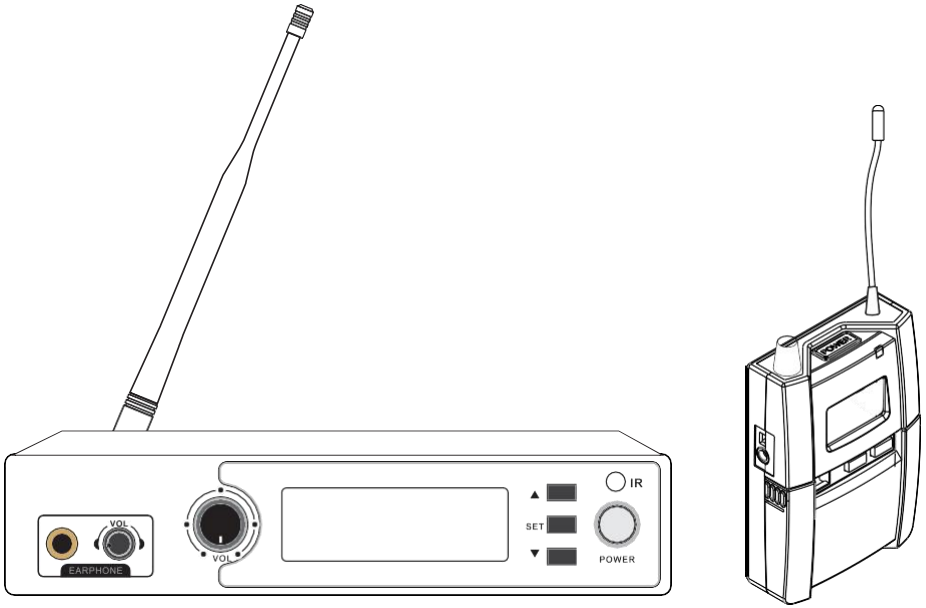
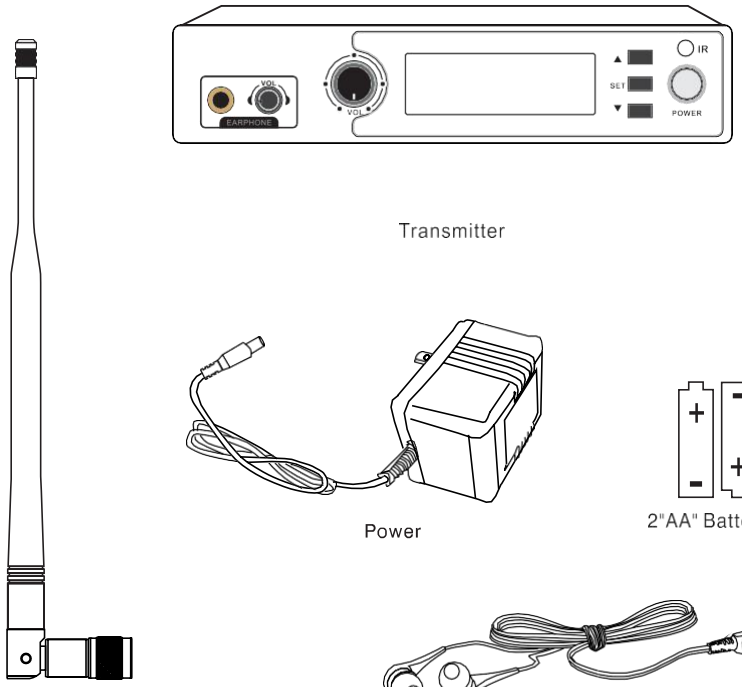
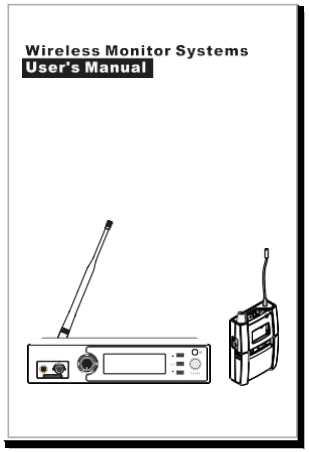
# Wireless Monitor Systems
# User's Manual



