agent:

W-03

UHF SERIES

UHF

PLL

LCD

WIRELESS SYSTEM

THE VOCAL ARTIST UHF

THE PRESENTER UHF

THE HEADSET UHF

THE GUITARIST UHF

THE CONFERENCE UHF

CATALOG

SYSTEM COMPOSITION

1. Receiver..... X1
2. Wireless hand-held or body-pack microphone or conference microphone.....X8
3. Audio Cable.....X1
4. AC power adapter of special receiver.....X1
5. Battery 1.5V..... X16
6. User guide.....X1

Thanks for purchasing this product, please read this instruction carefully so that can understand how to operate the product of style you bought correctly. Please store this instruction in a safe place after reading as a reference in the future.

This series of professional wireless microphone system used a super steady PLL-synthesized control technic and match with the high efficient, low comsumption discharging technique and the super sensitive discharging receiving technique, also apply an independent developed mobile frequency compression, expander circuit, image frequency limiting circuit, a multiple checked silent and noisy circuit, antenna diversity receiving circuit, switch impact noise defeat circuit. resist reverberation circuit and changed output controlled slowly system and finished on its item named pattern line. Eery system is available to an excellent electric function by Q.C. strictly.

FOREWORD

Your new series of wireless system is designed to give you the best of both sound reinforcement worlds:the freedom of wireless system, and the excellent quality. This manual covers each of the series system: The Vocal Artist-UHF, The Presenter-UHF, The Headset-UHF, The Guitarist-UHF and The Conference-UHF.

SYSTEM FEATURE

1. Adopt the PLL-Synthesized control technic, 16 selectable UHF channels.
2. The UHF frequency range is 460-970MHz, avoiding the frequency interruption.
3. LCD information display.
4. Double noise squelch operation circuit and system will be higher efficient and much more steady.
5. Use the dynamic type and Uni-directional cartridge, clear to show the sound.
6. High efficient and low consumption design.
7. Use the high extension antennas, the operating distance will reach 50 m.

SYSTEM TYPE

The Vocal Artist-UHF is a hand-held system designed for singers who desire the high quality of microphones and the freedom of wireless performance.

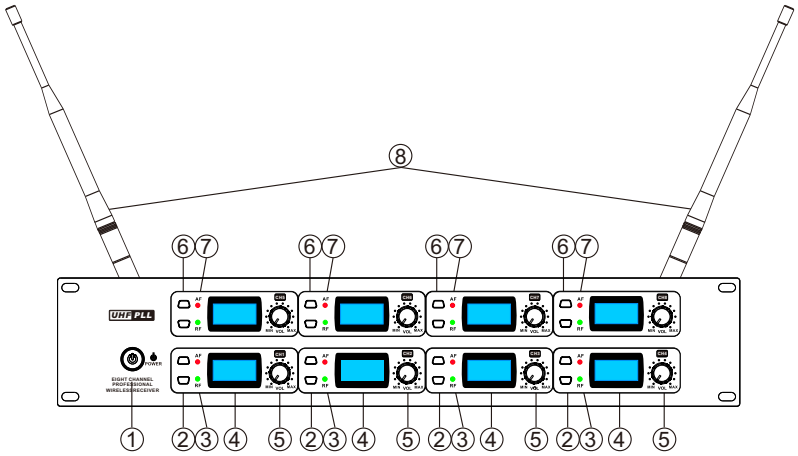
The Presenter-UHF is a body-pack system designed for public speakers who prefer an inconspicuous , hands-free lavalier microphone.

The Headset-UHF is a body-pack system designed for users in physically active applications, who desire the freedom of hand-free microphone.

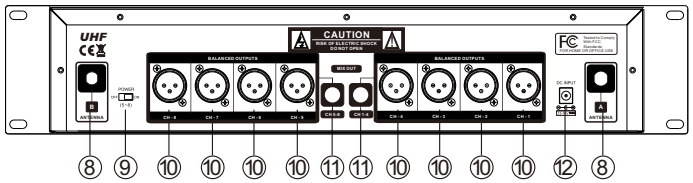
The Guitarist-UHF is a body-pack system designed for use with electric guitars, basses, and other electric instruments.

