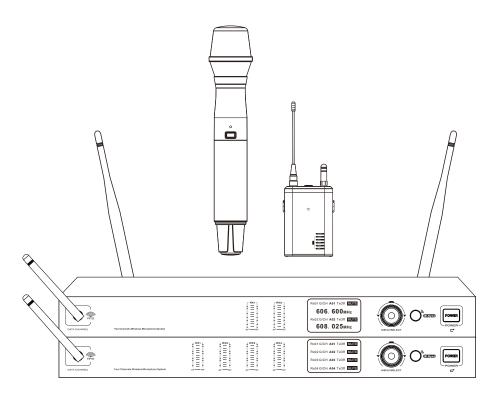
DUAL CHANNELS/FOUR CHANNELS TRUE DIVERSITY WIRELESS SYSTEM



LARGE-SCALE PERFORMANCE FLAGSHIP A SERIES

OPERATION INSTRUCTION



Your Sound

CONTENT

Safe Information2
Product Introduction3
System5
Receiver Diagram7
Transmitter Diagram10
Overall Display12
Receiver Operation Instruction13
Beltpack Transmitter Microphone Installation19
Handheld microphone operation instruction21
Bodypack microphone operation instruction23
Sync/Scan method24
Antenna Distributor (optional)Connection Diagram 26
Suggestion And Tips27
Rack Mount28
Simple Fault Process29
Specification30

SPECIFICATION

System		
Operation range	100 meters	
AF response	20Hz-18KHz	
T.H.D	<1% (@AF1 KHz, RF46 dBu)	
Dynamic range	>100dB	
S/N ratio	>90dB	
Pilot frequency	32.768KHz	

Receiver		
AF output level	Unbalanced+9dBu/Balanced+9dBu	
AF ouput impendance	Unbalanced810 Ohms/ Balanced 240 Ohms	
Sensitivity	-100dBm/30dB sinad	
Imagine rejection	>50dB	
Operation Voltage	15V	
Dimention	215*215*45(mm)	
Weight	0.95kg	

Transmitter(Handheld)			
Capsule	Dynamic		
Output Gain Range	30dB		
RF output power	10mw/30mw optional		
Battery	2*AA		
Operation time	15 hours		
Dimension	36*245(mm)		
Weight	0.28kg		

Transmitter(Bodypack)			
Input	Mini XLR(P3)		
Input impedance	1 Μ Ω		
Output Gain Range	30dB		
RF output power	10mw/30mw optional		
Battery	2*AA		
Operation time	15 hours		
Dimension	110*65*22(mm)		
Weight	0.11kg		

SIMPLE FAULT PROCESS

Problem	Solution	
No signal for receiving and sending	Battery in transmitter used up or the power of receiver has not connected.	
Receiving has no signal of therefore	The frequency is different between receiver and transmitter, or over receiver's range.	
Receiving has RF signal but no AF signal	The squelch is too much.	
The back ground of AF signal has too much noise	The frequency deviation of transmitter adjusts less or receiving output is too low .And may be there have interference frequency.	
AF signal distorted	The frequency deviation of transmitter adjusts more or receiving out put is too high.	
Working distance shorter and signal unstable	Receiver's squelch is too much or the antenna setting of receiver unsuitable. And strong electromagnetic surrounding.	

If your trouble not including in mentioned above, don't open this unit and repair by yourself, please contact the local distributor or factory for servicing. We will try our best to assist your with your needs.

SAFETY GUIDE

- USE-Please don't place the system in which is wet, dire, sunshine, high temperature or with strong electromagnetic. Please unplug the adapter of the receiver and take out the batteries from the transmitter.
- CLEANING-Unplug this unit from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- POWER-Please make sure the adapter is fits for the voltage, and the batteries are put into the transmitter correctly.
- MAINTAIN-Please don't open this unit and maintain by yourself. Any problem please contact the local distributor or factory for servicing we will try our needs.
- ACCESSORIES-In order to keep this unit have a perfect working, please use the accessories which supply or approves by manufacturer.
- GUARANTEE-This unit is not includes modifying, please don't open and modify it by yourself. If not, you will be losing the right of guarantee.

