turn on the Transmitter. Position the Transmitter IR window directly in front of the Receiver IR window. The IR window of the MBP76 Bodypack is located under the battery door while the IR window of the HH76 Handheld is located at the bottom end of the mic body. Press the ASC Button on the Receiver. The ASC Icon ⑤ will flash in the Receiver LCD. The RF Meters will light when the synchronisation is complete. The Group and Channel number of the Receiver should now be displayed in the Transmitter LCD.

Note: The Transmitter must be within half a meter distance from the Receiver during IR ASC automatic channel setting.

Handheld Transmitter

Bodypack Transmitter



①



②



③



HH76 and MBP76 Transmitter Status Display

Battery Status:

Battery Status Indicators for both the Handheld and Bodypack Transmitters feature Four Level Displays as shown in ①.

Group and Channel Display:

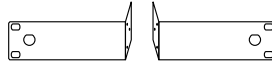
After completing the ASC, both the Handheld and Bodypack Transmitters will display the Group and Channel numbers selected as shown in ②.

Normal Display:

Both Handheld and Bodypack Transmitters will display Group and Channel numbers as well as Battery Status as shown in ③.

Rack Mounting

Rack-Mounting the Receiver

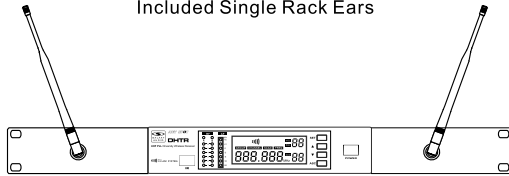


Included Single Rack Ears

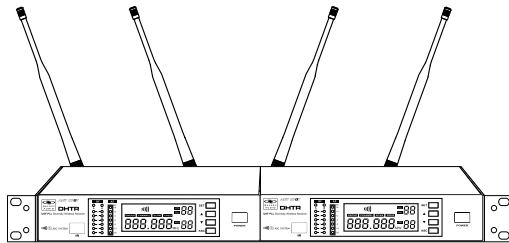


Two TNC connecting cables (optional)

Two TNC connectors (optional)



**Optional Rack Shelf
for mounting Two Receivers
side by side
MRTD/P/T**



Tips for Improving System Performance

- Maintain a line of sight between transmitters and antennas.
- Avoid placing the receiver near metal surfaces or any digital equipment (CD players, computers, etc).
- Keep the receiver away from the wall and at least 1m from the ground.
- Cellular telephones and two-way radios can interfere with the operation of wireless systems.
Do not use these devices in close proximity to the wireless systems.

Troubleshooting

Issue	Indicator Status	Solution
No sound or faint sound.	Transmitter LCD off.	Turn on transmitter. Make sure the batteries are installed correctly.
	Receiver LCD off.	Make sure AC adapter is securely plugged into electrical outlet and into DC input connector on rear panel of receiver.
	Receiver indicates RF.	Increase receiver volume. Make sure Gain adjustment switch on the transmitter is set correctly (applies only to MBP76 Bodypack.)
	Receiver indicates No RF, Transmitter LCD is on.	Make sure Transmitter and Receiver are set to the same frequency. Make sure Transmitter is in range of Receiver. Make sure no large metal objects are near Transmitter or Receiver.
	The battery power indicator light on LCD flashes.	Change the batteries in transmitter.
Distortion or unwanted noise.	Receiver Indicates RF.	Remove nearby sources of RF interference (CD players, computers, in-ear monitor systems, etc.)
Distortion level increases gradually.	Transmitter power indicator light flashing on the LCD.	Replace Transmitter batteries.
Sound level different from cabled guitar or microphone, or when using different guitars.		Adjust Transmitter Gain and Receiver Volume as necessary.

Specifications

System

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

Transmitter Output level: 10 dBm
Band: UHF

Operating Range Under Typical Conditions: 300'
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:

Max Audio Input Level:

0 dBV maximum at mic gain position.
+10 dBV maximum at 0 dB gain position.
+20 dBV maximum at 10 dB gain position.

Gain Adjustment Range: 30dB

Input Impedance: 470KΩ

Dimensions: 3.5" x 2.6" x 1"
(89mm 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 6 hours

Handheld Transmitter:

Max Audio input level: 0dBV

Dimensions: 9.5" x 2.1" dia. (242mm x 54mm dia.)

Weight: 10.6oz (300 g) (without batteries)

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

Battery Life: About 6 hours

Receiver:

Audio Output Level: (+/-30KHz deviation, 1KHz tone)

XLR connector (into 600 Ohms load) -12dBV
¼" connector (into 3KOhms load) -18dBV

Output Impedance: XLR connector 200Ohms
¼" connector 1KOhms

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: 31.75oz (900 g)

Power Requirements:

12-18 V dc at 400mA, 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:

1. HOT SPOTS-including HSRG, HSV, PA5XD & GALACTIC MONITOR PACKAGE
2. MICRO SPOTS-including MSVC, MSPM, MSPA(DC)
3. CRICKET Polarity Test Set
4. JACKS IN THE BOX – including the MULTI MIXER
5. Hot Spot Accessories

A limited ONE YEAR Warranty applies to the following products:

1. CHECKMATE Series-including CM130, CM140, CM150, CM160, CM-C200 and accessories
2. ANY SPOT Series-including AS-1000(R)(T), 500 & 700 SERIES, TOUR GUIDE/TRANSLATOR SYSTEMS, WIRELESS CAMERA KIT
3. ANY SPOT Accessories & Components
4. TRAVELER SERIES-including ANY SPOT TRAVELER, WIRELESS SPEAKERS, WIRED PA SYSTEM PACKAGES, TRAVELER W/ECHO
5. TRAVELER Accessories

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

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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 contact Galaxy Audio for more information.

Please visit galaxyaudio.com for the latest updates



MAKERS OF THE ORIGINAL
HOT SPOT PERSONAL MONITOR

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Specifications in this manual are subject to change without notice.

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