The Conference-UHF is a conferencing system that designed for sharing information and decisions made in conferences and meetings.

EIGHT CHANNEL RECEIVER FEATURES



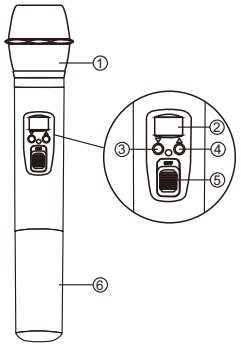
Front Panel



Rear Panel

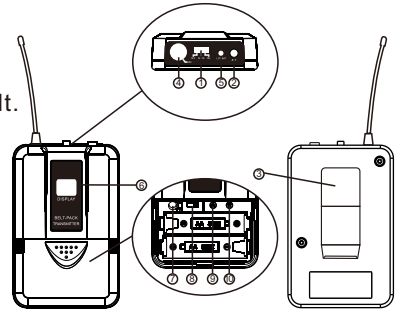
1.Power Button: Power ON/OFF the receiver.
2.Down Function Button: Sets channel data.
3."RF" signal Indicator:It glows when the Receiver receive RF signal from Transmitter.
4.LCD Information Display: Show the receiver frequency channel ect.
5.Volume Knob: Adjust the volume output of receiver.
6.Up Function Button: Sets channel data.
7."AF"Audio Level Indicator: Indicate the wireless system audio signal level.
8.Antenna.
9.Power switch of CH5-8:
When switch to "ON" position, it means CH5 to CH8 is on, all channcels from 1 to 8 is on for working.
When switch to "OFF" position, it means CH5 to CH8 is off, only CH1 to CH4 is on for working.
10.XLR Balanced Output Jack: Connect the audio cable from this jack to the input port of amplifier, mixer.
11.1/4" Audio Output Jack: Connect the audio cable from this jack to the input port of amplifier, mixer.(CH1-4 or CH5-8)
12. Power Jack: Connect the AC/DC adapter to receiver.

MICROPHONE-TRANSMITTER FEATURES



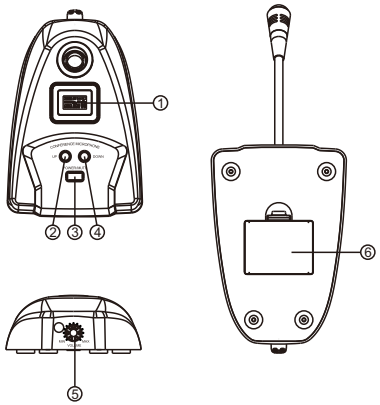
1. Grille: Protects the cartridge and help reducing the breath sounds and wind noise.
2. LCD Information Display: Show the transmitter frequency channel ect.
3.Down Function Button: Sets channel data.
4.Up Function Button: Sets channel data.
5.Power and Audio Mute Switch.
6.Battery Cover: Open it to install the battery.

BODY-PACK TRANSMITTER FEATURES



1. Power and Audio Mute Switch.
2. Antenna: Transmit the RF signal of transmitter.
3. Belt Clip: Attach the transmitter to the belt.
4. Audio Input Jack: it is suitable for lavalier system/headset system.
5. Low Battery Indicator: Red light glows when it is lack of power and should renew the battery.
6. LCD Information Display: Show the transmitter frequency channel ect.
7. Gain Adjusting Volume: Adjust the transmitter audio input gain.
8.State Setting Switch: Set the using state of lavalier system(L)/headset system(H)/guitar system(G)
9.Up Function Button: Sets channel data.
10.Down Function Button: Sets channel data.

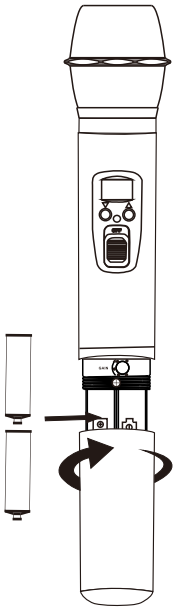
CONFERENCE MICROPHONE FEATURES



1. LCD Information Display: Show the transmitter frequency channel etc.
2. Up Function Button: Sets channel data.
3. Power and Audio Mute Switch.
4. Down Function Button: Sets channel data.
5. Volume Knob: Adjust the volume output of transmitter.
6. Battery Cover: Open it to install the battery.