SAFE INFORMATION

- 1.Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5.Do not use this apparatus near water.
- 6.Clean with dry cloth only.
- 7.Do no block any ventilation openings. Installin accordance with the manufacturer's instructions
- 8.Do not install near any hear sources such as: radiators, stoves or other apparatus (including amplifier)that produces heat.
- 9. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and at the point where they exit from the apparatus.
- 10.0nly use attachments/accessories specified by the manufacturer.
- 11. Unplug the apparatus during lightening storms, or when unused for long periods of time.
- 12.Refer all servicing to qualified personnel. Service is required when the apparatus has been damaged in any way ,such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus has been exposed to rain or moisture, does not operated normally, or has been dropped.
- 13. This appliance shall not be exposed to dripping or splashing water and that no subject filed with liquid such as vases shall be placed on the apparatus.
- 14. Caution-to prevent electrical shock, match wide blade plug wide slot fully insert.
- 15.Please keep a good ventilation environment around the entire unit.
- 16.Batteries(battery pack or batteries installed)shall not be exposed to excessive heat such as sunshine, fired or the like.

PRODUCTION INTRODUCTION

Thanks for purchasing our professional models with excellent performance ,hard structure and stable operation. Professional flagship A series wireless system using world class RF&AF dedicated chip, full color TFT display screen. Bodypack transmitter is compatible with Bass 20Hz and large dynamic instrument. We are devoted to the special design with our many patents .

Large-scale Flagship Professional A Series Wireless Microphone

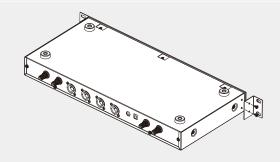
Features:

- 1.Design for large-scale show, lecture and art and sport activities.
- 2.Front-panel adopt full-color TFT display screen.
- 3.Rotary bottom control.
- 4.Pilot frequency squelch technology delete wireless RF interference when transmitter closed.
- 5. Receiver display battery of transmitter.
- 6.Lock function avoid wrong operation.
- 7.Receive signal automatically, eliminate break signal, increased receive distance and stability.
- 8. Auto Scan RF environment of whole frequency range and display by diagram, it can clear to realize the current RF environment to select the available frequency.
- 9.10 level receive sensitivity, adjust SQ for different environment.
- 10.Metal housing with nice design
- 11. Transmitter using with 2*AA batteries
- 12.20 transmitter can be use simultaneously with same frequency range , having the non-interfering frequency can be set and change $\frac{1}{2} \frac{1}{2} \frac$
- 13.RFIS wireless whole time intelligent control management system (RFIS version)
- 14. Optimized PLL synthesizer and microprocessor technology (RFIS version)
- 15.5 pcs can be use simultaneously without interference (normal version), having the non-interfering frequency can be set and change
- 16.IR automatic sync technology, can connecting with transmitter quickly (normal version)
- 17.UHF frequency band, PLL sync technology (normal version)
- 18.Optional handheld and bodypack transmitter all using OLED display screen (normal version)

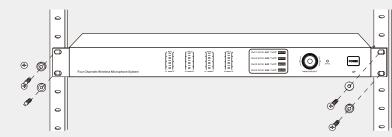
RACK-MOUNT

receiver can be installed into 19 inch flight case for convenient transportation and fixed installation . Install two rack kits in two side of the receiver by screw and ensure the correct position . Put into available space and keep two holes in two side are consist with flight case holes and fixed it by screw . Keep balanced when installing and tighten the screw in order : top left corner \rightarrow bottom right corner \rightarrow top right corner \rightarrow bottom left corner.

