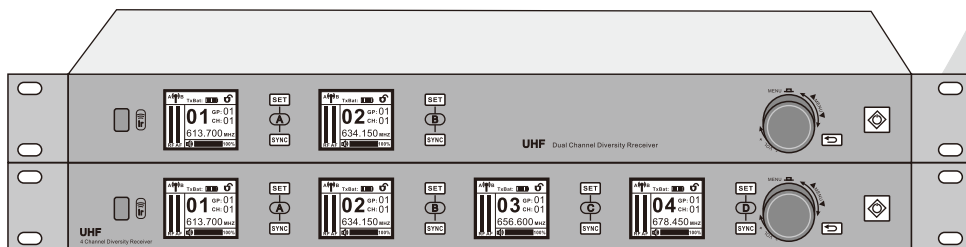


USER'S MANUAL

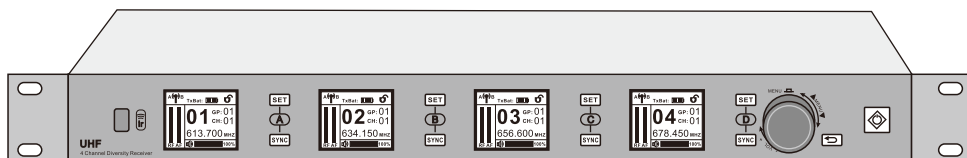


PROFESSIONAL WIRELESS MICROPHONE SYSTEMS

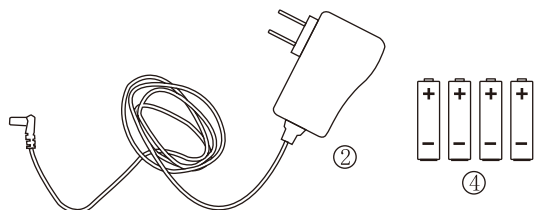
CONTENTS

SYSTEM COMPONENT.....	2
RECEIVER.....	3~5
RECEIVER SETTING.....	6~7
TRANSMITTER.....	8~15
SPECIFICATION.....	16~17

SYSTEM COMPONENT



①

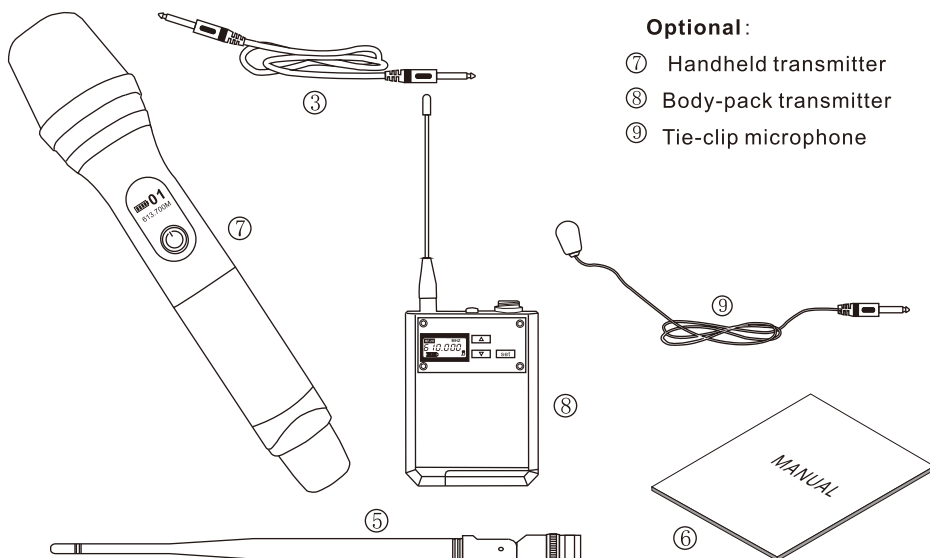


CONSIST OF :