## System Parts:

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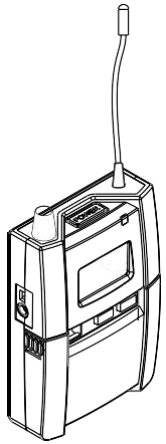


Bodypack Receiver



## Specifications

### *System*

**Frequency Range and Transmitter Output Level**

Frequency Range 902.3~927.7 MHz

Transmitter Output Level: 10dBm

**Operating Range Under Typical Conditions**

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%

**S/N ratio(at 1 mV and peak deviation)**

>80 dB

**Dynamic Range**

>90dB A-weighted

**Stereo Separation**

>40dB

**Operating Temperature Range**

-10°C to +50°C

Note: battery characteristics may limit this range

### *Transmitter*

**Max Audio input level**

+6dBV

**Gain Adjustment Range**

40dB

**Input Impedance**

6.8KΩ

**Dimensions**

44mm H * 200mm W*96mm D

**Weight**

600 grams

**Power Requirements**

12-18 V dc at 300mA, supplied by external power supply

**XLR input**

Impedance balanced

Pin1: Ground(cable shield)

Pin2: Audio +

Pin3: Audio –

### *Bodypack Receiver*

**Audio Output Level**

100mW

**Sensitivity**

-94dBm for 30dB SINAD,typical

**Image Rejection**

>65dB

**Dimensions**

90mm H*65mm W*24mm D

**Weight**

90 grams (without batteries)

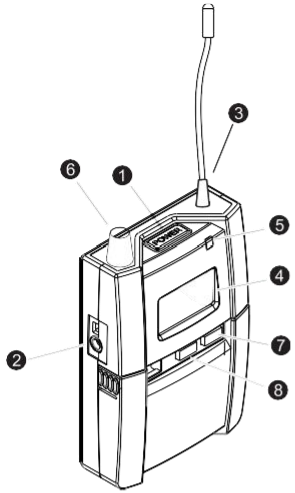
**Power Requirements**

2 "AA" size alkaline or rechargeable batteries

**Battery Life**

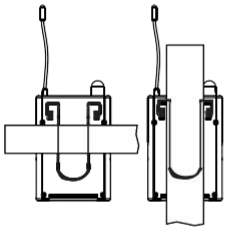
>6 hours

## Bodypack Receiver



**Features:**

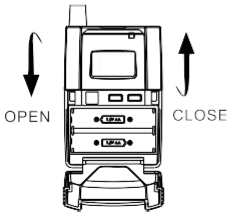
1. On/Off switch.
2. Earphone jack.
3. Antenna.
4. LCD screen
   Please See "system setup" on page 6.
5. Low battery indicator
6. Audio output control
7. Receiver menu ADD button
8. Set button, Use this to select menu parameters.



### Wearing the Bodypack Receiver

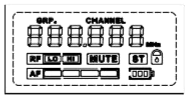
Clip the receiver to a belt.For the best results,clip the receiver onto a belt by pushing the receiver down onto the belt as far as it will go.

For guitarists,attach the guitar strap"through" the receiver clip.




### Changing Batteries

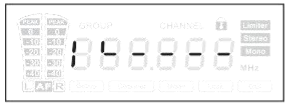
Expected life for two Alkaline batteries is approximately 6 hours. When the LCD panel battery sign is flashing(see below), the batteries should be changed immediately, (see below).






## System Setup

## Transmitter Programming



①

### *Automatic channel Selection*

Turn on the transmitter, turn off others transmitter at the same time, Make the transmitter and receiver distance >50cm. Press "**SET**"one time, It can auto Automatically when the state of the frequency search channels synchronized with the transmitter, RF receiver will light up indicating the receiver into the working state

②

**Select a Group and Channel:**

Press "SET" button, "Group" will flash, press "**ADD**" to select suitable frequency group number, as shown in Diagram ② on the left. Then press " SET" again , "CHANNEL" flashes, press "**ADD**" to select suitable channel, as shown in Diagram ③ on the left.

③

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

④

**Working Mode Selection:**

Hold and Press "SET" button, " Mode " will flash, press "**ADD**" to select Stereo or Mono, as shown in Diagram ④.