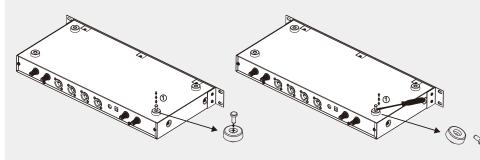
Rack-mount Step 1



Step 2



- 1. Under-chassis installation diagram
- 2.Under-chassis take out diagram



SUGGESTION AND TIPS

In Order To Reach The Best Receiving

Transmitter effective receiving range depend on operation environment and condition. Maybe in 10 meters or 150 meters

When receiving condition is not good, receiver should connecting two separate antenna by the antenna cables.

Receiver and transmitter should be keep at least 5 meters distance which can avoid wireless signal of receiver over modulation.

Receiving antenna should keep at least 50cm distance with steel plate or wall and adjust the antenna with V shape.

Multi- Frequency Operation

Every channel from A to J all including anti-interference pre-set frequency (fixed frequency). Select the available frequency from frequency data (factory frequency range).

Setting frequency between 1 to 14 in frequency range (check page 10).

Each transmitter should keep at least 20 meters distance to avoid transmit interference.

Please using recommended multi-frequency equipment application.

★ RFIS Radio Frequency Real Time Sync Control

- 1.All function can be control in the receiver without close to the receiver once turn on the transmitter.
- 2.Intelligent adjust power automatically, system adjust transmit power automatically according to the environment, ensure stable transmitting distance and reduce electricity interference and battery consumption.
- 3. Frequency sync automatically, press button to make connection after scan free frequency.
- 4.End user can adjust transmitter pickup sensitivity by checking receiver dynamic situation according to different environment.
- 5.User can send out the stop order to transmitter by control receiver, including the function of turn on/off and mute.
- 6.User can send out the temporary rest, close frequency signal and power amplifying circuit order to specific number transmitter by control receiver.

This device have same frequency range for selection and have same pre-set frequency channel system.

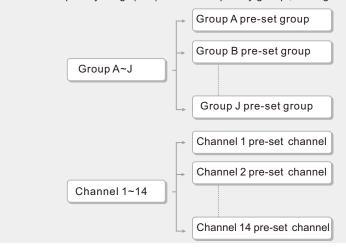
- Transmit circuit can be into standby situation quickly
- Multi-parallel transmit circuit without interference on each other.

Frequency System

Super frequency have 5 different frequency range for AF transmission, each one have 1200 to 2400 flexible frequency, receiver can select the frequency from above range:



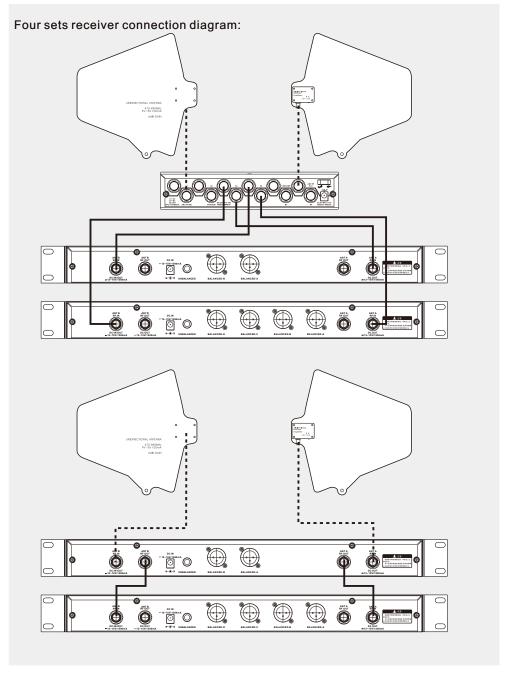
Each frequency range(A-J)have 10 frequency group, each group have 14 channel:



SYSTEM

606. 600mHz A Re02 GIOH A02 TXON (1994) 608. 025MHz В (Receiver) ò (Headset Mic) (Lavalier Mic) (Handheld transmitter) (Antenna) (Beltpack transmitter) (Power adapter) (Power cable) 1111 🗐 🚳 🕒 (Audio cable) (Guitar cable) (Short rack mount) (User manual)

A/B/C/D ANTENNA DISTRIBUTOR CONNECTION DIAGRAM



C/D FREQUENCY GROUP USING METHOD

Pre-Set Group Channel Method

Step 1: Open all the receiver and keep all transmitter closed.