- ① Receiver
- ② Adaptor
- ③ 6.3 Audio cable
- ④ AA Battery
- ⑤ 1/2 Antenna
- ⑥ Manual

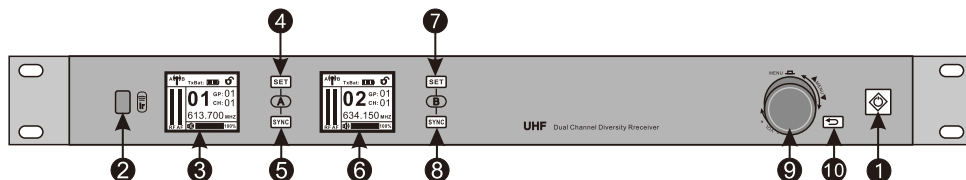
Optional :

- ⑦ Handheld transmitter
- ⑧ Body-pack transmitter
- ⑨ Tie-clip microphone



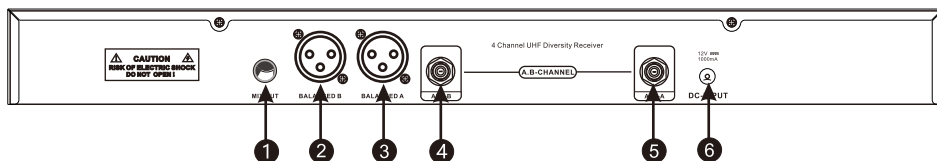
DUAL CHANNEL RECEIVER

Front Panel



- | | | |
|----------------|--------------------|------------------|
| 1 Power | 5 Sync key of CH A | 9 Operation knob |
| 2 IR Port | 6 LCD of CH B | 10 Return key |
| 3 LCD of CH A | 7 Menu of CH B | |
| 4 Menu of CH A | 8 Sync key of CH B | |

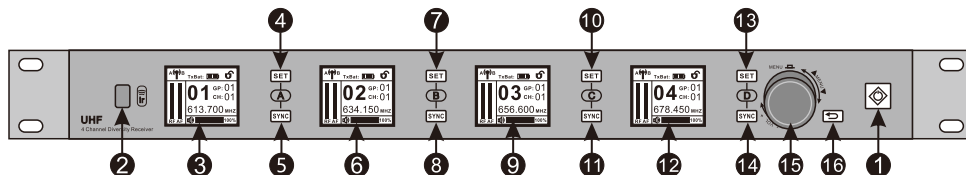
Rear Panel



- | | |
|--------------------|----------------------|
| 1 6.3 Mixed Output | 4 B.BNC Antenna jack |
| 2 CH A XLR Output | 5 A.BNC Antenna jack |
| 3 CH B XLR Output | 6 Power Socket |

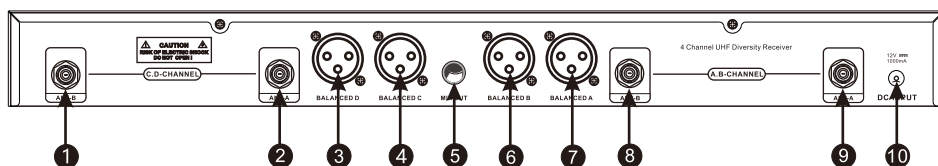
4X CHANNEL RECEIVER

Front Panel



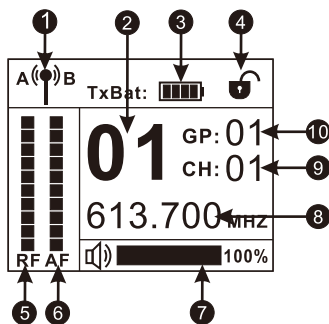
- | | | | |
|----------------|--------------------|---------------------|---------------------|
| 1 Power | 5 Sync key of CH A | 9 LCD of CH C | 13 Menu of CH D |
| 2 IR Port | 6 LCD of CH B | 10 Menu of CH C | 14 Sync key of CH D |
| 3 LCD of CH A | 7 Menu of CH B | 11 Sync key of CH C | 15 Operation knob |
| 4 Menu of CH A | 8 Sync key of CH B | 12 LCD of CH D | 16 Return key |

