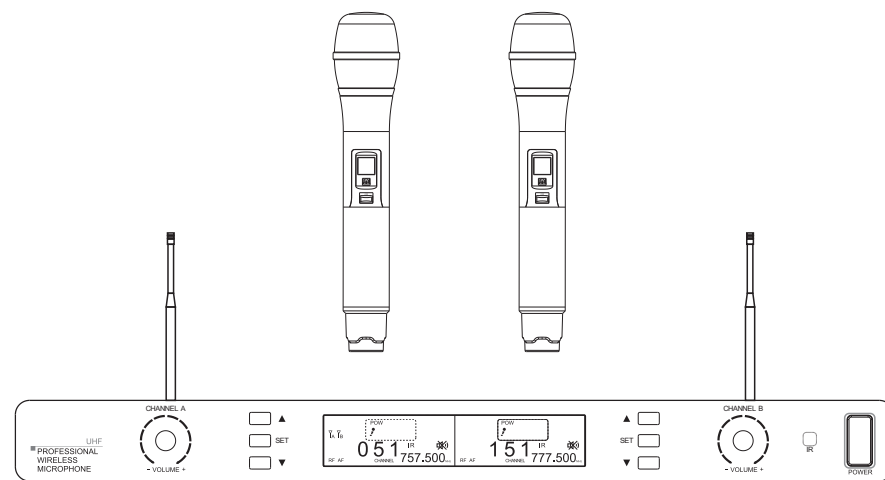


WIRELESS MICROPHONE

OPERATING MANUAL



UHF MICROPHONE RECEIVER

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Introduction

Thank you for choosing our wireless system, and congratulations on your choice. The one have the best performance and price value in professional UHF wireless system.offering clear-channel, frequency-agile operation on the UHF band for interference-free performance in any application or locale.

Using This Manual

This booklet provides instrucktions for the operation of the wireless system and includes a description of features, aquick user controls guide, a step-by-step guide to operations for each unit,system specifications,a troubleshooting guide.

Accessories

Parts list

Before installing your wireless microphone, Here are a few things you should do/know:

Handheld microphone or bodypack
AC power adapter (1)
Receiver (1)
Cable (1)
AA battery (4)
User manual

*Be sure to keep original packaging in case of re-shipping is needed.

Notes

- 1) Check to see whatever the local voltage accord with operating receiver voltage (Wrong selection may lead to burn out of receiver)
- 2) Do not dismantle the machine on your own. For internal repair, please contact the local distributor or accepted service center.
- 3) When the machine will not be used for a long time, please disconnect the power plug from receiver.

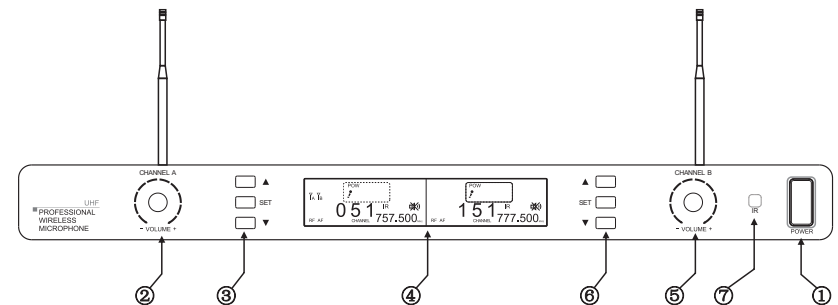
Cleaning

Please make sure the power is disconnected before cleaning or repairing the machine. The machine can be cleaned by using a soft cloth with water. Dry the machine with a dry cloth and let it air dry for 15 minutes.

Please do not use volatile gasoline, diluents or other chemicals to cleaned the machine or the surface will be damage.