Step2:Select Group in the receiver menu and adjust all the receiver in same group , such as Group A (Pre-set totally group A to J).

Step 3:Select Channel in the receiver menu and adjust each receiver in different channel from CH 1 to 14.

Step 4:After above setting then open the transmitter to finished IR connection one by one.

(Ps: If it can not find the ideal frequency in pre-set channel , please do IR set one by one , check page 14).

Multiple Wireless System Frequency Scan











Step 1: Open all the receiver and keep all transmitter closed.

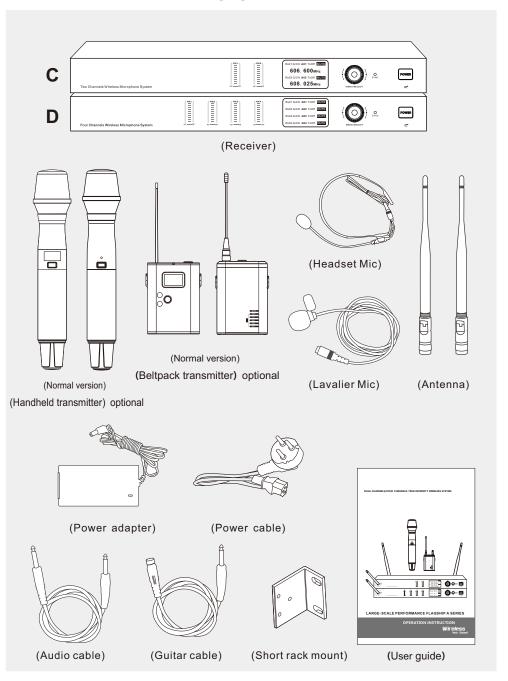
Step 2: Take ① receiver as example, select Scan in the menu to start scanning best frequency.

Step3:Put transmitter RI window close to receiver window(15-30cm) to finished IR connection then press power button back to main interface.

Step5: Finished multiple wireless system scan and setting frequency by following above steps.

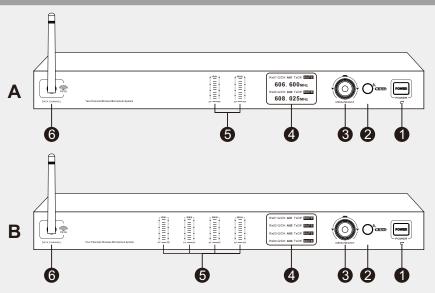
(Ps: Transmitter should be far away from the receiving antennas at least 3 meters and transmitter can not place too closed.)

SYSTEM



RECEIVER DIAGRAM

Receiver Front Panel



1.Power switch

- Turn on/off receiver
- Stop input and return back

2.W.Sync Button

- When select frequency for one channel, short-press the button to sync connection
- Long-press the button to sync connecting four channels together automatically

3. Rotary Function Knob

Press rotary knob



- ▶ Open the menu interface
- ▶ Select the item
- ▶ Store setting and return to main interface
- ▶ Lock
- ▶ Select channel setting interface
- ► Switch to last and next item
- ► Change each item

4. Full Color TFT Display Screen

Display specification

Rotate rotary button

- 5. Channel 1To 2/4 AF And RF Indicator Light
- 6.RF Intelligent Real Time Sync Antennas
 - 2. 4GHz antenna

A/B SYNC METHOD

Receiver And Transmitter Sync Connection Method

Step1: Turn on receiver, keep closing transmitter.