Rear Panel



- | | | | |
|------------------------|--------------------|------------------------|-----------------|
| 1 CD-CH.B.BNC ANT-Jack | 4 CH C XLR Output | 7 CH A XLR Output | 10 Power Socket |
| 2 CD-CH.A.BNC ANT-Jack | 5 6.3 Mixed Output | 8 AB-CH.B.BNC ANT-Jack | |
| 3 CH D XLR Output | 6 CH B XLR Output | 9 AB-CH.A.BNC ANT-Jack | |

LCD Display



- | | |
|---|-------------------------------|
| ① State of the antenna | ⑥ AF level |
| ② The custom number of the receiver channel | ⑦ Volume level |
| ③ Power status of transmitter battery | ⑧ Frequency |
| ④ Locked status indicator | ⑨ Channel of preset frequency |
| ⑤ RF level | ⑩ Group of preset frequencies |

The receiver displays the battery power of the transmitter in real time

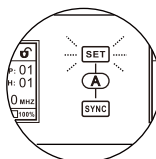
When the transmitter is turned on and the receiver receives the signal normally, the following display will be displayed at the top of the receiver's LCD screen: TxBat: [bar graph]

Real-time response to the battery status of the transmitter. When the battery symbol display as: [empty box] and turns red and flashes, it indicates that the battery needs to be replaced immediately.

RECEIVER SETUP

Activate the setup channel

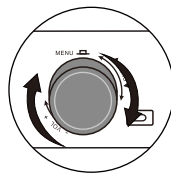
Press the **[SET]** key for the channel you want to set up, the **[SET]** key will light up with a green light (as right picture)



At this point, you can change the Settings for the corresponding channel.

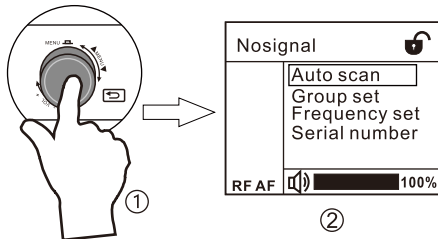
Volume set

To change the volume of the selected channel, turn the left and right operation knob before entering the menu Settings(as right picture)



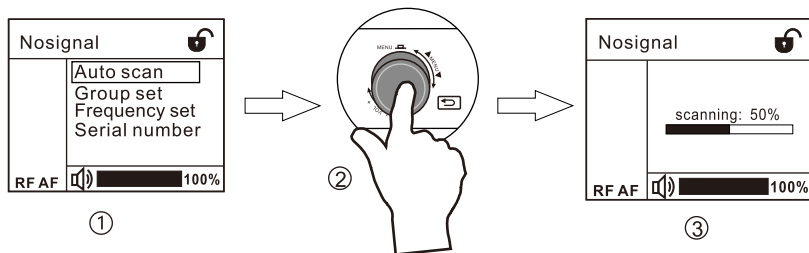
Enter the menu Settings

After selecting the channel you want to set, press the operation knob(Fig①), go into the menu setting(Fig②),
Press the back key to exit.



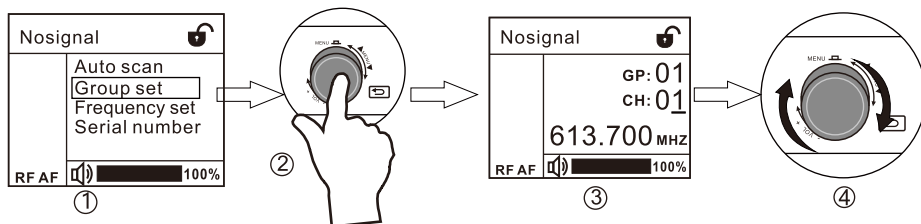
Auto scan

After entering the setting menu, rotate the operation knob to select "Auto scan"(Fig①) and then press the operation knob(Fig②) to start the automatic scanning(Fig③)
Press the back key to exit.



