USER INSTRUCTION

Inuses the unit before, please read the instruction manual carefully and keep the instruction manual properly in order to need in the future

INSTRUCTION MANUAL

PROFESSIONAL

MICROPHONE

Wireless Microphone System

CAUTION:READ THIS BEFORE OPERATING YOUR UNIT.

- To assure the finest performance, please read this manual carefully. Keep it in a safe place for future reference.
- Do not use force on switches or connection wires. When moving unit, first disconnect the power plug and the wires connected to other equipment.Never pull the wire itself.
- Install this unit in a cool, dry, clean place----away from windows, heat sources of excessive vibration, dust, moisture and cold. To prevent fire or electrical shock, do not expose this unit to rain or water.
- Only use provided power adapter, and confirm the voltage is correct to the adapter. The use of other power adapter may damage the machine and void your warranty.
- The machine use 110-240V AC power supply voltage, the use of other voltage may cause fire and fault.
- Avoid collisions or vibration of the machine.
- Never open or try to change the circuit of the receiver, transmitters and the power adapter. This could damage your machine and void your warranty.If the machine fails to work, please send to the Maintenance Service Center.
- Be sure to read the " Troubleshooting" section regarding common operating errors before concluding that the unit is faulty.
- If there are any abnormal cases happened during using, such as smoke, odor, etc., please unplug the adapter immediately, and send the machine to the Maintenance Service Center ASAP.
- Use the 2A alkaline batteries for the transmitter. Be sure the polarities are correct. (See the illustration inside the battery compartment.) Remove thebatteries if the transmitters will not be used for an extended period of time.
- When not planning to use this machine for long periods of time, disconnect the power adapter plug from the wall outlet.
- Do not attempt to clean the unit with chemical solvents; this might damage the finish. Use a clean, dry cloth.

※FEATURES

1. UHF band (500-960 MHz) frequency with 200-300 manualadjustable frequencies with PLL synthesized control.
2. Press the lR button to automatically match frequency, the data of the receiver will send to transmitter through infrared ray.
3. Lock function, avoid misuse.
4. Two microphone channels with individual volume controls
5. Two Independent XLR Balanced Outputs
6. One 1/4 inch phone jack mixed output.
7. LCD display panel on transmitters and receiver show RF/AF and Channel.
8. Rugged 1RU metal receiver chassis.
9. Operating range up to 100m.(in ideal condition)
10. DC 12V adaptor supply power adoptor.

※RECOMMENDATIONS

How to use the hand-held wireless microphone properly

1. Hold the middle part of the microphone body. Holding too close to the sound inlet basket will affect the microphone's pick-up pattern, holding it at the lower part of the body will reduce the transmitter's range.
2. You can vary the bass reproduction by increasing/decreasing the talking distance to the microphone.

How to use the body-pack wireless transmitter properly

1. Body-pack transmitter utilize a separate 1/4 wavelength whip. The effect will be reduced when the antenna be winded or touched by the user's body.
2. Adjust the sensitivity moderately based on varies audio resources and microphones.
3. When using a Lavalier Microphone, in order to reduce the variations to minimum when the user turns his or her head away from the microphone,attach the microphone as centrally as possible .Attach the microphone carefully and conduct the cableso that nose due to friction is avoided.
4. Always position the microphone at the corner of the mouth. You can increasing/decreasing the bass by adjusting the talking distance to the microphone.
5. When Lavalier Microphone used for live sound reinforcement, make sure that the sound inlet is directed towards the mouth, speaker should be select and layout to reduce the acoustic feedback in principle, in particular prone to acoustic feedback of occasions, match acoustic feedback suppression.

How to use the receiver properly

1. There are True diversity and Non-real diversity ,Non-real diversity is economicand the True diversity has better effort on transmission. you can choose reasonable according to you need .
2. Observe a minimum distance of 50CM between receiving antennas and metal objects.
3. The range of the receiving varies because of many kinds of reasons.You can have better effect where there are no large metal objects.
4. If reception conditions are not satisfied, you should use two remote antennas which are connected via antenna cable.

Using several transmitters in the same place

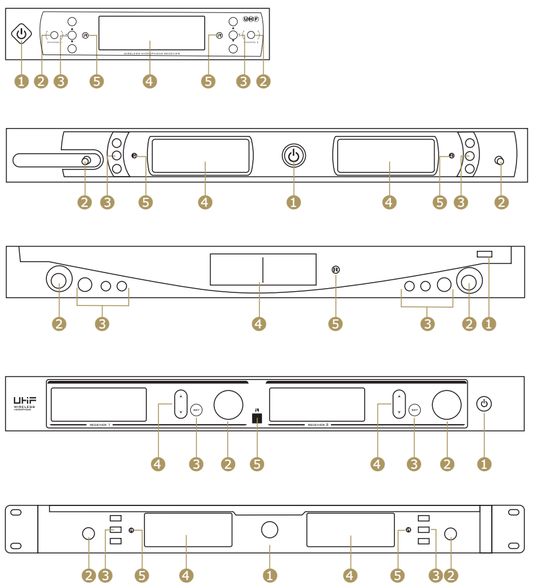
1. In the 50 MHz band width, you can use 200pcs transmitters at the same time.
2. When using several transmitters simultaneously, interference can be avoidedby keep a minimum distance of 20CM between two transmitters.
3. When use many transmitters, we advise you to use the UHF Directional antenna.UHF Antenna Booster, Active Antenna & power distribution system.
4. Low-power set used in KTV, private rooms,school classrooms, etc., Usingas many as 200pcs microphones at the same time will not interfere with each other.

