



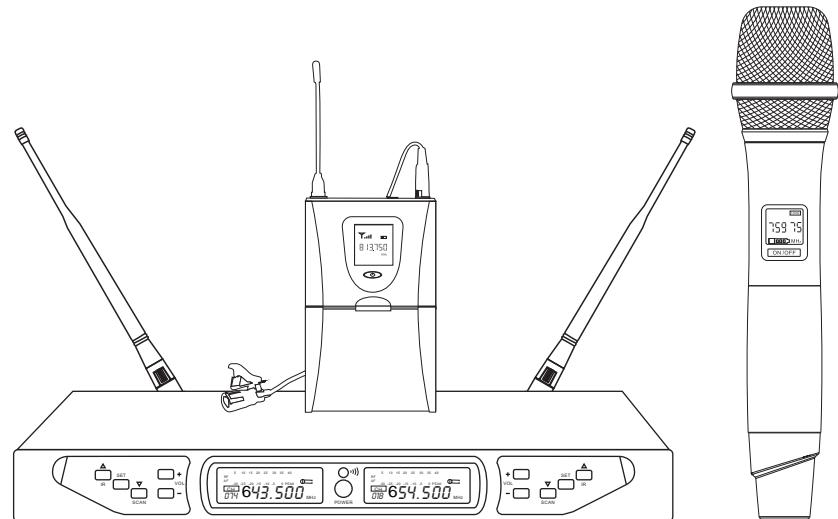
Note:

As the product is constantly improving, there won't be any further notice for the modification. As product may not be as picture

# ACT Series

Diversity Receiver System  
Professional Wireless Microphone

## USER GUIDE



### Characteristic:

- >The best solution for Home KTV and professional performance.
- >Automatic frequency scanning ,Automatic transmitter setup.
- >Diversity operation for increased reliability.
- > RF power,internal channel selector,battery power status indicator.
- >Intellectualized and Multifunctional ,Humanized receiver.



ACT wireless

Created for active musicians and presenters who also manage their own sound, It improves your performance and simplifies your setup.

Innovations such as automatic frequency selection and automatic transmitter setup make wireless quicker and completely worry free. Its systems now feature Shure's patented Audio Reference Companding, Delivering the crystal clear sound quality that pro audio engineers trust.

**NOTE:** please store this instruction in a safe place after reading as a reference in the future !

## Table of contents

## 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.

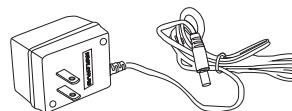
Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## SERVICE

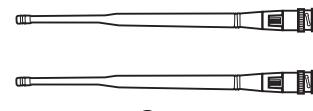
## SYSTEM Components

Problem	Indicator State	Settlement
No sound	Signal indicator is not lighted.	Push the power switch to the "ON" position, check the battery inserting properly; ensure the polarity right; If it still not work, now should replace a new battery.
No sound	Digital display is not lighted.	To check and ensure that AC cable plugs into the jack and input jack of receiver with its two end; check and ensure that the power jack works well and the power voltage is proper.
No sound	AF signal indicator is not lighted	And signal indicator flickers following the sound Sound peak indicator flickers when high frequency input; turn on the volume controller to higher,check and ensure that it is connected properly with the receiver output connector and outer equipment.
No sound	RF signal indicator is not lighted	To check and ensure that the transmitter & receiver match with frequency; away the two antennas,pull them be angle in 45° to level; antennas is away from any metal; take away the things between transmitter & receiver; the man who holding microphone can able to see the antennas.
One indicator is lighted other one isn't.	One MIC works well, other one doesn't work.	To check the trouble microphone, ensure that the channel choice is same as the good one.
Have noise and the radio noise.	Signal indicator is lighted.	To check that jamming (other RF signal source),and close them or take away them, or change into other different frequency.
TH.D. rise higher.	Signal indicator & low batter indicator are lighted.	Replace new batter.

