2. CD Player installation：

A. Remove screws holding the blank panel and remove the panel (see Fig. 3-1)

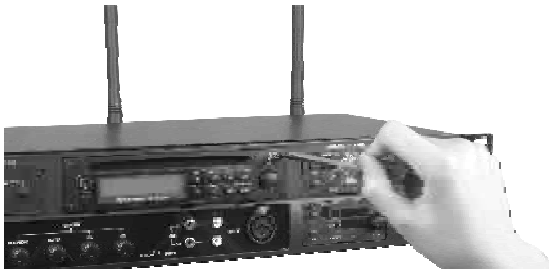
B. Insert the CD player into the mixer (see Fig. 3-2)

C. Reinstall screws to secure the player (see Fig. 3-3)

Fig. 3-1

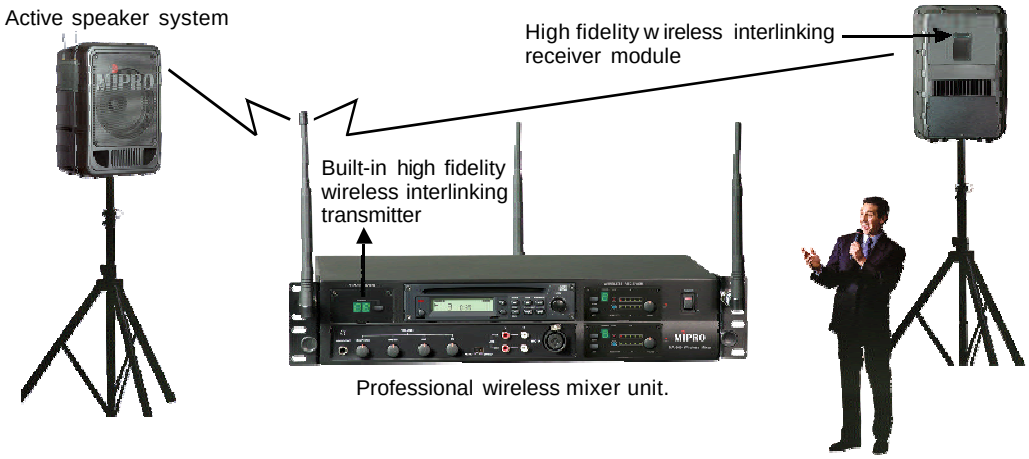
Fig. 3-2

Fig. 3-3



3. Operation Notes and Precautions:

1. Microphones have priority over music inputs. When music is playing and a microphone receives an audio signal, the music will be muted. As soon as there is no longer an audio signal to the microphone, the music will fade in.
2. Although the same frequency band may be used, it is important that the frequency of the MT-90 transmitter and the MRM-70 receiver module are not the same. Otherwise, the MA-909 will not operate properly.
3. All audio sources to the MA-909 will be transmitted via the MT-90 transmitter to any MR-90 receiver equipped active speaker. Please refer to attached Figures.



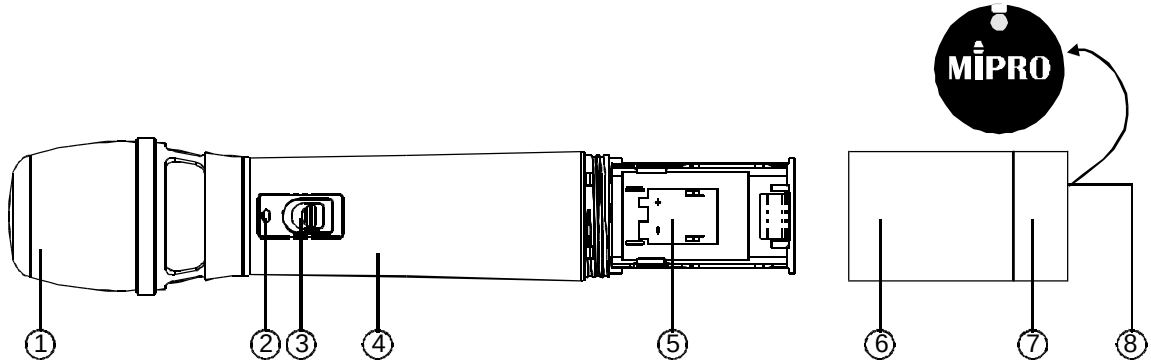
4. Specifications :

Model Number	MA-909
Receiver Module	Accepts one or two MRM-70 UHFACT receiver modules
Matching Transmitters	Handheld: ACT-707HE, Bodypack: ACT-707TE
Antennas	Located on rear panel
CD Player	Built-in anti-shock mechanism
Audio Input Jacks	Balanced/Unbalanced MIC & LINE-IN/LINE-OUT
T.H.D.	< 0.5%
Frequency Response	50Hz-15KHz±3 dB
Wireless Transmitter	16 frequencies in the UHF 600MHz band
Power Supply	Built-in 90~264V AC switching power supply
Dimensions (m/m)	420 (L)x 44 (H) x 200 (D)
Weight (kg)	5.2
Exterior Color	Black