Step2:Select one channel in main interface, press rotary button to confirm selection.

Step 3:

Handheld microphone: For the first operation, long-press the button until flashing, short-press w.sync button in the receiver and will display SYNC means during syncing. Syncing successfully when transmitter keep lighting.

Bodypack:

For fist operation , turn on the transmitter , and quickly slide off to on for three times . Mute light flashing , short-press the w.sync button in the receiver and will display SYNC means during syncing , Syncing successfully when SYNC disappear and RF indicator light keep lighting in the receiver .

For no first time operation, turn on the transmitter, short-press w.sync button in the receiver and will display SYNC means during syncing .yncing successfully when SYNC disappear and RF indicator light keep lighting in the receiver.

Step 4: Others channels can follow above steps to finish connection.

Setting Frequency

Step1:Turn on receiver and all transmitters.

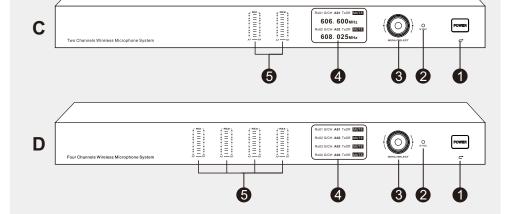
Step2:Long-press W.sync button in the receiver, receiver display sync connecting (such as page 12), after connection, transmitter indicator keep lighting that means sync connecting successfully.

BODYPACK MICROPHONE OPERATION INSTRUCTION

Turn/off Transmitter ▶ Long-press switch button to turn on transmitter display information interface, (Only display NO 01 number after 3 second without operation). ► Long press power switch button again, Transmitter turn off. Mute function MUTE OPEN ▶ Push press button to mute to start mute , main interface have the 638.000 MUTE OPEN ▶ Push press button to mute to cancel mute, the sign disappear. Frequency setting UP **FREQ FREQ** DOWN 638.000мнz 638.025мнг ▶ Short press switch button into frequency. ▶ Press up an down button to select frequency by stepping 25KHz. DOWN Gain setting UP • **GAIN GAIN** DOWN +00dB -10dB ▶ Short press switch button into Gain. ▶ Press up and down button to select 3 level including -10dB , +00dB and 10dB. DOWN ▶ Press set button to confirm selection , display group information in the main interface. Ps: over +10dB will cause signal over adjustment and AF distortion, it can adjust Gain according to the user sound pressure.

RECEIVER DIAGRAM

Receiver Front Panel



1.Power switch

- Turn on/off receiver
- Stop input and return back

2IR Sync Indicator Light

3. Rotary Function Knob

Press rotary knob

- ▶ Open the menu interface
- ► Select the item
- ▶ Store setting and return to main interface
- ▶ Lock

Rotate rotary button

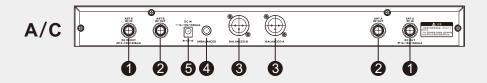
- ► Select channel setting interface
- ► Switch to last and next item
- ► Change each item