Set the preset frequency

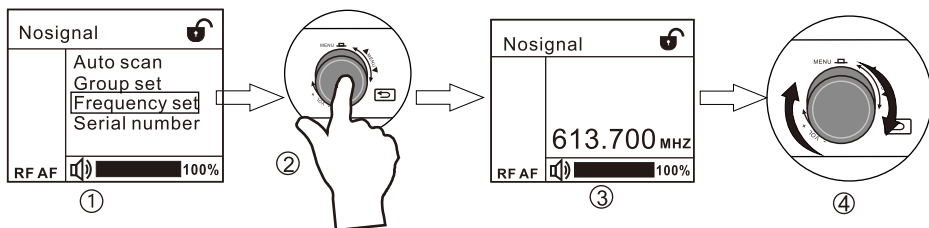
After entering the setting menu, rotate the operation knob to select "Group set"(Fig①) and then press the operation knob(Fig②) into the preset channel or group setting(Fig③), turn the operation knob to change the preset frequency(Fig④)
Press the back key to exit.



Frequency set

After entering the setting menu, rotate the operation knob to select “Frequency set”(Fig①) and then press the operation knob(Fig②) into the frequency seting(Fig③), turn the operation knob to change the frequency(Fig④)

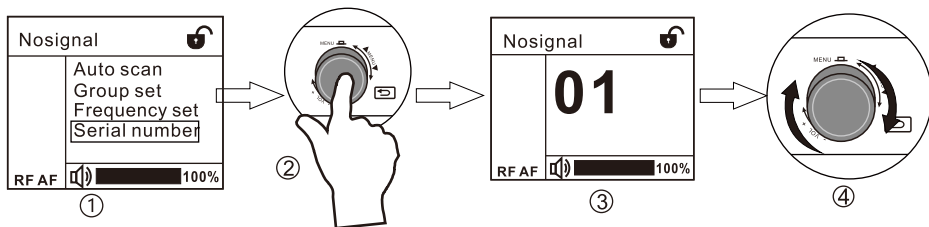
Press the back key to exit.



Serial number setting

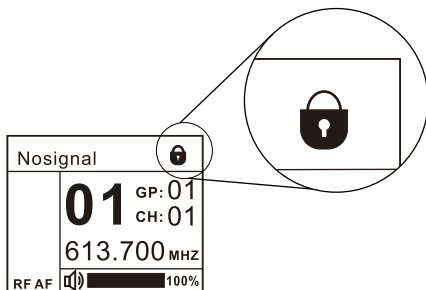
After entering the setting menu, rotate the operation knob to select “Serial number”(Fig①) and then press the operation knob(Fig②) into the serial number seting(Fig③), turn the operation knob to change the serial number(Fig④)

Press the back key to exit.