HANDHELD WIRELESS MICROPHONE

Operating Manual

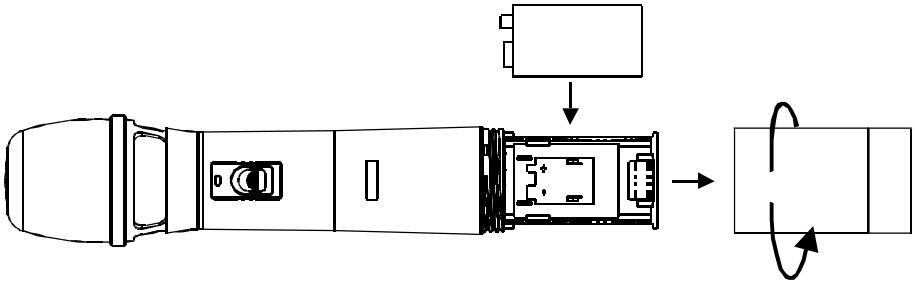
1. PART NAMES AND FUNCTIONS



(Fig.1)

1. Grill: Protects cartridge, prevents "POP" noise and prevents microphone from rolling with polygonal shape.
2. Battery Status Indicator: Indicates power on / off and the battery status. When the power switch is turned ON, the red LED indicator flashes briefly, indicating normal battery status. If no flash occurs, the unit has no battery installed or the battery is either discharged or installed incorrectly. If the indicator remains lit after power up, the battery is weak and should be replaced.
3. Power On/Off Switch: Slide the switch to turn power "ON" or "OFF ".
4. Microphone Housing
5. Battery Compartment: Accommodates one 9-Volt battery.
6. Battery Compartment Cover
7. End Ring: An optional color ring may be installed here to identify multiple transmitters.
8. ACT Sensor: Receives ACT signals to automatically program the microphone frequency.

2. BATTERY INSTALLATION



(Fig.2)

1. Unscrew the battery cap (6) in a counter-clockwise direction.
2. Insert a 9-volt battery into the battery compartment (5), observing the correct polarity as shown in Fig. 2. The moment the battery touches the terminals, the indicator (2) will flash briefly, indicating correct polarity. However, if no flash occurs, either the polarity is incorrect or the battery is dead. Please re-insert the battery, observing its correct polarity, or exchange it for a fresh battery.

3. OPERATING INSTRUCTIONS

1. When the microphone is switched on:
   The indicator will flash briefly indicating normal operation.
2. During use:

   The AF LED indicator on the receiver will illuminate according to the audio signal strength from the microphone.
3. When the microphone is not in use:

   Make sure that you turn off the microphone to extend battery life. Remove the battery from the battery compartment if the microphone is not to be used again for some time. If a rechargeable battery was used, take it out and recharge it.

4. CAUTIONS

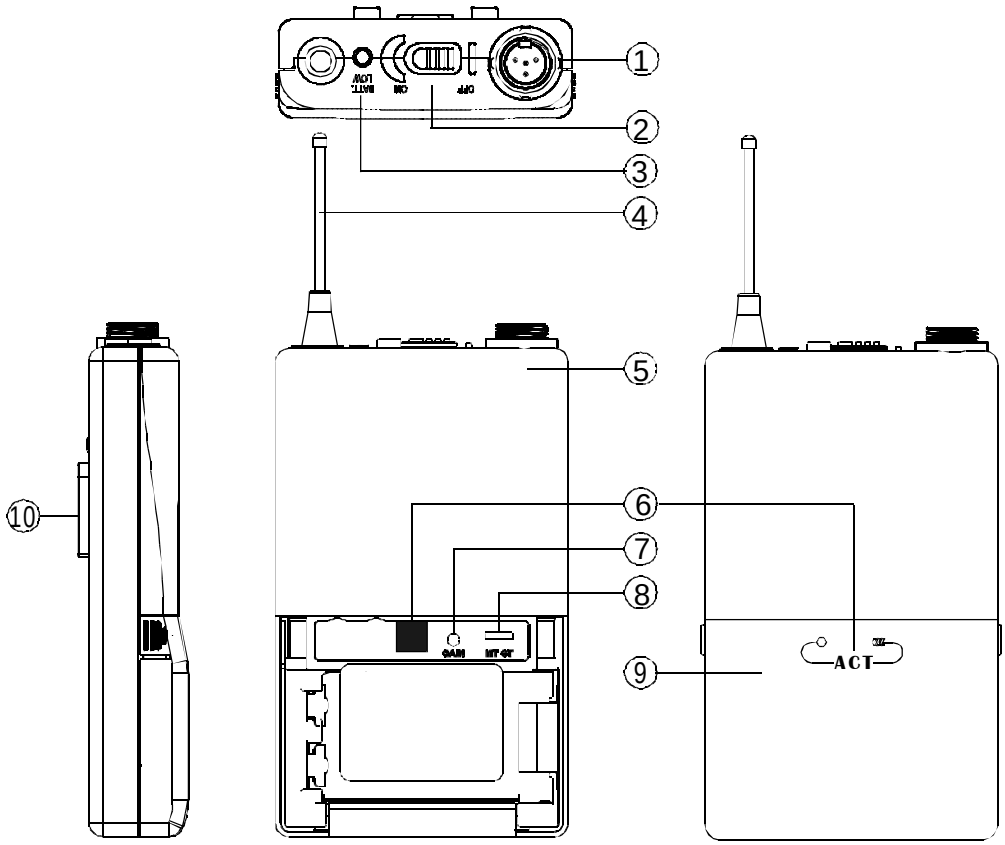
Under normal operation, when receiver and transmitter (mic) are paired together to a set frequency, the microphone indicator (2) will remain off after ACT sets up the frequency. However, if the indicator (2) is flashing, it means the receiver and transmitter (mic) are not in the same frequency band.

