BAR
NDANCE

THE PROFESSIONAL WIRELESS MICROPHONE SYSTEM
YOU CAN COUNT ON

Built-in Rechargeable Wireless Microphone
Unit Must Use Rechargeable Batteries.

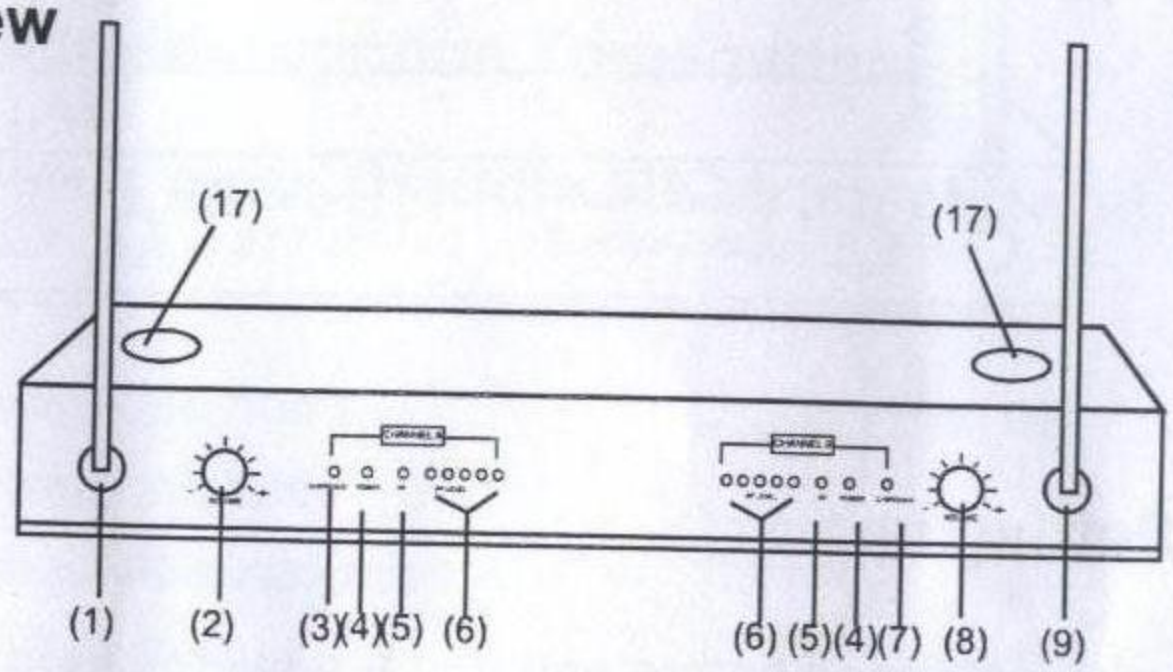
Built-in rechargtable wireless microphone system

Thank you for selecting wireless system. please take some time to read carefully through this manual before setting up the equipment.