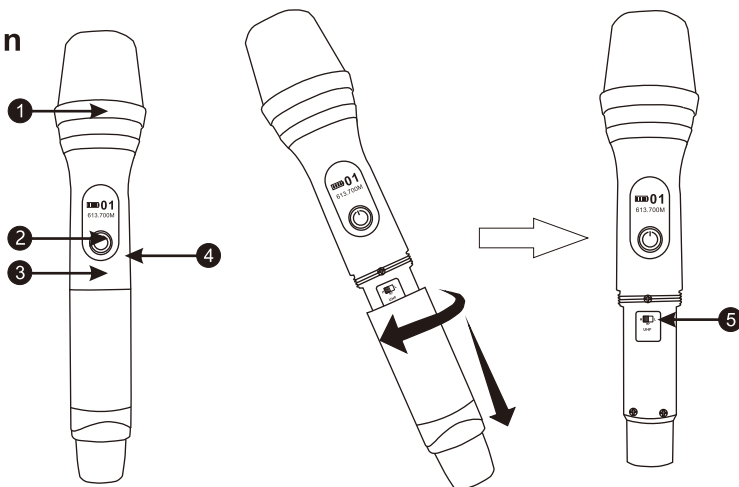
Lock setting

Press and hold , and then press , then, you can set the lock ON  or OFF 



A-type handheld transmitter

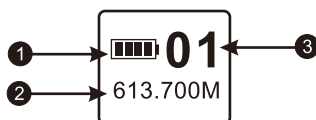
Function



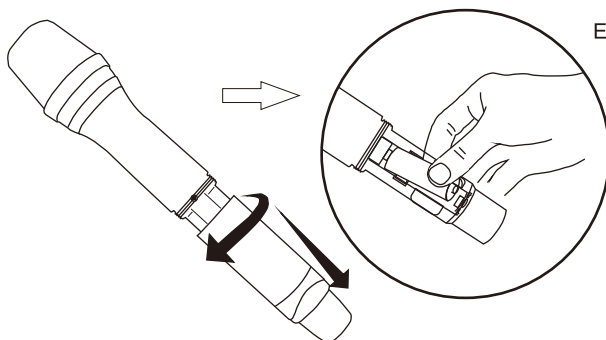
- ① Microphone head
- ② LCD Display
- ③ Power switch
- ④ IR port
- ⑤ RF Power switch (H: 50mW, L: 8mW)

LCD Display

- ① Battery sign
- ② Frequency
- ③ Transmitter serial number



Replace battery

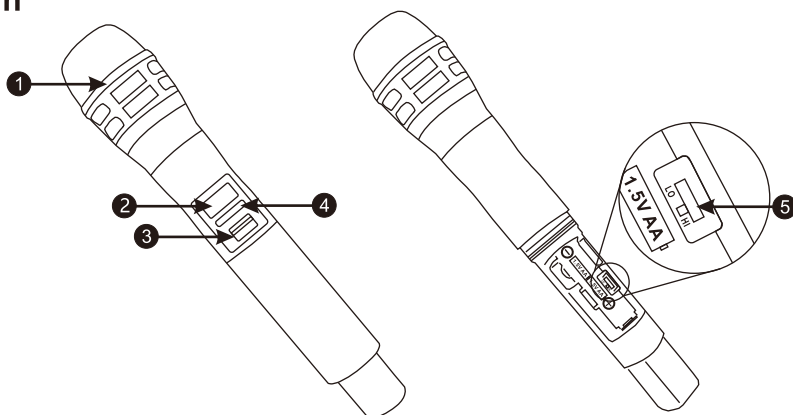


Expected life for an Alkaline battery is approximately 8 hours.

When battery sign shown:  the batteries should be replace immediately, as shown on left.

B-type handheld transmitter

Function



- 1 Microphone head 3 Power switch
- 2 LCD Display 4 IR port
- 5 RF Power switch (H: 30mW, L: 5mW)