## All systems include:



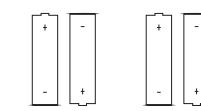
① Adaptor×1



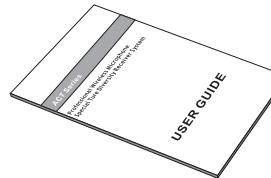
④ Receiver Antenna×2



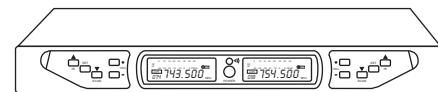
② Audio Cable×1



⑤ Alkaline AA Battery×2



③ User Guide×1



⑥ Receiver×1

## The Receiver can be combined with the following optional components of ACT Series

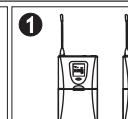
## RECEIVER



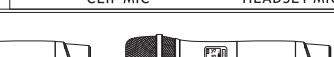
① Two bodypack transmitters

② Two handheld transmitters

③ One handheld transmitter and One bodypack transmitter



The BODYPACK Transmitter can be combined with the following optional components



The BODYPACK Transmitter can be combined with the following optional components



# SYSTEM FEATURE

## FRONT PANEL



### 1. Power

Press On or Off

### 2. Volume Controller

Adjust the status of volume for each channel

### 3. SET button

Auto transmitter setup

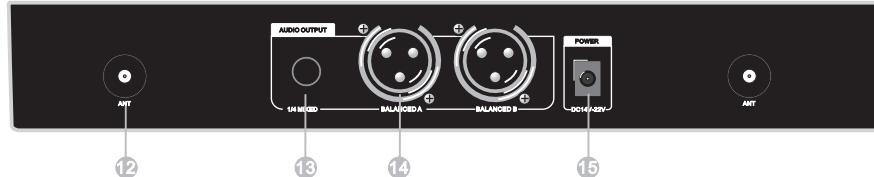
### 4. SCAN/LOCK /▼

Auto frequency selection or hold 2 second for manually selection

### 5. IR Port /▲

Transfer the data between Receiver and Transmitter

## REAR PANEL



### 6. Antenna

### 7. 1/4 Mixed Audio Output

Channel A & Channel B 6.3mm Jack connector Unbalanced Audio Output

### 8. Balanced Audio Output

Channel A or Channel B XLR connector Balanced Audio Output

### 9. Power Supply

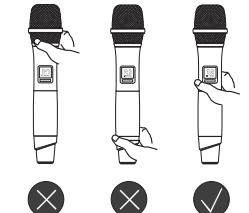
Removable adapter with DC14-22V 500mA

## NOTE

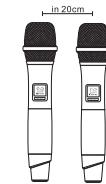
### Please read the following notes carefully

- The two microphone in one receiver should be set the same channels.
- The LCD is in low power if the LCD indicator is flashing , pleas replace a new battery as soon as possible
- The receiver should work with antenna , otherwise ,that will influence microphone's working distance and life.
- Don't press the button when the microphone working to avoid to change the channel and not work normally.
- The receiver has DC power supply , but note : please use correct adapter , otherwise that's will damage the receiver hard .(PIC 4)
- When use multi receivers , please set them in different channel to avoid disturbing by same channel.
- Please pull out the power plug if no use in long time . avoid the battery liquids damage the inside element.
- Use the microphone correctly , so that you are able to have a better sound quality (PIC 1)
- Don't use each microphone too close , otherwise , it will probably disturb each other to work well (PIC 2)
- Keep the receiver away from the wall and earth (PIC 3)