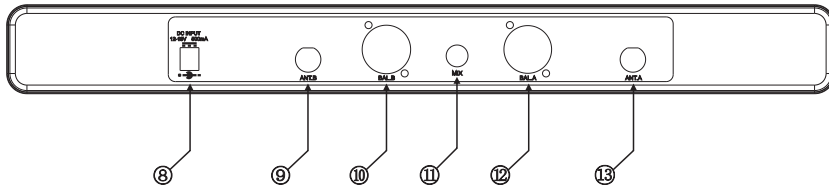
System Operation

Receiver Front Panel



- ① **POWER BUTTON:** Press up or down to turn the receiver ON-OFF.
- ② **CHANNEL A VOLUME CONTROL** Turn around to control the volume level
- ③ **CHANNEL A OPERATION BUTTON** To scroll LCD menu and set the selected program/function, to change the receiver GRP/CH UP or DOWN by one step at a time.
- ④ **LCD Display** For indication of GRP(00-99)/frequency CHANNEL(500-950MHz)
- ⑤ **CHANNEL B VOLUME CONTROL** Turn around to control the volume level
- ⑥ **CHANNEL B OPERATION BUTTON** To scroll LCD menu and set the selected program/function, to change the receiver GRP/CH UP or DOWN by one step at a time.
- ⑦ **IR** Infrared LED transmitter window for linking the RX to the TX for frequency download

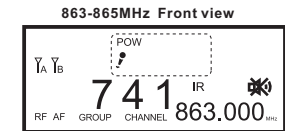
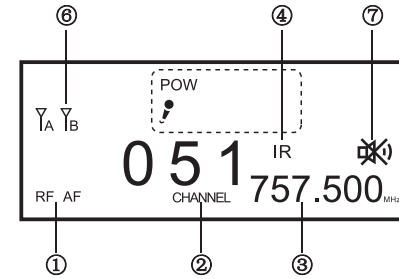
Receiver Rear Panel



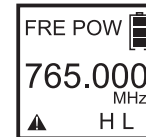
- ⑧ **DC INPUT JACK** For connecting external AC/DC adapter for powering receiver
- ⑨ **ANTENNA B** ½ wave antenna for B connector
- ⑩ **BALANCED MIC OUT B**
- ⑪ **UNBALANCED AUDIO OUT** (use unbalance audio cable connect to audio mixer)
- ⑫ **BALANCED MIC OUT A**
- ⑬ **ANTENNA A** ½ wave antenna for A connector

Quick User Controls Guide

Receiver: Front view

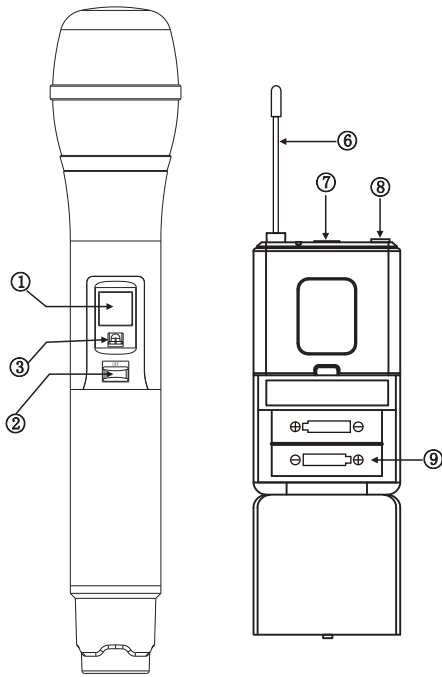


Handheld LCD display

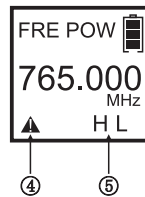


- ① **RF/AF LED TREE** Shows audio level -- the RED LED indicates maximum audio level allowable
- ② **FREQUENCY CHANNEL** indicates selected output volume level range from 00-100
- ③ **FREQUENCY** indicates selected frequency from 600-870MHz
- ④ **IR** For indicates when the transmitter is successful connected.
- ⑤ **Transmitter information** For indication of frequency from 600-950MHz, battery, and HIGH or LOW power output.
- ⑥ **DIVERSITY A/B INDICATORS** indicates A or B receiver active when transmitter is on
- ⑦ **MUTE INDICATOR**