LCD Display

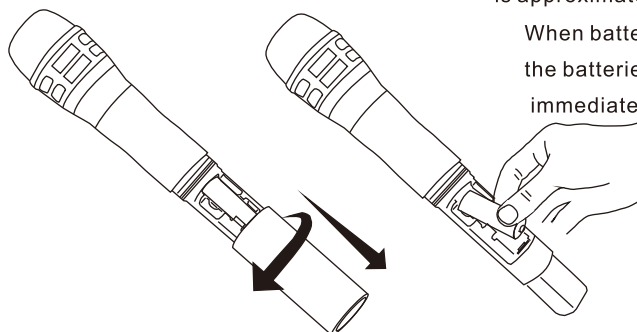
- 1 Frequency
- 2 Battery sign



Replace battery

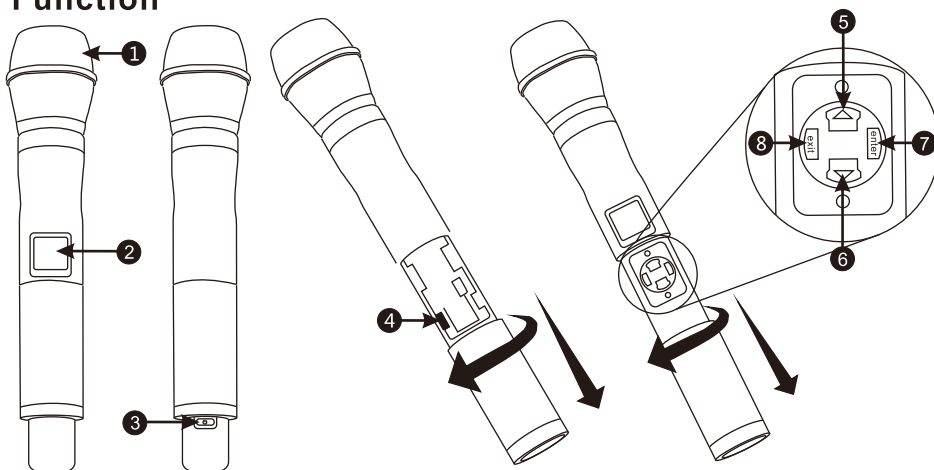
Expected life for an Alkaline battery is approximately 8 hours.

When battery sign shown: 
the batteries should be replaced immediately, as shown on left.



C-type handheld transmitter

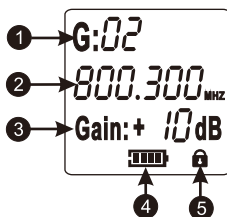
Function



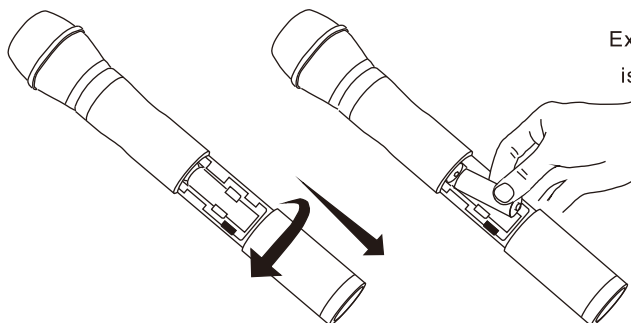
- ① Microphone head
- ② LCD Display
- ③ Power switch
- ④ IR port
- ⑤ Up key
- ⑥ Down key
- ⑦ Menu key
- ⑧ Return key

LCD Display

- ① Frequency group
- ② Frequency
- ③ Gain
- ④ Battery sign
- ⑤ Lock sign



Replace battery



Expected life for an Alkaline battery is approximately 8 hours.

When battery sign shown:  the batteries should be replace immediately, as shown on left.

C-type handheld transmitter seting

Frequency group seting



Press **enter** one time, When the group numbers flash,
press  or  you can change the frequency group.

Frequency seting



Press **enter** twice, When the frequency numbers flash,
press  or  you can change the frequency .

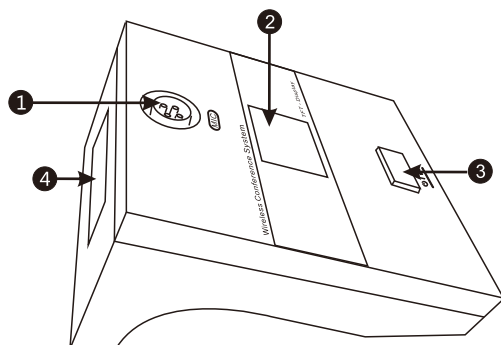
Lock seting



Press and hold **exit** , and then press **enter** , the lock set being
activated. The sign  shows the locking status, it can't do
any operation except power on/off.