※TROUBLESHOOTING

PROBLEM	SOLUTIONS
No sound; receiver RF lights and audio lights not glowing	Make sure POWER switches on transmitter and receiverare set to the ON position. Check microphone batteries to ensure that they are providing power. Replace battery if necessary. Check receiver's AC power connection. Make sure antennas are in the microphones line of sight If necessary, reduce the distance between the microphones and receiver.
No receiver sound; RF and audio level meter lights glowing	Turn up the receiver's Volume level controls. Check for proper connection between receiver and extemal amplifier/mixer. Talk into the microphone and observe the receiver's RF signal LEDs. If they glow, the problem is elsewhere in thesound system.
Receiver signal is noisy or contains extraneous sounds with transmitter on	Check microphone batteries and replace if power is low.Remove local sources of RF interference, such as lighting equipment. Two transmitters may be operating too close together or on the same frequency. If so, turn one off. Signal may be too weak. If so, reposition antennas (If possible, move them closer to the transmitter).
Noise coming from the receiver with the microphones turned off	Remove local sources of RF interference, such as lighting equipment. Reposition the receiver or antennas.
Momentary loss of Sound as transmitteris moved around performing area	Reposition receiver and perform a "walkthrough" test and observe the signal strengths. If audio dropouts persist, mark these "dead spots" in theperforming area and avoid them during the performance.

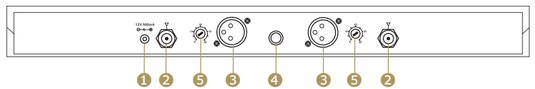
FRONT AND BACK PANEL DESCRIPTIONS

View of Front Panel



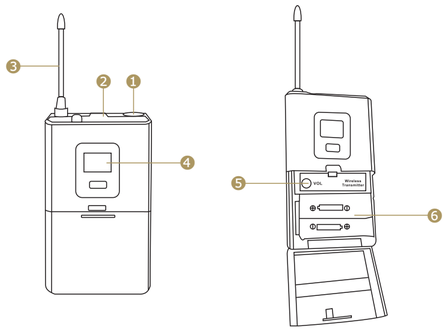
① On/Off switch
② Volume control
③ Function keys
④ Display window
⑤ IR port

VIEW OF BACK PANEL



① Power in jack: DC12V/500 mA
② Antenna
③ Balanced audio output with XLR jack
④ Mix audio output with 6.35mm phone jack
⑤ Adjust the sensitivity

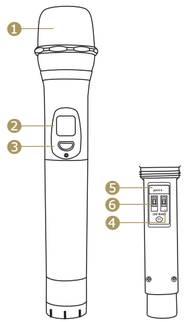
BODY-PACK TRANSMITTER DESCRIPTIONS



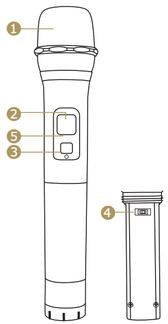
① Microphone /line input (MIC / LINE)
② Power button
③ Antenna
④ LCD display
⑤ Infrared receiver(IR)
⑥ Battery tray

HAND-HELD TRANSMITTER DESCRIPTIONS

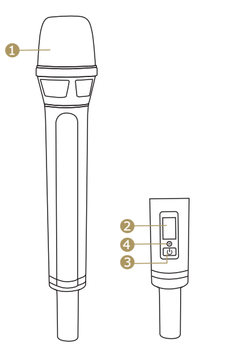
Type A

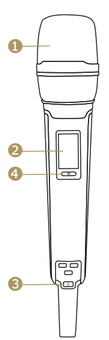


Type B



Type C





① Grille
② LCD display
③ Power button
④ RF switch
⑤ Infrared receiver(IR)
⑥ Lock switch

SAFETY

Care and maintenance

Keep the machine away from damp, electromagnetic field, high temperature.Never expose them to direct sunlight . Take out of the batteries of the transmitter and unplug the power wire of the receiver if you don't use it for a long time.

Cleaning

Pull out the plug,use a slightly damp cloth to clean the machine. Do not use any cleansing agents or solvents.

Maintenance

Never open the machine by yourself when problems appeared, please contact the local distributor or call us directly, we will do our best!

Repair

If units are opened by customers in breach of this instruction, the warranty becomes null and void.

SPECIFICATION

System:

Carrier Frequency:UHF 500-960MHz
Modulation Type:FM
Available Band Width:50MHz
Channel:200-300 channels
Frequency stability:±0.005%
Audio Dynamic range:>105dB
Max. deviation:±68KHz
Total Harmonic Distortion:≤0.5%
Frequency response:50Hz-18KHz(±3dB)
Image &Spurious rejection:80dB
Signal/Noise Ratio:>105 dB
Maximum Distance:100m(in ideal condition)Operating Temperature:-10℃—+40℃

Receiver:

Power supply:DC 12-18V/500mA
Power consumption:3W
Sensitivity:12dBμV(80dBS/N)
Audio output level: Mix:0～200MV
Separate:0～400MV

Transmitter:

Output power:High:30mW;Low:3mW
Battery:3V(1.5V AA×2)
Battery Life:High: >10 hours
Low: >15 hours