Transmitters



Handheld LCD display



HANDHELD

- ① LED screen
- ② Power switch
- ③ IR window
- ④ low battery indicator
- ⑤ RF output power(High or Low)

BODYPACK

- ⑥ Antenna
- ⑦ Power Switch: Press the button for 2-3 seconds to turn on, the LED lights. Press again for 2-3 seconds to turn off.
- ⑧ Audio Input Interface.
- ⑨ Battery Room.

Function Discriptions

- 1) Press the switch button, turn on the machine, the LCD will display, if the LCD shows RF but turns off, it indicates there are interference frequencies, please change to another working frequency.
- 2) Choose channel, touch up/bottom key to adjust the frequency.
- 3) IR sync: After choose the channel, press IR to start syncing. (will move circularly)

Function instruction (Frequency range: 863-865MHz)

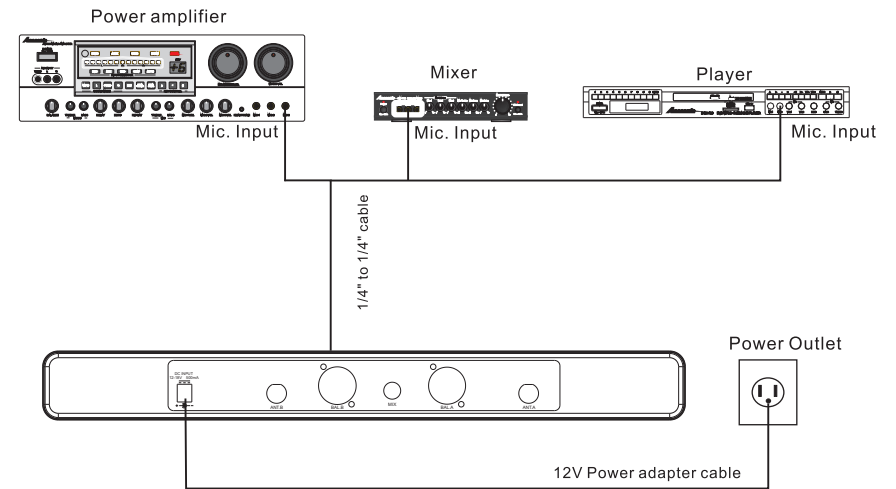
Group adjustment: When the IR infrared key, GROUP logo will flash, press up/bottom key to adjust the group.

Channel adjustment: touch SET/SYNC key, CHANNEL logo will flash, press up/bottom key to adjust the channel

Preset 7 groups, GRP NO.1:4CH; GRP NO.2:4CH; GRP NO.3:3CH; GRP NO.4:4CH; GRP NO.5:4CH; GRP NO.6:3CH; GRP NO.7:81CH.

NOTE: If stop operate after 12 seconds, the icon will stop flashing, the channel will acquiescent the last one you have chosen, press IR button, left or right button, SET button will effective the last chosen channel. for example, the last channel is B channel, then Please press IR to send the data to channel B, at the same time, the GROUP or CHANNEL icon will flashing.

Installation



- 1) Contact with 12-18V 500mA DC adaptor.
- 2) Connect one end of a 1/4" TO 1/4" CABLE to the receiver's UNBALANCE AUDIO OUTPUT(MIX) and the other end to a karaoke mixer, karaoke player or karaoke power amplifier 1/4" microphone input. If you are using the BALANCE AUDIO OUTPUT, use a XLR to XLR cable or XLR to 1/4" cable.
- 3) Unscrew the microphones handle cover(counter-clockwise) to check to see if there are batteries. If not, install the batteries into the microphones with the negative and positive end of the battery correspond the negative and positive end of the microphone. Screw the microphone handle back on(clockwise).
- 4) For best results, receiver could be install to 19" cabinet and placed on the flat bottom.
- 5) Keep the receiver antenna far from noise source, example "computer, digital equipment, TV television.
- 6) Two pcs antenna install on the behind of rear panel socket.and move the antenna and plane as a 45 degree position.