Desktop transmitter

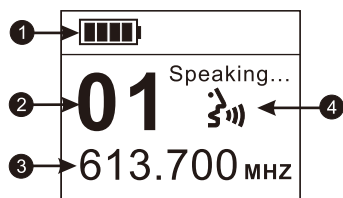
Function



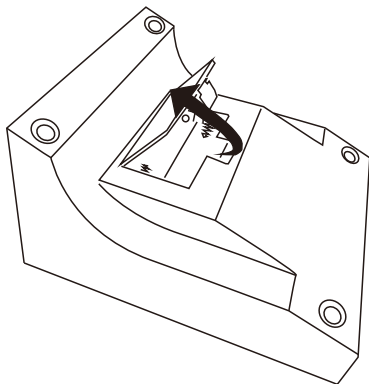
- ① Condenser microphone socket
- ③ Power and mute key
- ② LCD Display
- ④ IR port

LCD Display

- ① Battery sign
- ② Transmitter serial number
- ③ Frequency
- ④ Work status



Replace battery



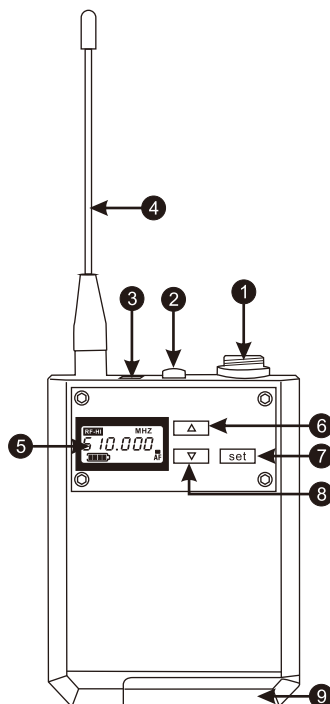
Expected life for an Alkaline battery is approximately 8 hours.

When battery sign shown:  the batteries should be replace immediately, as shown on left.

Body-pack transmitter

Function

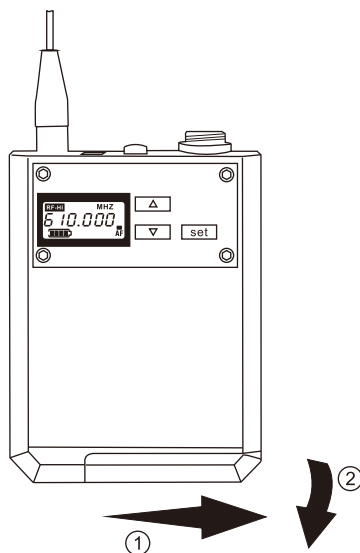
- ① Condenser microphone socket
- ② Power switch
- ③ IR port
- ④ Antenna
- ⑤ LCD Display
- ⑥ Up key
- ⑦ Down key
- ⑧ Menu key
- ⑨ battery box cover



Replace battery

Expected life for an Alkaline battery is approximately 8 hours.

When battery sign shown:  the batteries should be replace immediately, as shown on left.



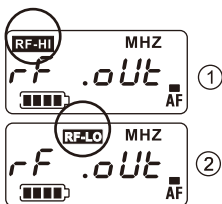
Body-pack transmitter seting

Frequency seting



Press one time, When the frequency numbers flash,
press or you can change the frequency .

RF power seting



Press twice, When the display shown: *rf .out*
press or you can change the RF power

Fig ① : High power (Far range of use)

Fig ② : Low power (Battery life is longer)

Gain seting



Press tree time, As shown in the picture on the left,
press or you can change the input gain .