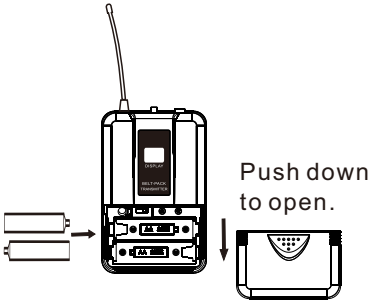
TRANSMITTER BATTERY INSTALLATION

1. Battery Installation of Handheld Microphone: Open the battery cover, Insert the supplied batteries into battery jar in polarity and cover the battery

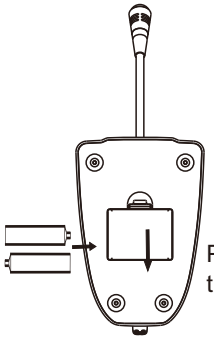


Rotate counterclockwise to open.

2. Battery Installation of Bodypack Transmitter or Conference Microphone: Push open the battery cover, Insert the supplied batteries into battery jar in polarity and close the battery cover.



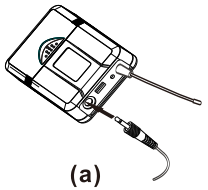
Push down to open.



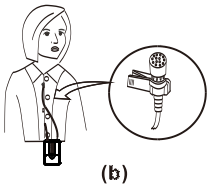
Push down to open.

BODYPACK TRANSMITTER CONNECTION

1. Lavalier Microphone Connection: Connect the connecter of supplied lavalier microphone to the connecting jack of transmitter (shown as below) Set the transmitter work state in wireless lavalier system(L).

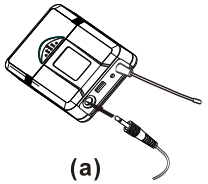


(a)



(b)

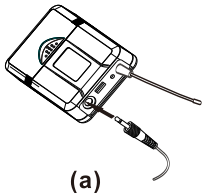
2. Headset Microphone Connection: Connect the connecter of supplied headset microphone to the connecting jack of transmitter(shown as below) Set the transmitter work state in wireless headset system(H).



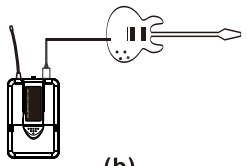
(a)

(b)

3.Guitar Cable Connection: Connect the connecter of supplied guitar cable to the connecting jack of transmitter and the other connecter to guitar(shown as below), set the transmitter work state in wireless guitar system(G).

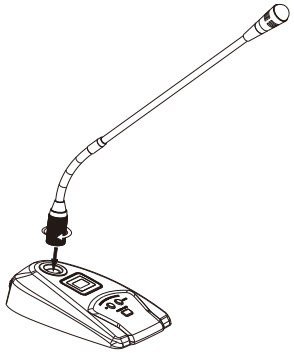


(a)



(b)

CONFERENCE MICROPHONE CONNECTION



1.Insert the microphone unit into the connection hole of the conferencing unit and tighten clockwise.

2.Long press the POWER button to turn on the conference microphone, and the light of microphone will be illuminated.

3.Select the appropriate channel with the UP button and the DOWN button

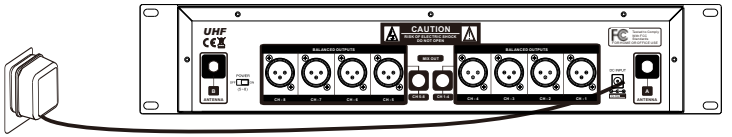
4.Short press POWER button to switch mute state (The light of microphone is off) and normal state.