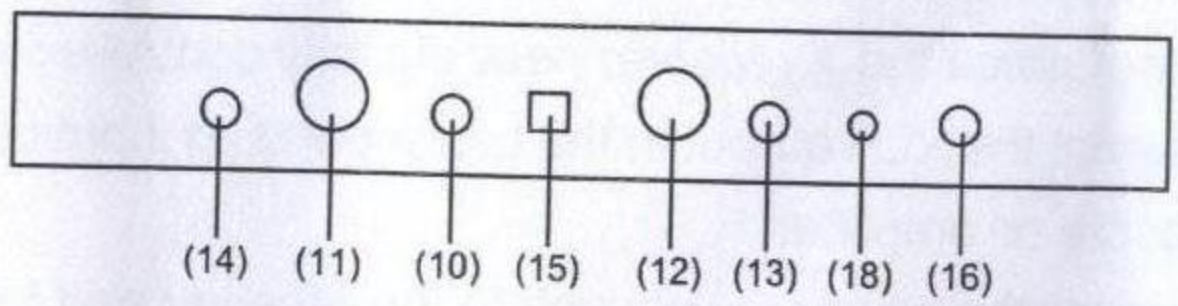
1. Recharging Receiver

1.1 Names Of Parts

Front view



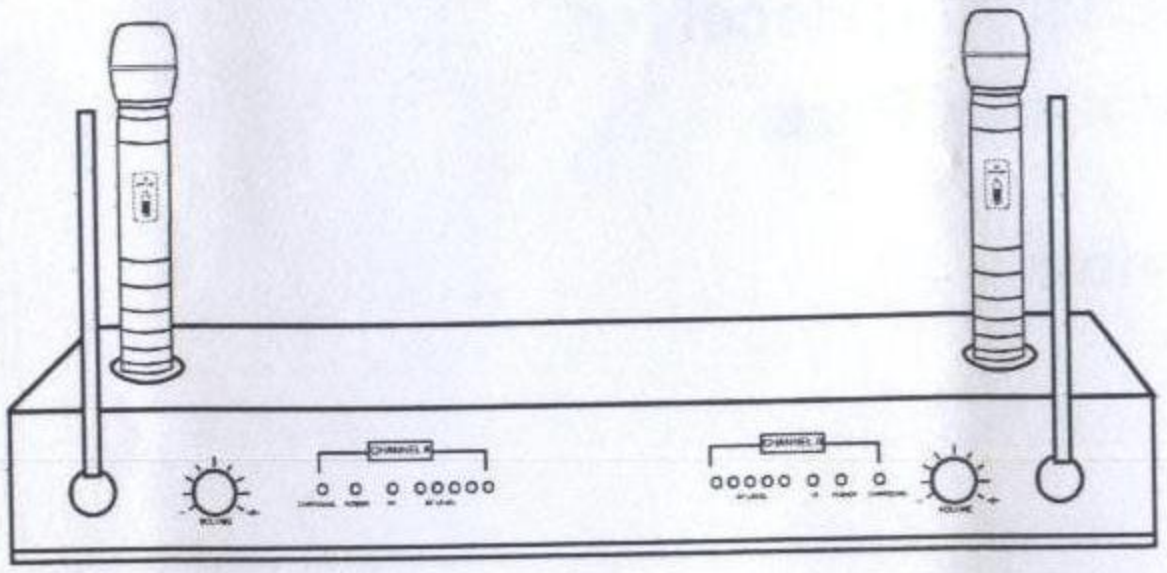
Rear view



(1) CH.A antenna
(2) CH.A volume switch
(3) Recharging indicator
(4) Power indicator
(5) RF signal level indicator
(6) AF signal level indicator
(7) Volume lever switch
(8) CH.B volume lever switch
(9) CH.B antenna
(10) Mixed output
(11) Balance B output
(12) Balance A output
(13) CH.A AF out
(14) CH.B AF out
(15) DC input
(16) Power switch
(17) Rechargeable Sockets
(18) Multing Adj knob

1.2 Antenna

Fully extend the antenna and set them at an angle of 90° with floor. The two antenna are positioned this way to achieve the best pick-up reception.



1.3 Setting up

1. Must be charged before you use the microphone.The switch and the panel must be in the same direction.
2. Do not put the receiver in a corner to work in good condition.
3. Do not place the X receiver near digitally controlled equipment.
4. Connect the XLR output to the corresponding input of the mixing console or amplifier.
5. Connect the power supply unit to the receiver and to DC power input socket.
6. To adjust the input gain turn the squelch control to maximum. If the RF indicator is illuminated when there is no transmitter switched on,there is RF noise present.
7. Switch on the transmitter,if more of the RF signal indicator illuminated. that means the receiving signal strength.

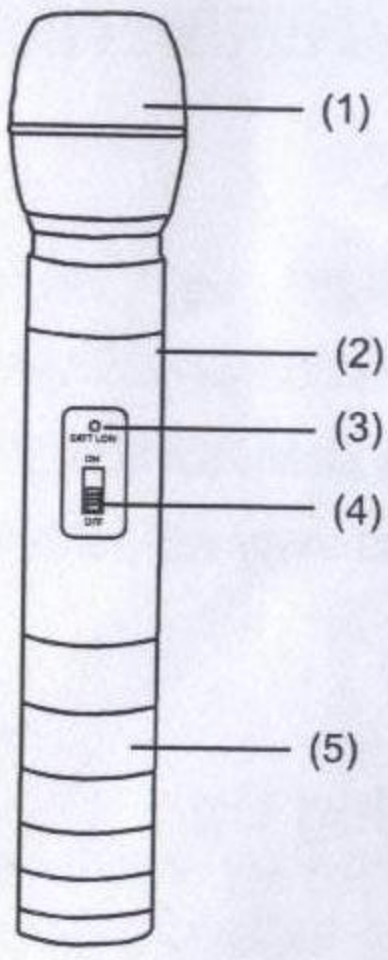
1.4 Squelch

Switch off the transmitter before you change the squelch. Now the receiver should be muted. If it is not,then slowly adjust the squelch until all unwanted signals are muted. As soon as the receiver has been muted,the On/Mute LED is illuminated red. Setting the level too high,however,will reduce the range of your system.