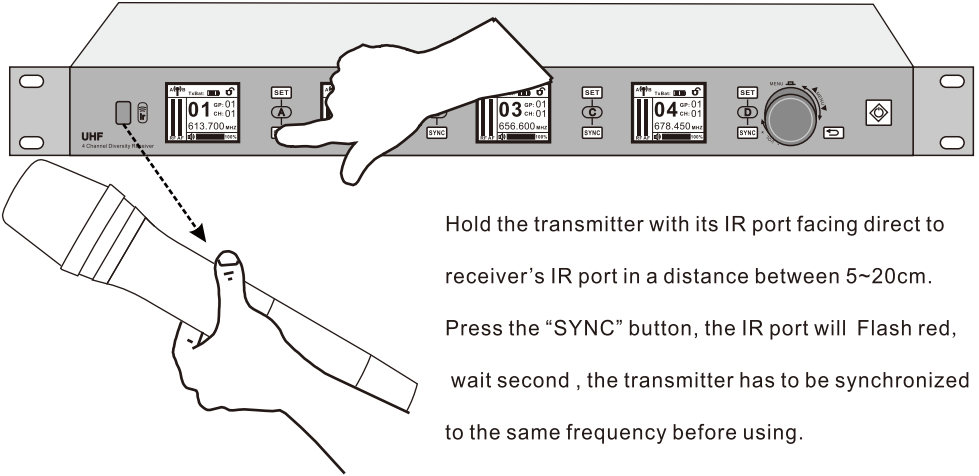
Lock seting



Press and hold , and then press , the lock set being
activated. The sign  shows the locking status, it can't do
any operation except power on/off.

SYSTEM SETTING

IR SYNC



Hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5~20cm.

Press the "SYNC" button, the IR port will Flash red, wait second , the transmitter has to be synchronized to the same frequency before using.

Note: When using multiple systems, only one transmitter IR port should be expose at a time.

SPECIFICATION

DUAL CHANNEL RECEIVER

Frequency Range:500~940MHz
 Receive mode.....True diversity
 Channel:.....800
 Frequency Bandwidth:.....42MHz
 Receive Sensitivity:.....<-97dBm for 30dB S/N Ratio
 Frequency Response:.....60~15000 Hz
 S/N Ratio:>105dB(A)
 T.H.D:.....<0.5%
 Dynamic Range:.....>100dB
 Audio Socket:.....XLR+jack
 Antenna:.....BNC, 50Ω
 Output Level:.....XLR: +8dBu max
 Power:.....12~18 V DC / 2000mA

4x CHANNEL RECEIVER

Frequency Range:500~940MHz
 Receive mode.....True diversity
 Channel:.....1600
 Frequency Bandwidth:.....42MHz
 Receive Sensitivity:.....<-97dBm for 30dB S/N Ratio
 Frequency Response:.....60~15000 Hz
 S/N Ratio:>105dB(A)
 T.H.D:.....<0.5%
 Dynamic Range:.....>100dB
 Audio Socket:.....XLR+jack
 Antenna:.....BNC, 50Ω
 Output Level:.....XLR: +8dBu max
 Power:.....12~18 V DC / 2000mA

TRANSMITTER

Frequency 543.472~588.0MHz
Channel:..... 2
RF Power:.....6 mW
Spurious Emission:.....> 70dBc
Maximum Deviation:.....+48kHz
Frequency Response:.....60~15000 Hz
S/N Ratio:..... 105 dB(A)
T.H.D:.....<0.5 %
Input Voltage:.....mic 0.8 V max
Power:..... 1.5V AAx2
Continuous Using:.....>8 h

FCC Caution:

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.

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

Note: 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 or more 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.

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

Warning:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna(s) must not be co-located or conjunction with any other antenna or transmitter.

Wireless microphone users shall rely on the white space databases in part 15, Subpart H to determine that their intended operating frequencies are available for unlicensed wireless microphone operation at the location where they will be used. Wireless microphone users must register with and check a white space database to determine available channels prior to beginning operation at a given location. A user must re-check the database for available channels if it moves to another location.