Please check the stickers on the transmitter (mic) and receiver to verify that the frequency bands match.

BODYPACK TRANSMITTER

Operating Manual

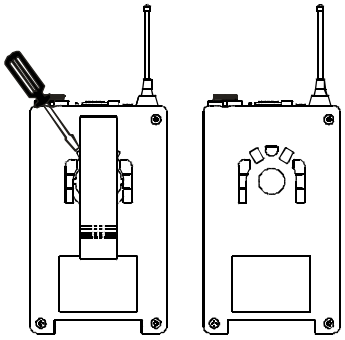
1. PART NAMES AND FUNCTIONS



(Fig. 1)

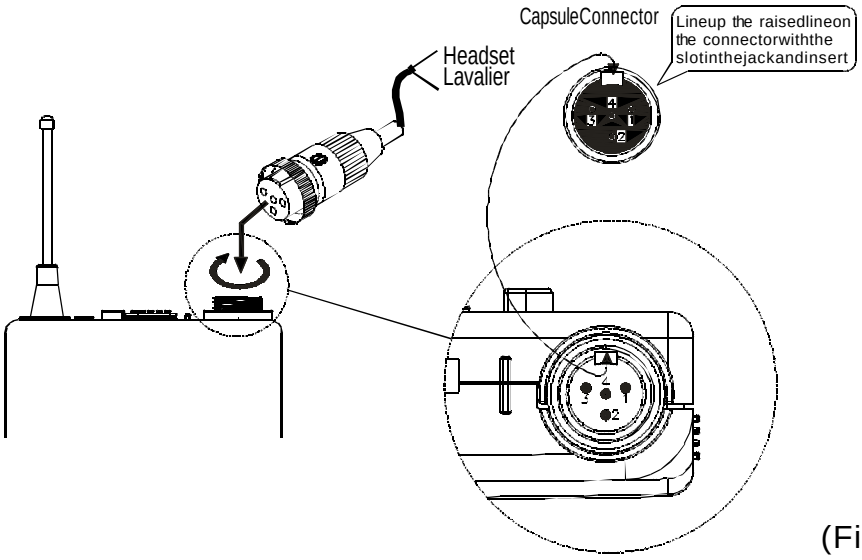
1. MIC Input Jack: Connects to either a lavaliere or headset microphone. (See Section 3 for connection details)
2. Power Switch: Switch to ON position for operation. Switch to OFF position when not in use.
3. Battery Status Indicator (red): Indicates power on / off and battery status.
   (a) When power switch is turned on: The LED indicator flashes briefly, indicating normal battery status.
   (b) When the LED indicator remains lit at either power on or during usage: The battery level is low and replacement is necessary.
4. Antenna: 1/ 4-wave transmitting antenna.
5. Transmitter Housing
6. ACT Sensor: Receives the ACT signal to automatically program the transmitter frequency.
7. Gain Control: Adjusts the microphone input gain.
8. GT/MT Level Select Switch: Switch to GT position for instrument usage and "Line In". Gain control is disabled in "GT" mode. Switch to "MT" for microphone usage. The gain control will adjust the input sensitivity in "MT" mode.

9. Battery Compartment and Cover: Accommodates one 9-Volt battery.
10. Detachable Belt Clip: Allows 360 degree rotation to suit transmitting angles. To detach simply use a screwdriver at a 45 degree angle (see diagram).