2. Handle Microphone Transmitters

2.1 Names parts (Handle MIC transmitters)

(1)Microphone head
(2)Microphone body
(3)Low voltage indicator
(4)Power switch
(5)Battery compartment



2.2 Setting Up

1. Switch on the receiver.
2. Rotate the microphone body counter clockwise and carefully slide the transmitter shaft down. Insert 9V batteries and observe the polarity marks.
3. Put the switch to the "ON" position,the indicator flashes for a moment At that time,the indicator "RF" on the receiver shoule Be "on". It means that the signal is transmitted to the receiver from the microphone properly.

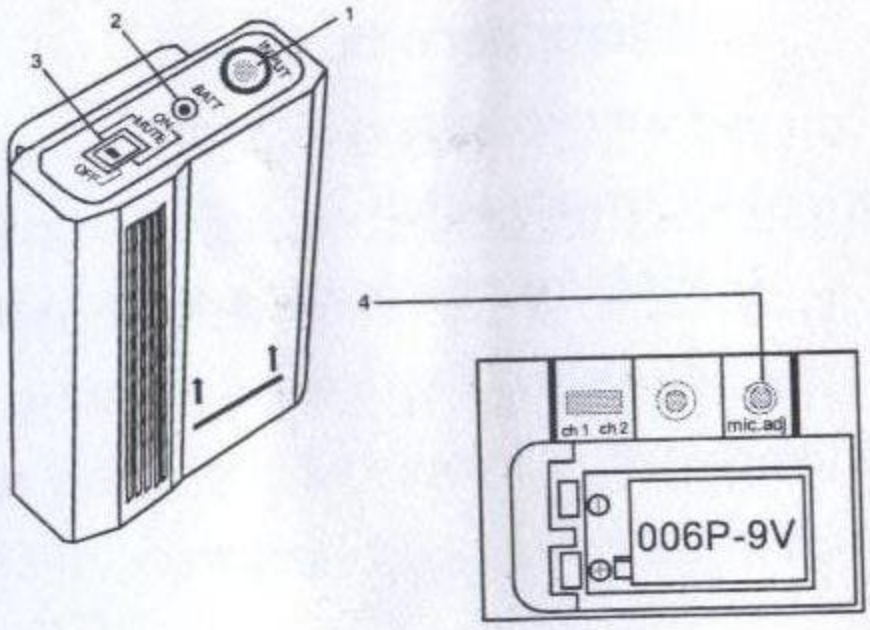
4. When the MIC is charging LED will on.
   When the Batteries fully charged receiver LED will off.
5. When the battery capacity is too low for operation,the power on battery indicator goes out. To avoid replace the battery immediately.
6. To avoid popping,try holding the microphone at a slight angle below your mouth (3-5cm).

Note: Unit must use rechargeable batteries for recharge.

3. Lavalier MIC Transmitter

3.1 Names of parts (lavalier MIC Transmitter)

1. Lavalier MIC jack
2. Battery indicator
3. Power & silent switch
4. MIC sensitivity adjustor



3.2 Setting Up

1. Open the battery case and insert 9V battery (watch out the polarity marks).
2. Connect the supplied microphone.
3. Put the switch to the "ON" position,the indicator flashes for a moment. At that time,the indicator "RF" on the receiver should be "on". It means that the signal is transmitted to the receiver from the micropohone properly.
4. When the battery capacity is too low for operation,the power on battery indicator goes out. To avoid distortion replace the battery immediately.

3.3 MIC Sensitivity Adjustor

Rotate the "mic.adj" clockwise .the MIC sensitvity will be increased.
Rotate the "mic.adj"counter clockwise .the MIC sensitivity will be reduced.

Important:

There are various microphones available for the Lavalier MIC. As their characteristics vary,the sensitivity has to be re-adjusted with each change of microphone.

4. General Instructions for all Transmitters

4.1 Battery Change

1.Switch the transmitter off before changing the battery.
2.If you do not intend to use the transmitter for several weeks or months, please remove the battery as it can leak after some time and damage parts of the transmitter.