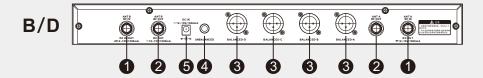
4. Full Color TFT Display Screen

• Display specification

5. Channel 1To 2/4 AF And RF Indicator Light

Receiver Back Panel





1.RF Antenna Input Socket

Apply for antenna A and antenna B

2.RF Cascade Connection

• Transfer RF signal from antenna A and Antenna B to extra receiver

3.AF Balanced Output

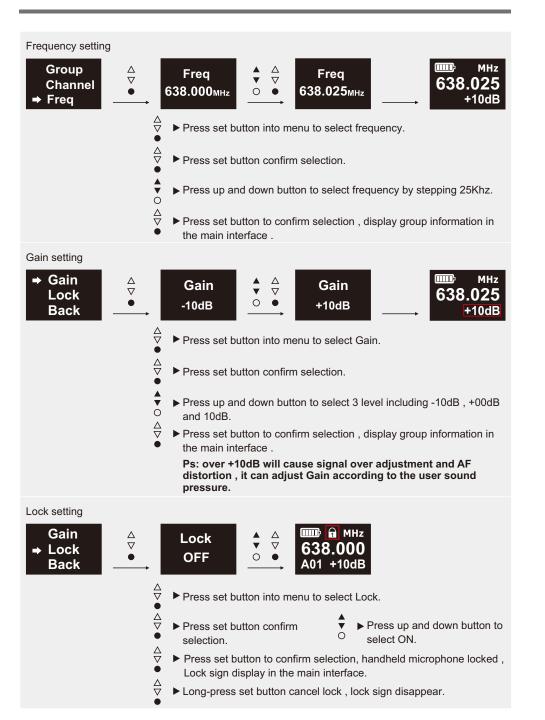
XLR balanced connector

4.AF Mixed Output

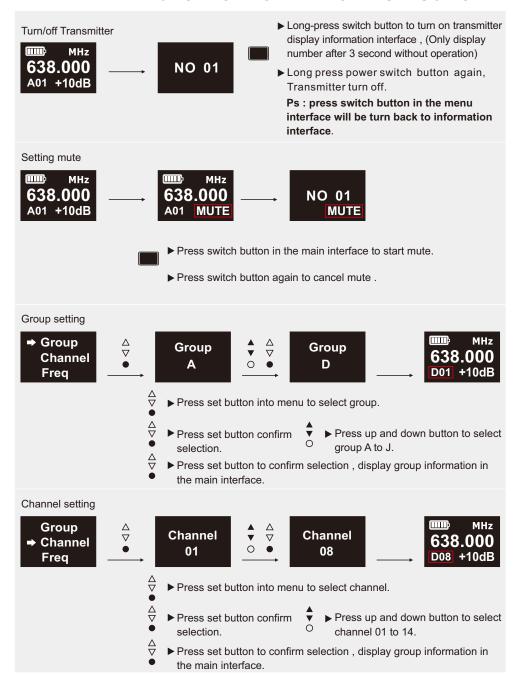
• 1/4"unbalanced connector

5. Power Supply Socket

• Apply to external direct current 12V-15V/1500mA

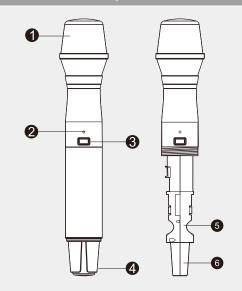


HANDHELD MICROPHONE OPERATION INSTRUCTION



TRANSMITTER DIAGRAM

Handheld Microphone



1.Metal Microphone Grill

2.Indicator Light

- Keep lighting when turn on the mic
- · Light flashing when mute

3. Power/Mute Switch Button

- Long-press turn on/off mic
- · Short press to mute
- · Short press to cancel mute
- Long press 3 seconds into connecting when mic is turn off

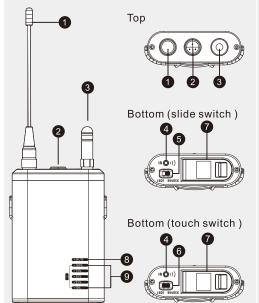
4.Mic Tube

(Hold the mic far away from bottom of mic tube)

5.Battery Compartment

- Put 1. 5V*2 batteries
- 6.Transmitter Antennas

Bodypack Transmitter



1.Transmit antenna

2.AF input connector

3.2.4G antenna

4.IR indicator light

Receive IR signal from receiver

5.power/Sync switch (slide switch)

Slide the switch from off to on for three times when turn on the transmitter, then syncing

6.power/Sync switch (touch switch)

Slide the switch from off to on for three times when turn on the transmitter, then syncing