OPERATING INSTRUCTIONS

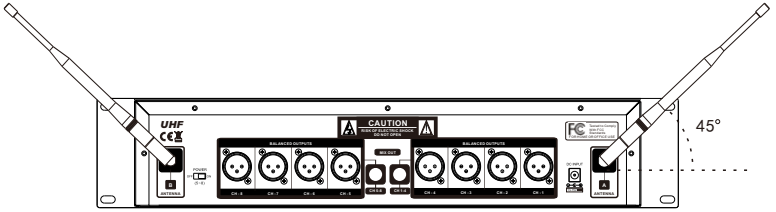
1. Receiver Operation
   Power on receiver, press two "UP" buttons of module 2 and 3 together for 1 second to enter the adjustment, when the LCD displays "UnLOC", it is under "Normal Operation". When the LCD displays "LOC", it is under "Locking Operation".
   a. Normal Operation
      -Press and hold "UP"/"DOWN" button, release the button once the CH number begins to flash
      -When it is flashing, continue to press "UP"/"DOWN" button to increase /decrease the channel orderly, select the desired channel
      -The selected channel will be save automatically without any action for 5 seconds.
      -Please refer to the following list for showing the adjusting channels.
   b. Locking Operation
      -Press and hold "UP"/"DOWN" button, release the button once the CH number begins to flash
      -When it is flashing, continue to press "UP"/"DOWN"button to increase /decrease the channel orderly, select the desired channel
      -Once finish the channel adjustment of any one module, the channels of other seven modules will be changed automatically without any action to select the channels under same group.
      -The channels will be save automatically for using without any action for 5 seconds.
      -Please refer to the following list for showing group information.
2. Transmitter Operation
   Power on transmitter
      -Press and hold "UP"/"DOWN" button, release the button once the CH number begins to flash
      -When it is flashing, continue to press "UP"/"DOWN" button to increase /decrease channel orderly, select the same channel as chosen on receiver.
      -The selected channel will be save automatically for using without any action for 5 seconds.
3. Please pay attention: If hope to use multi-microphones together with better effect (less interference), we suggest to choose 8 frequencies under same group for using.

SYSTEM CONNECTION

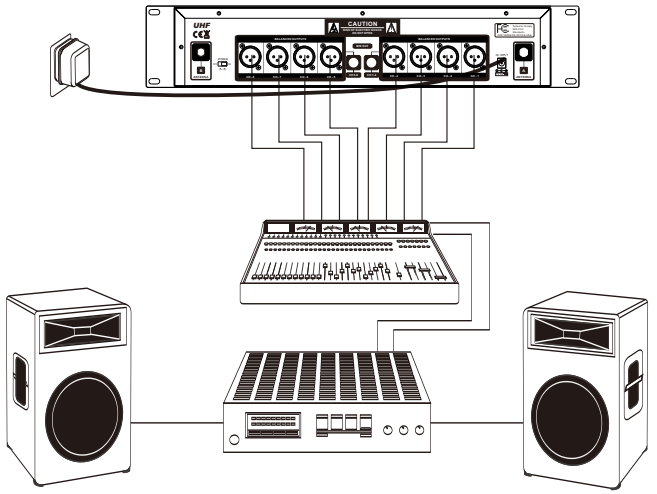
1. Receiver Power Connection: Connect the DC connector of supplied AC/DC adapter into the DC power input of receiver. Plug the AC input connecter into an AC120/60Hz or AC220V/50Hz outlet. (Shown as below)



2. Antenna: Keep the position of antenna at a 45 angle from vertical, .(Shown as below)



3. Audio Connection: Connect the corresponding output of receiver by supplied 1/4" phone jack audio cable or your XLR cable to the input of power amplifier, mixer.