4.2 Before the Sound check

1.Make sure the transmitter and receiver are on the same frequency.
2.The distance between receiving antenna and transmitter should be at least 1m.
3.Try and avoid feedback,especially when you use omnidirectional microphones.(DO NOT AIM THE MICROPHONE TO SPEAKERS)

4.3 What to do the Feedback

Feedback is caused when the microphone is too close to a loundspeaker.

We recommend:

Reduce the volume of the sound system.

Move away from the loundspeaker.

Reduce the sensitivity of the transmitter.

5. Trouble Shooting

5.1 The Rehargeable Receiver

Problem	Possible Cause	Solution
No function	• Power supply is interrupted. Power supply unit is not connected to the receiver	• Connect power supply unit to the DC jack socket.
No reception	• Transmitter is not switched on • Transmitter works on a different frequency • Receiving antenna are not pulled out.	• Switch on the transmitter • Make sure that the transmitter and receiver are on the same frequency • Extend the receiving antenna.
Distorted sound	• Input amplifier of the connected mixed is overloaded	• Use the reduction of the mixed or adjust the volume

5.2 Transmitter

Problem	Possible Cause	Solution
No function	• Transmitter and receiver have different frequencies. • Insufficient battery voltage • Insufficient battery contact, battery inserted incorrectly.	• Make sure the transmitter and the receiver are on the same frequency • Replace the battery • Check the battery and insert it again.
No "RF' on the receiver	• Transmission distance between transmitters and receiver is too far. • Defective antenna • Transmitter and receiver have different frequencies.	• Reduce the distance between transmitter and receiver • Check the antenna and replace it,if necessary • Make sure the transmitter and receiver are on the same frequency.
Noise/chirping	• Interference from other transmitters • Two transmitter using the same frequency • Battery of the transmitter is too weak.	• Switch off the other transmitters • Avoid using two transmitters with the same frequency • Replace the battery

6. Precautions

Do not open or modify

- Do not disassemble the system,as it may cause damage to the unit. For internal repairs,consult your dealer or an Authorized Service Center.Tel:(750)7181688 or Fax:(750)7181388.

Cleaning

- Before servicing or cleaning the unit,be sure to disconnect the AC.
- The system can be cleaned by wiping with a soft cloth. To remove stains,wipe with a soft cloth moistened with a mild detergent.then wipe with a dry soft cloth.
- Do not use benzene,thinner,or any other chemical product on the system,as this may cause deterioration.

Be careful when handling the unit

- Use with care,so that no foreign substance(dirt,rain,sand)can enter the unit,as that may cause damage.
- To prevent damage,do not drop the unit or subject it to sever shock or vibration.
- This system is not water-resistant. Do not put it in water and be careful to protect it from rain,sea water,etc...

7. In Case of Problem

Do not use the wireless microphone if it does not function correctly. Take the battery out or disconnect the AC immediately and consult your dealer or an Authorized Service center.

8. FCC Rules and Regulations

The Wireless Microphone systems are type accepted under FCC rules parts74 and 15.
Licensing of EnPing GaoEr Audio Equipment Co.,Ltd. is the user's responsibility and licensability depends on the user's classification, application and frequency selected.

9. Specifications

Receiver

Receiver model----------Rechargtable
Carrier Frequency----------188.2MHz
Frequency steadying----------30PPM
Sensitivity----------3uV@ 30dB S/N
F/N Ratio----------80dB
P/N Ratio----------70dB
Audio output----------1/4",3-pin XLR (0~774mV)
Antennae----------BNC
Dimensions(W*H*D)----------482*172*44