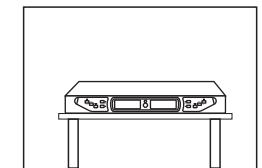
PIC 1 Use the microphone correctly



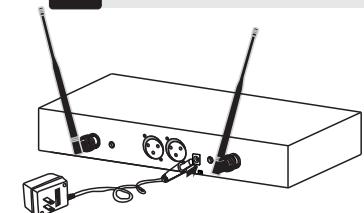
PIC 2 It is not allowed to use in 20cm



PIC 3 Keep away from the wall and earth



PIC4 Use the correct adaptor



220AC DC12-18V 500mA

# SYSTEM TECHNOLOGY

## 1.The whole system

Channel: 200 channels

Frequency Range: 615.000 MHz to 664.750 MHz

Band width: <200kHz

Frequency response: 35Hz-20kHz

Dynamic range: >100dB

T.H.D.: <0.5%

S/N ratio: >90dB

Valid distance: 50m

## 2.Transmitter

Transmission Power: 10.5 dBm

Oscillation mode: PLL

Image controlment: >50 dB

Adjustable frequency deviation: <75 kHz

Channel switch mode: coding switch

Power: DC 2.4-3V

## 3.Receiver

Sensitivity: 2.0uV

Oscillation mode: PLL

S/N Ration: >90dB

Distortion: <0.5%

Output: 2\*Balance and 1\*6, 35mm Mixed

Power: DC 12-18V

# SYSTEM FEATURE



LCD DISPLAY

### 1. Antenna Status

Indicates RF activity , Antenna is available.

### 2. 信号强度 电池 电源状态 显示

When receiver receive the signal, the signal indication will move left and right. Display the battery status and volume of transmitter.

### 3. Frequency Status

Display the current frequency in MHz.

### 4. Channel Status

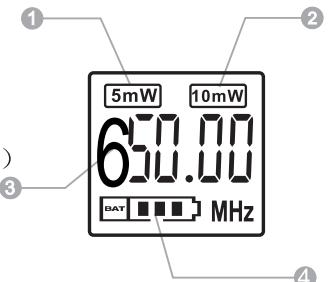
Display the current frequency in Channel.

### 5. AF Status

Display the current Audio frequency Level.

### 6. RF status

Display the current Radio frequency Level.



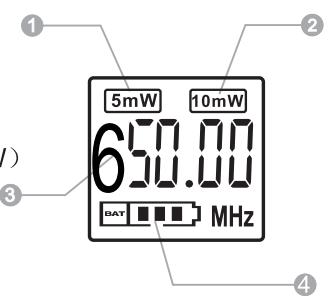
### BODY-PACK LCD DISPLAY

1. Low Transmission Power Status (5mW)

2. High Transmission Power Status (10mW)

3. Frequency Display (MHz units)

4. Battery Status Display



### HANDHELD LCD DISPLAY

1. Low Transmission Power Status (5mW)

2. High Transmission Power Status (10mW)

3. Frequency Display (MHz units)

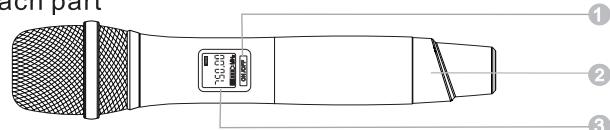
4. Battery Status Display

# SYSTEM FEATURE

## Transmitter

Name and function of each part

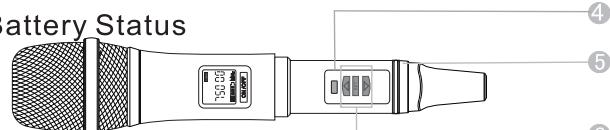
1. Power  
press on or off



2. Antenna

3. LCD Display

Display Frequency Battery Status



4.IR Port

5. Battery Tray

6. Transmission Power Level and Frequency Setting

LCD panel instructions

7. Currently Using Power



8. Currently Using Frequency

9. Battery Status Display

10.LCD Display of Bodypack transmitter

11.POWER Button

12.IR Port

13.UP Selection Button

14.DOWN Selection Button

15.LED indicator

LED indicate work on or off.