7.Battery apartment

Put into 2 pcs 1.5V battery

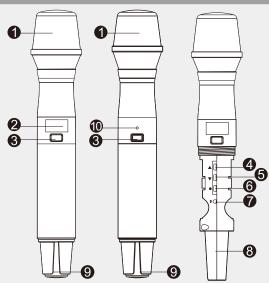
8.Mute indicator light

9. Volume indicator light

Display current volume

TRANSMITTER DIAGRAM

Handheld Microphone (Normal version)



1.Metal Microphone Grill

2.OLED Display Screen

Display clearly

3.Power/Return/Mute Switch Button

- Turn on/off power supply
- Return main interface
- Mute/unmute

4.Up Button

• Up to select menu

5. Down Button

- Down to select menu
- 6.Set Button
- Confirm selection
- 7.IR Set
- Receive IR signal from receiver
- 8. Transmitter Antenna

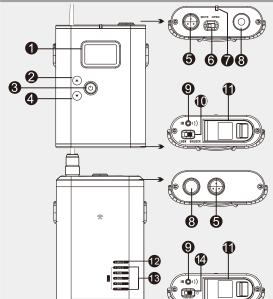
9.Mic Tube

(hold the mic far away from bottom of mic tube)

10.Indicator Light

- Keep lighting when turn on the mic
- Light flashing when mute

Bodypack Transmitter (Normal version)



1.OLED Display Screen

Display clearly

2.Up Button

- Up to select menu
- 3.Power / SET button
- 4.Down Button
- Down to select menu
- **5.AF Output Connector**

6.Mute Switch

• Push mute switch to mute or unmute

7. Power Indicator Light

Display battery volume

8.Antenna

9.IR set Indicator Light

• Receive IR signal from receiver

10.Lock Switch

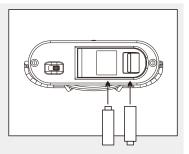
- It is used to lock or unlock bodypack
- Insert two standard AA batteries here

11.Battery Compartment

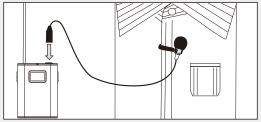
- 12. Mute indicator light
- 13. Volume indicator light
- Display current volume
- 14.Power

BELTPACK TRANSMITTER MICROPHONE INSTALLATION

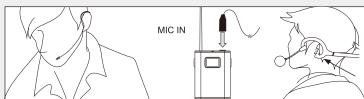
1. Slide down the cover then put into the two pieces 1.5V battery if LED lights up, it means install correct and power on.



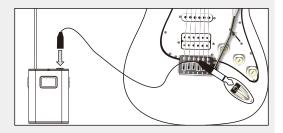
2.Lavalier Microphone Clamping the microphone to tie or collar, then connecting the microphone plug to beltpack output socket and finished installation.



3. Headset Microphone Connecting the microphone plug to beltpack output socket and finish installation.



4. Guitar Cable Connection Plug the guitar cable into bodypack, plug the other side of cable into pickup connector.

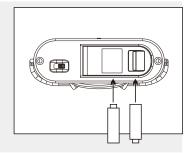


♠ Be Careful To Damage Hearing And Equipment!

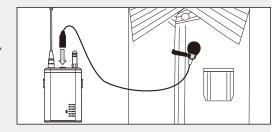
Receiver have a big noise when plug and pull out the the connecting cable during install bodypack. Turn down volume before installation. High noise will damage hearing and overload loudspeaker.

BELTPACK TRANSMITTER MICROPHONE INSTALLATION

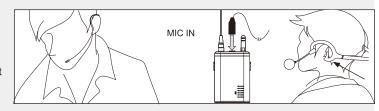
1.Slide down the cover then put into the two pieces1.5V battery if LED lights up, it means install correct and power on.