TROUBLE SHOOTING

PROBLEM	INDICATOR STATUS	SOLUTION
No sound.	Red transmitter indicater is not flash	Slide transmitter POWER ON/OFF switch to ON position. Make sure battery is inserted properly, observing battery ("+/-"). If battery is inserted properly, replace with fresh battery
No sound.	Red transmitter indicater is flash	Slide transmitter MUTE/ON switch to ON position
No sound.	Red receiver POWER light off.	Make sure ac adapter is securely plugged into electrical outlet and into dc input connector. Make sure ac electrical outlet works and supplies proper voltage.
No sound.	Receiver signal Indicators A/B lights glowing.	Turn up receiver volume control. Confirm that the output connections from the receiver to the external equipment are secure
No sound.	Receiver signal Indicators A/B lights off. Transmitter and receiver POWER lights glowing	Confirn transmitter's and receiver'sfrequencies match. Move transmitter closer to receiver
Sound level differs from level of a cabled instrument.	Receiver signal Indicators A/B lights glowing.	Adjust transmitter gain level to compessary. Adjust receiver volume as necessary.
Sound level differs with different guitars.	Receiver signal Indicators A/B lights glowing.	Readjust transmitter gain level to compensate for differences in guitar outputs
Distortion level increases gradually	Receiver Signal Indicators A/B lights and transmitter LOW BATTERY light glowing	Replace transmitter battery
Bursts of noise or other audible radio signals present.	Signal Indicators A/B lights on	Identify potential sources of interference (other RF-sources) and tum off, remove or use a wireless system operating on a different frequency.
Momentary loss of sound as transmiitter is moved around performing area.	Receiver signal Indicators A/B lights off when sound is lost	Reposiiteon receiver and perform walk-through test again. If audio dropouts persist, mark "dead" spots and avoid them during performance

SYSTEM SPECIFICATIONS

RF Carrier Frequency Range: Approximately 523.2-597.775MHz (Available frequencies depend on applicable regulations in country where system is used).
Operating Range: 50 m(approximately 164ft)under typical conditions
Audio Frequency Response:100 to 18,000Hz,±3dB
THD: <1%
Mobile stste Range:> 100dB

Operating Temperature Range

-29° to 74 °C (-20° to 165°F)NOTE:Battery characteristics may limit this range.

OPTIONAL ACCESSORIES

1/4" to 1/4" Cable (The Guitarst -UHF only)
1/4" to Miniature Connector
1.8 Meter (6 ft.) Receiver-Mixer Cable

RECEIVER SPECIFICATION

Power Requirements	120V or 230V AC adaptor with 2.1 mm female plug
Power Requirements	13-15V DC nominal, 1000mA
Signal/Noise Ratio	MORE THAN 85dB
Border Upon Channel Rejection	MORE THAN 70dB
Image & Spurious Rejection	MORE THAN 70dB
Audio Output Level	0-±300mV
Receiving Sensitivity	-105dBm
Dimensions	394MM X 205MM X 52MM

HAND-HELD TRANSMITTER SPECIFICATIONS

Power Requirements	1.5V AA battery X 2
Nominal Current Drain	LESS THAN 100mA
Modulation Type	FM
RF Output	MORE THAN 10dBm
Max Deviation	±70KHz
Spurious Emission	MORE THAN 55dB
Dimensions	238MM X 50MM X 50MM 250MM X 51MM X 51MM

BODY-PACK TRANSMITTER SPECIFICATIONS

Power Requirements	1.5V AA battery X 2
Nominal Current Drain	LESS THAN 100mA
Modulation Type	FM
RF Output	MORE THAN 10dBm
Max Deviation	±70KHz
Spurious Emission	MORE THAN 55dB
Dimensions	100MM X 65MM X 30MM

CONFERENCE MICROPHONE SPECIFICATIONS

Power Requirements	1.5V AA battery X 2
Nominal Current Drain	LESS THAN 100mA
Modulation Type	FM
RF Output	MORE THAN 10dBm
Max Deviation	±70KHz
Spurious Emission	MORE THAN 55dB
Dimensions	174MM X113MM X 48.5MM(Φ19.5*410MM)

FCC 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.

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

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device operates on a no-protection, no-interference basis. Should the user seek to obtain protection from other radio services operating in the same TV bands, a radio license is required. For further details, consult Innovation, Science and Economic Development Canada’s document Client Procedures Circular CPC-2-1-28, Voluntary Licensing of License-Exempt Low-Power Radio Apparatus in the TV Bands.