2. OPERATING INSTRUCTIONS

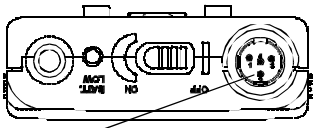
1. To adjust GT/MT Switch (8), and Gain Control (7), simply push down both snap locks on the sides of battery cover and flip it backwards to expose the adjustment panel.
2. To turn on the body pack, slide the power switch to the on position.
3. The LED indicator flashes briefly when power on indicating normal battery status. If no flash occurs it either has no battery, the battery is drained, or installed incorrectly. Change accordingly.
4. Plug the microphone connector into the input jack (1) and tighten the connector screw by turning clockwise as shown in (Fig. 2).

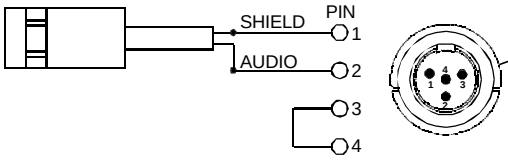


(Fig.2)

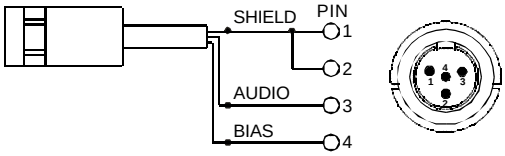
3. AF 4-PIN INPUT CONNECTION METHOD

(1) 2-Wire Electret Condenser Microphone Capsule

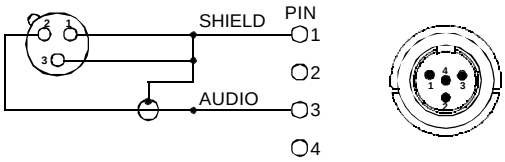




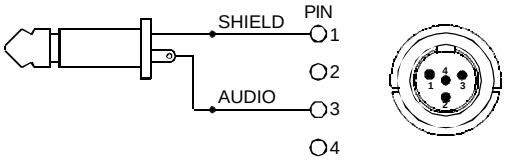
(2) 3-Wire Electret Condenser Microphone Capsule



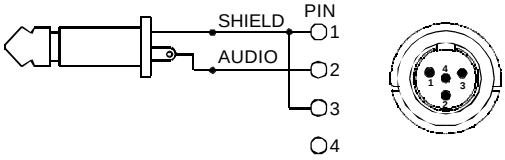
(3) Dynamic Microphone



(4) Electric Guitar

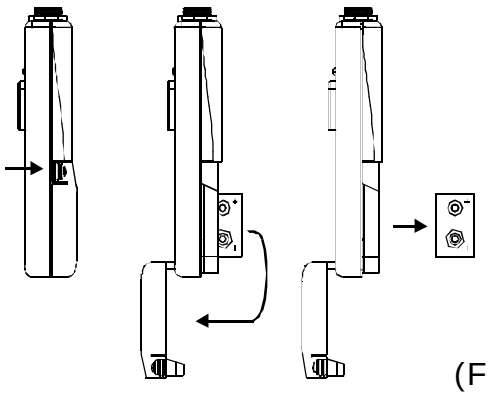


(5) Line-in (Impedance 8K ATT. 10dB)

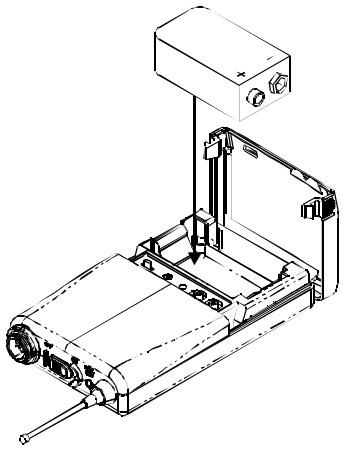


4. BATTERY INSTALLATION

1. Push down both snap-locks on the sides of battery cover to open (Fig. 3).
2. Insert a 9-volt battery into the battery compartment observing the correct polarity as shown in (Fig. 4). Then close the battery compartment as shown in Fig. 4).



(Fig.3)



(Fig.4)

Note: When the microphone is not in use:

Make sure the power to the microphone is switched off. If the microphone will not be used for some time, please remove the batteries from the battery compartment to avoid battery leakage that could damage battery springs and circuitry.

5. CAUTIONS

Under normal operation, when receiver and transmitter (mic) are paired together to a set frequency, the microphone indicator (2) will remain off after ACT sets up the frequency. However, if the indicator (2) is flashing, it means the receiver and transmitter (mic) are not in the same frequency band.

Please check the stickers on the transmitter (mic) and receiver to verify that the frequency bands match.

Notice :

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

IMPORTANT NOTE:

To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

Federal Communication Commission Interference Statement

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 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 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.

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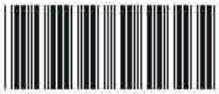

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