Connected

- 1) The power supply is connected to the power input jack of the receiver. The input voltage of the power adapter must be consistent with the local power specifications.
- 2) XLR balanced output and 6.3mm unbalanced output jack on the rear panel of the receiver, based on the need to be connected.

Troubleshooting

If you are having problems operating, or suspect something is wrong with the unit, please check the troubleshoot list below to see if the issue is a result of incorrect operation rather than equipment malfunction.

Problem	Possible cause	Solution
Receiver No sound; No lights	<ul style="list-style-type: none"> Power button is on the OFF position AC power adapter is not plug in Poor connection of AC power adapter How to switch from different channels? 	<ul style="list-style-type: none"> Turn on the power button Plug in the AC power adapter Check to see if the AC power adapter is loose. Check on the receiver end and wall outlet end See page 3 for detail
Microphone No sound; Lights on	<ul style="list-style-type: none"> The transmitter is out of range Microphone switch is off or mute Microphone volume is turn down Batteries in the microphone are not install properly The antenna is not fully functional. Receiver is not connect to an amplifier, mixer or karaoke player 	<ul style="list-style-type: none"> Operate the machine in the effective range Turn on the microphone switch (indicated green light) Turn on the microphone volume on the receiver Reinstall the batteries. Make sure the positive and negative end are install correctly Try to change the angel of the antenna Connect the ¼ to ¼ cable from the receiver to a microphone input (mixer, player, etc.). See Page 4 for detail
Distorted sound; feedback	<ul style="list-style-type: none"> The two microphones are too close together Batteries running low in microphone Microphone volume is too high Distortion from other electric wave 	<ul style="list-style-type: none"> Separate the microphone further away Replacement the batteries Reduce the volume of the microphone Move the receiver away from electric equipment

Features and specifications

Features:

- 200 user selectable UHF frequencies per band
- Microphone and receiver channels auto-sync via infrared
- Two high sensitive microphones with LCD indicators
- Noise reduction technology
- Applicable for medium&small stages, karaoke halls and home entertainment etc.

Specifications:

Receiver

Carrier Wave Frequency Range: UHF 500~950MHz
Frequency range(863-865MHz):
 Preset 7 groups , GRP NO.1:4CH; GRP NO.2: 4CH; GRP NO.3:3CH; GRP NO.4: 4CH; GRP NO.5:4CH; GRP NO.6:3CH; GRP NO.7:81CH.
Oscillation Mode: Phase-locked Loop controlled
Carrier Wave Stability: 10PPM
Sensitivity: -105dB @ sinad=12 dB
S/N Ratio: >105dB
T.H.D.: <0.5% @ 1KHz
Image rejection: 85 dB typical
Spurious rejection: 75 dB typical
Frequency Responses: 40Hz~18KHz
Working distance: 200 feet
Squelch Control: dual-squelch circuit
AF Output Impedance: 2.2KΩ
Max. Output Level: Balance : 0-400mv, Unbalance : 0-200mv
Display: LCD
Power Supply: External DC Power Supply, 500mA or 600mA (available for ZA country) 12~18V DC
Output Connector: 2xXLR Balanced Socket, Unbalance TRs⊙6.35mm Socket
Dimensions (m/m): 410(L)X43(H)X170(D)
Weights (Kg): 1.34

Transmitter

Handheld

RF output power: 30mW
Spurious emission: <40dB(with carrier)
Display: LCD
Battery voltage: 1.5V×2
Battery life: 8hours
Housing Construction: Metal

Bodypack

RF output power: 30mW
Spurious emission: <40dB(with carrier)
Battery voltage: 1.5V×2
Battery life: 8 hours