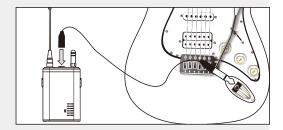
2.Lavalier Microphone
Clamping the microphone to tie or collar,
then connecting the microphone plug to
beltpack output socket and finished
installation.



3.Headset Microphone Connecting the microphone plug to beltpack output socket and finish installation.



4.Guitar Cable Connection
Plug the guitar cable into bodypack,
plug the other side of cable into pickup
connector.



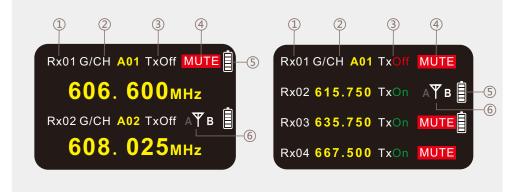


Be Careful To Damage Hearing And Equipment!

Receiver have a big noise when plug and pull out the the connecting cable during install bodypack. Turn down volume before installation. High noise will damage hearing and overload loudspeaker.

OVERALL DISPLAY

Display receiver specification and the important information of receiver and transmitter operation status.



Display	RX/TX	Explanation
1.Channel	Receiver	Pre-set channel number RX01-RX04
2.Group	Receiver	Pre-set group number
3. Transmitter status	Transmitter	Display transmitter turn on/off
4.Mute	Receiver/transmitter	AF signal mute
5.Battery	Transmitter	Display battery volume
6.Antenna	Receiver	Antenna input A/B be activated

RX OPERATION INSTRUCTION

All of the following operations in four channels, for example

Turn on/off receiver



- ▶ Long press power switch button, receiver display information.
 - ▶ Long press power switch button again, receiver turn off.

Group setting

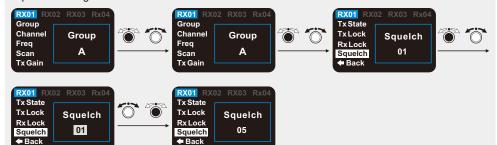


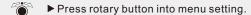


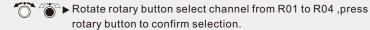
- Press rotary button into menu interface.
- ► Rotate rotary button to select channel from R01 to R04.
- ► Press rotary button to confirm(select Rx01 to be sample).
- ► Rotate rotary button to group.
- ► Press rotary button to select group.
- ► Rotate rotary button, select group A to J.
- ► Press button confirm and store.
- Press POWER button return.

(Sync connecting again when change frequency each time)

Squelch setting







Rotate rotary button select Squelch, press rotary button to confirm selection, then number flashing.

Rotate rotary button select from 01 to 10 with 1dB stepping, press rotary button to confirm selection.

When transmitter closed or transmitting power not high enough, Squelch can restrain noise. Squelch setting should be ensure the receiver don't have a big noise when turn off transmitter.

▶ When receiving environment is bad, higher squelch setting will be reduce receiving range.

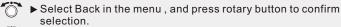
♠ Be Careful To Damage Hearing And Equipment!

Closed squelch or setting squelch too low will be causing big noise. High noise will damage hearing and overload loudspeaker.

- ▶Ensure squelch keep turning on.
- ▶Ensure AF output level adjust to be lowest before setting squelch.
- Not allow to change squelch during transfer.

Return

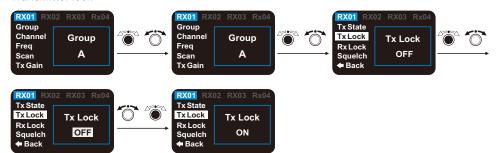




▶ Return back the main interface after confirm the selection.

Ps: Return back to main interface automatically when stop operation after 15 seconds.

Transmitter lock



- ► Press rotary button into menu setting.
- ► Rotate rotary button select from RX01 to RX04, press rotary button to confirm selection.
- Rotate rotary button to select TX Lock, press rotary button to confirm selection ,then Lock flashing.
- Notate rotary button to select on or off, press rotary button to confirm selection.