⑤

**Locking Selection:**

Hold and Press "SET" button,, " Lock " will flash, press "**ADD**"to select Lock or Unlock, as shown in Diagram ⑤.

⑥

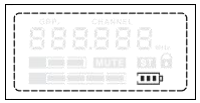
**Audio Input Level Indication**

Displays left and right audio input level, as shown in Diagram ⑥.

**Note:** Adjust audio input level to control system volume in a suitable status.

## System Setup

①



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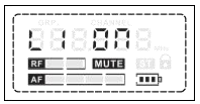
③

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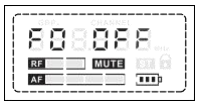


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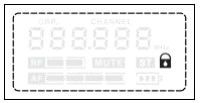


⑥

## Bodypack Receiver Programming

Left and Right Audio track Adjusting:
Press "**SET**" or "**ADD**" to adjust left and right audio track balancing, as shown in Diagram ① .

**Battery Indication**
Four level battery status in bodypack receiver, as shown in Diagram ② .

**Equalization setup:**
Hold and Press "SET" button, "EQ" will flash, press "**ADD**" to select EQ working mode, Hight Boost (Offers more high-end response: 6dB boost at 10KHz), Normal(Flat), as shown in Diagram ③ .

**Limiter selection:**
Hold and Press "SET" button, "Limiter" will flash, press "**ADD**" to select Limiter function, as shown in Diagram ④ .

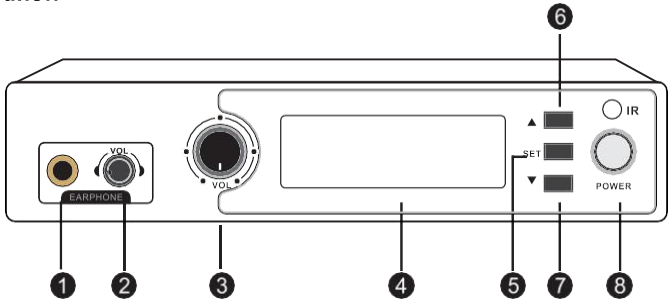
**Stereo/FOCUS selection:**
When the receiver is set to stereo operation,the left-right signals are available as usual.
When the receiver is set to FOCUS operation, the left-right signasl are mixed and are available as a mono signal in both headphone channels.Use the "**ADD**" button to adjust the relative levels of the two separate channels in the mixed mono signal.as shown in Diagram⑤.

**Locking Selection:**
Hold and Press "SET" button, " 🔒 " will flash, press "**ADD**" to select Lock or Unlock, as shown in Diagram ⑥



## PR-90T Transmitter Features:

### Front Panel:




❶ Earphones jack.

❷ Phones Output Control
Controls the earphone volume,turn left to decrease the audio level,turn right to increase.

❸ Input Level
Controls the monitor volume level.

❹ LCD screen
Please See "system setup" on page 5.

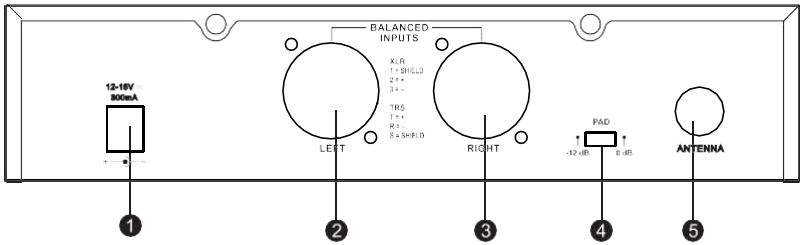
❺ Transmitter setup button
Please See "system setup" on page 5.

❻ Transmitter menu up button
Please See "system setup" on page 5.

❼ Transmitter menu down button
Please See "system setup" on page 5.

❽ ON/OFF Switch
Hold for two seconds to turn ON.
Hold to turn OFF.

### Rear Panel:




❶ DC adapter jack

❷ Left track XLR input jack

❸ Right track XLR input jack

❹ PAD switch
Use to adjust output gain.To cut gain,set to (-12dB)
To leave gain unaffected leave set the switch to (0dB).

❺ Antenna jack A
50ohm

# Warning Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.