Transmitter

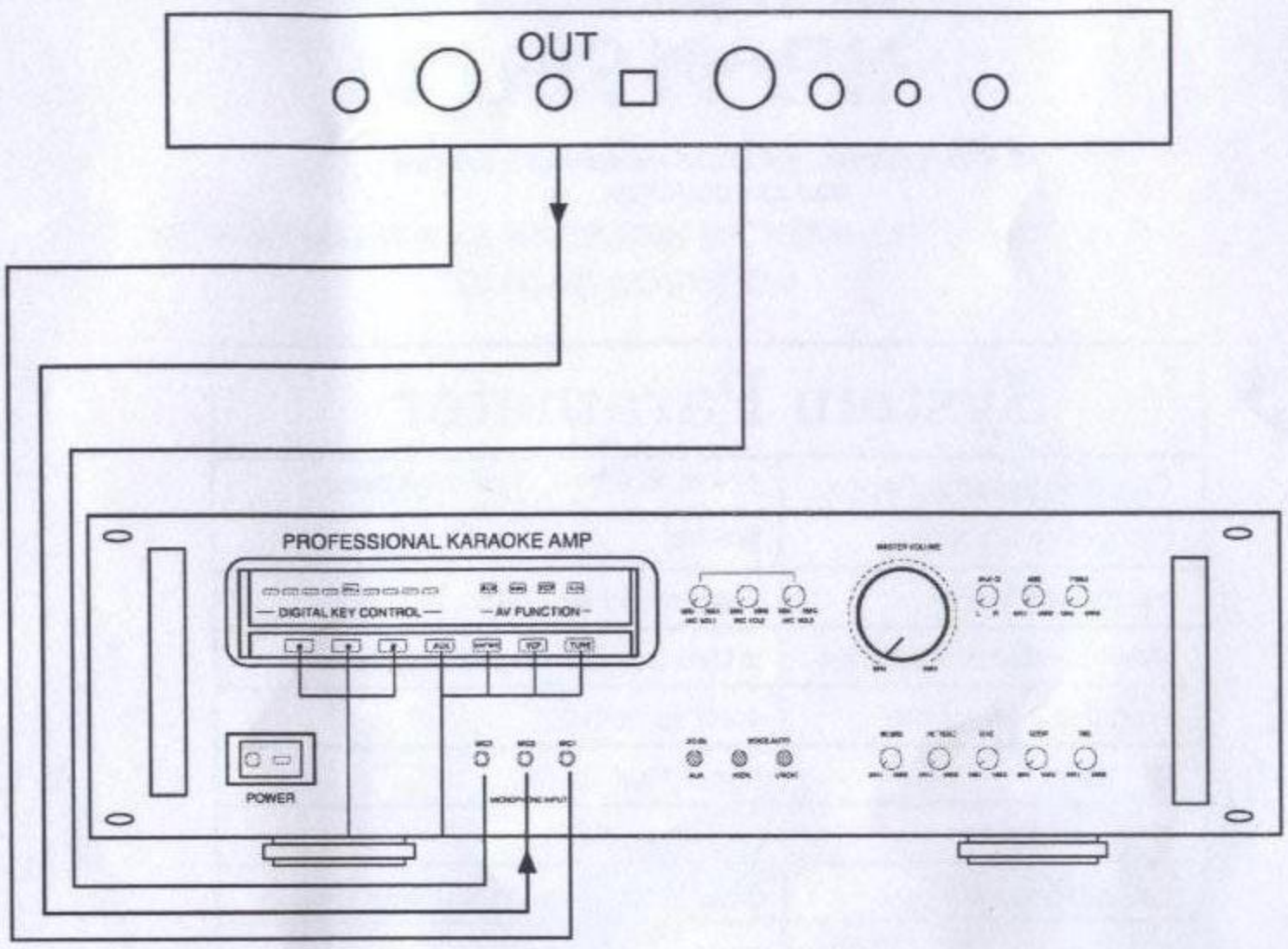
Carrier Frequency----------188.2MHz
Frequency steadying----------30PPM
Modulation Model----------FM
Nominal deviation----------15KHz,max 30KHz
output power----------30mW
RF squelch----------->50dB
Battery----------9V

System

Audio Frequency responses----------50-16000Hz
S/N Ratio----------->100dB
T.H.D----------<1%

Connection of audio equipment

Receiver



Power Amplifier

★ In case of Mixing output of two microphones,connect the Mixing port of receiver and MIC1, port of Power Amplifier with our original part ø6.3 plug line.

★ In case of output of each microphone,connect the MIC 1 of the receiver with MIC1 of the power amplifier and the MIC2 with the MIC2 of the power amplifier.

★ To optimize the sound receiving effect,place the receiver on top of the system and fully extend the antenna.

★ Keep the receiver far away from VCD,LD or radio set to avoid interference.

★ Only use BAR original parts.

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System Parameter	
Carrier Frequency Range	174 to 216 MHZ, VHF high band.
Frequency Stability	30PPM
Modulation Mode	Frequency Modulation
Maximum Dynamic Range	±15KHz,with limiting compressor
Frequency Response	40HZ to 16KHZ.
S/N Ratio	Better Than 90dB.
T.H.D.	Less Than 1%.
Audio Dynamic Range	Over 100dB. over 118dB With limiting.
Service Areas	30 Meters.
Temperature Range	-20°C to 55°C.
Meet PCC part	15 and 74 Standands

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