16.ANTENNA JACK

17.GT OR VT Mode

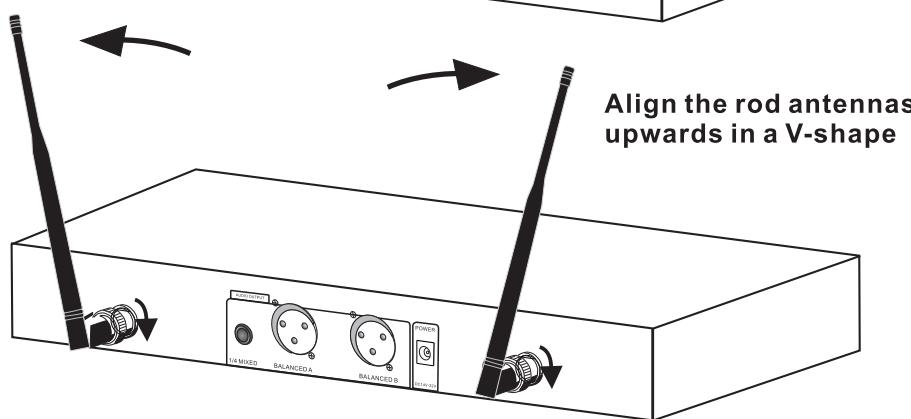
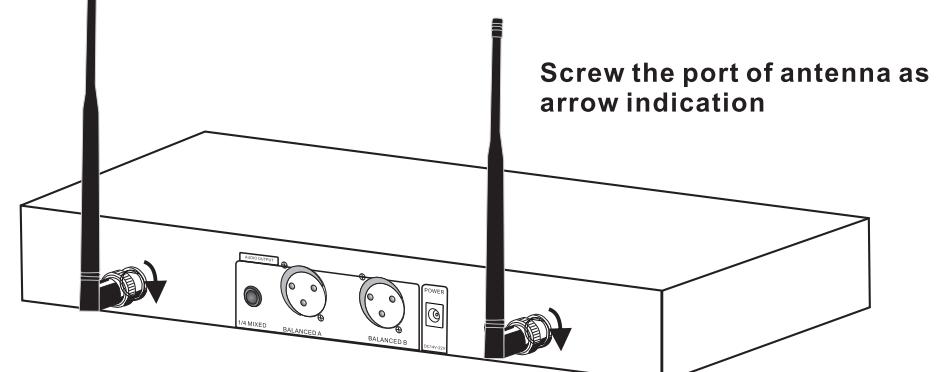
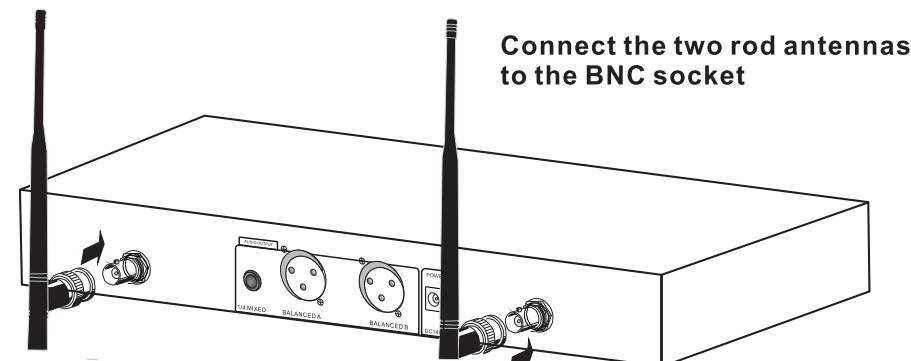
Guitar or Normal Mode level.

18.XLR Three Pin connector

Connect to Lapel ,headset or guitar .

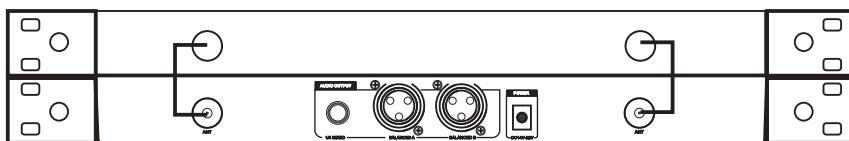
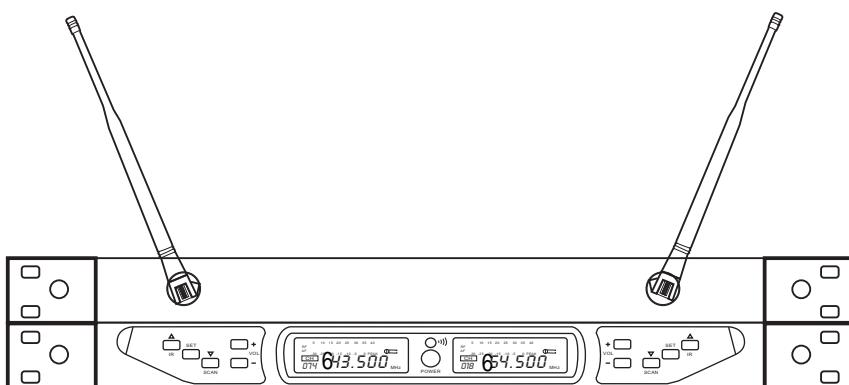
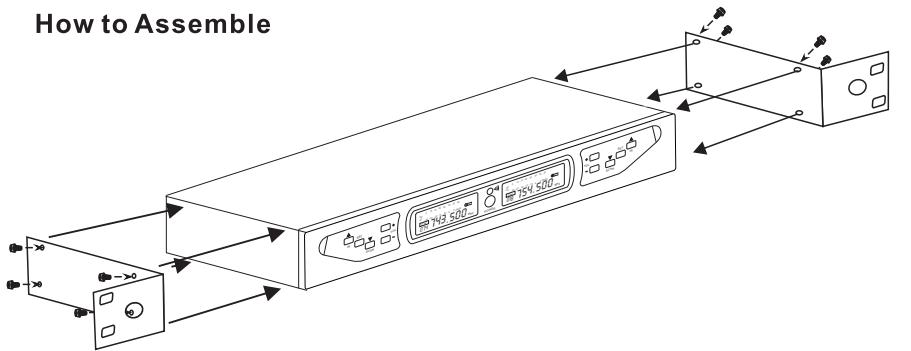


## Antenna Mounting

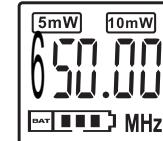


# Receiver Rack-Mounting

## How to Assemble



# TRANSMITTER OPERATION



## 1. Power

Keeping press "POWER" in 6 seconds to turn on transmitter. Keeping press "POWER" to turn off transmitter.

## 2. Select frequency

The transmitter use infrared data transfer to setup the frequency , no button operation.

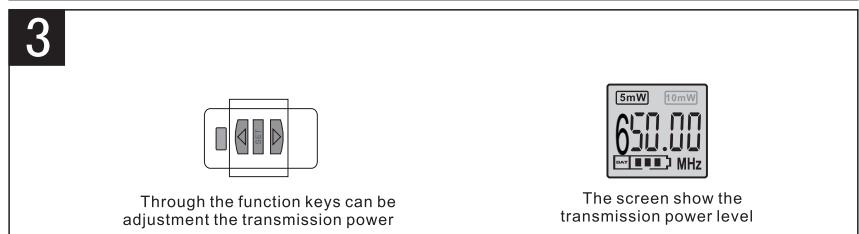
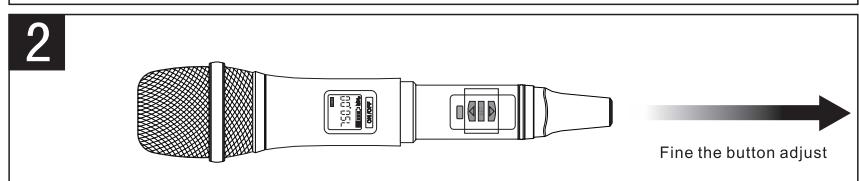
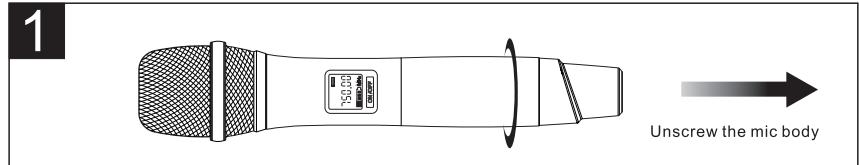
## 3. Transmission power selection

Press "SET"key three times to enter transmission power selection menu, the screen show "5mW"or "10mW"which is flashing , press "Up"or"DW"to select transmission power.

## 4. When power supply is low-voltage,it will be off automatically

When the battery status show empty , icon of power display is flashing , and the transmitter will be off after 60 seconds.

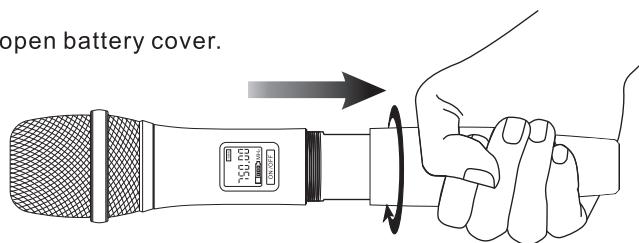
## HOW TO SELECT THE TRANSMISSION POWER



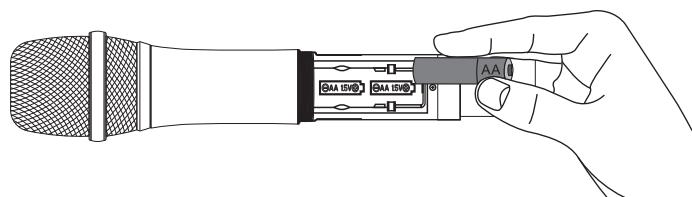
# BATTERY

## HANDHELD TRANSMITTER INSERT AND REPLACE

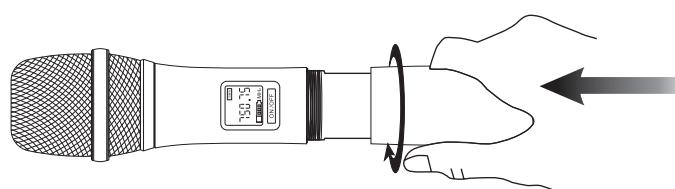
1. Twist open battery cover.



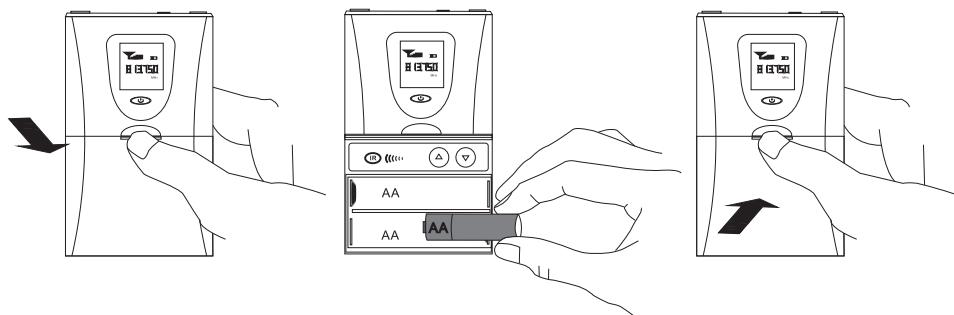
2. Make sure that you insert the battery at the right electric poles , as shown in picture.



3. Twist back battery cover , as shown in picture.



## BODYPACK TRANSMITTER



# SIGNAL SYSTEM SETUP

## 1. Automatic Frequency Selection

This scans for a clear channel and sets the receiver to that channel.

- **LCD screen** display current channels



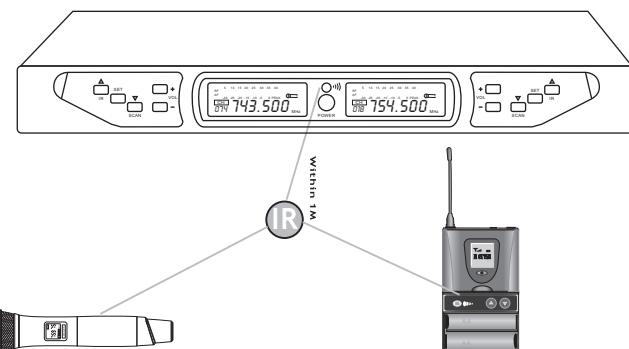
- Press “**scan**” button to scan for a clear channel



- System scan for clearest available channel



## 2. Automatic Transmitter setup



### Auto Transmitter Setup

Turn On the transmitter.

With the transmitter IR port exposed to the receiver's, Hold the ACT button until the transmitter's frequency is the same as Receiver's . And then the system is ready for use .