

**Professional** Dual channel  
**Wireless System**  
for **Vocalist and Music Instruments**

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Thank you for choosing our wireless system, In order to obtain the best efficiency from the system, you are recommended to read this instruction manual carefully.

# ***Receiver Features***

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## **Front Panel/Back Panel**

### **1.Power switch**

The LCD display light up when receiver turns on

### **2.LCD display**

The high resolution LCD display shows the group, channel, frequency, antenna status, AF & RF level and IR set.

### **3.IR (Infrared) port**

Send IR signal to transmitter for synchronization

### **4.UP button**

Adjust the frequency, channel, group, RF power and auto-scan incrementally

### **5.MENU button**

Menu control to set group, channel, frequency, RF power, auto-scan and IR Sync

### **6.DOWN button**

Adjust the frequency, channel, group, RF power and auto-scan degressively

### **7.Volume control**

Adjust the volume level, volume knob encircled by blue light

### **8.Power supply jack (DC12-18V / 600mA)**

Connecting the power supply unit

### **9.6.35mm (1/4") unbalanced output jack**

Connect the unbalanced input, e.g. of mixer or amplifier

### **10.Balanced XLR output jack**

Connect the unbalanced input, e.g. of mixer or amplifier

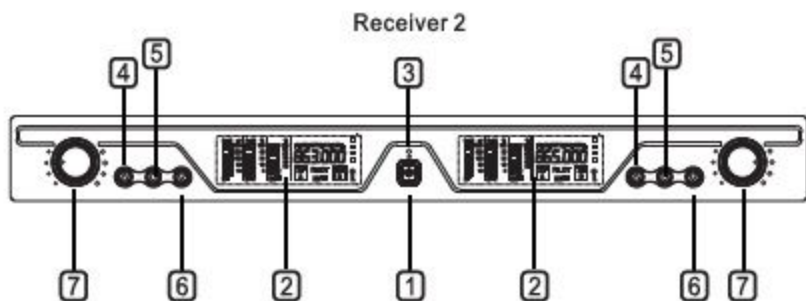
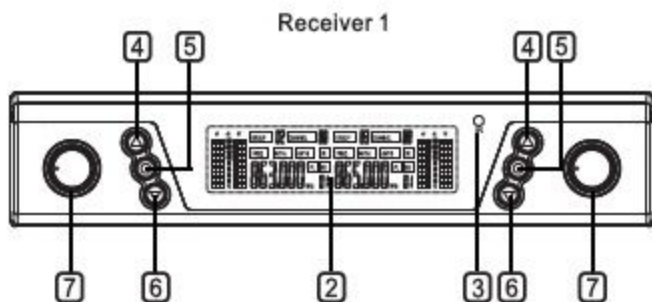
### **11.Antennas sockets**

Connect the high gain antennas

### **12.IR sync button**

## Receiver Features

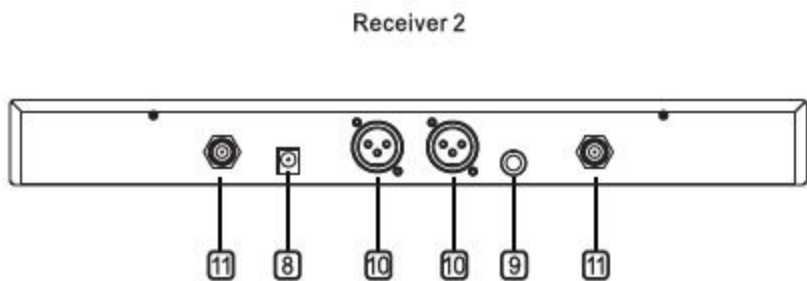
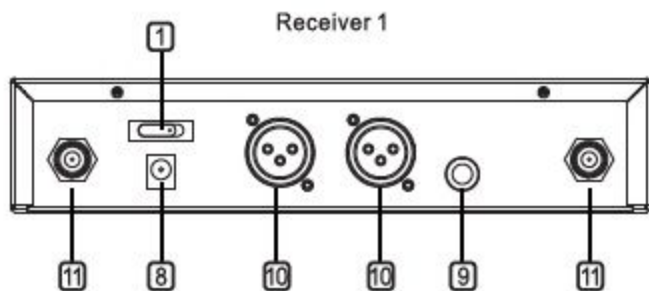
### Front Panel



## Receiver Features

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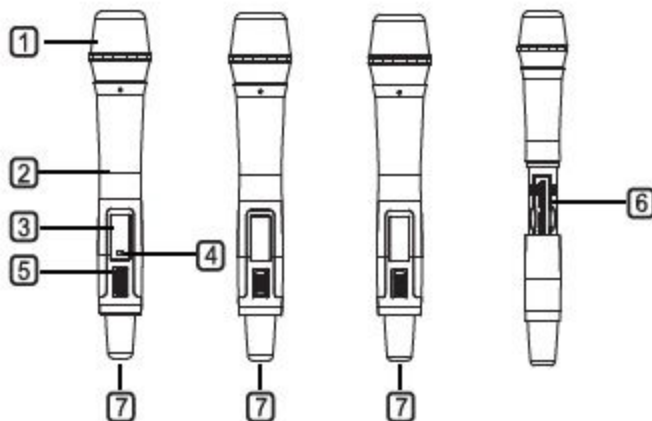
### Back Panel



# Transmitter Features

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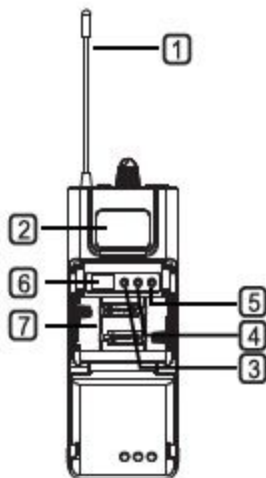
## Handheld Transmitter Option 2



1. Microphone head  
Cartridge inside
2. Metal pipe (Aluminum alloy)  
Anodize any different colors, never fade.
3. Backlit LCD  
Display group, channel, frequency and battery life
4. IR infrared port  
Receiver infrared beam to synchronize frequencies, hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5-20cm  
**Note:** When using multiple systems, only one transmitter IR port should be expose at a time.
5. ON/OFF and Mute switch  
Push up the switch to turn on, Mute at the mid position
6. Battery compartment  
To replace batteries, unscrew the bottom pipe part counter-clockwise, make sure to put the battery in the right polar directions
7. Caps-on

# Transmitter Features

## Body-pack Transmitter



1. Antenna

1/4 wave length wire type antenna, it should be fully extended during normal operations

2. Backlit LCD

Display frequency and battery life, if the battery symbol blinks, the battery need to be replaced immediately

3. UP button

Adjust the frequency, incrementally

4. SET button

Menu control to set frequency

5. DOWN button

Adjust the frequency degressively

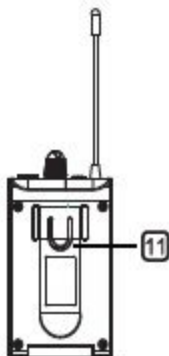
6. IR infrared port

Receiver infrared beam to synchronize frequencies, hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5-20cm.

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

7. Battery compartment

To replace batteries, slightly press the marked positions on left and right side of the cover and open forward, make sure to put the battery in the right polar directions.



8. Input

3-pin mini XLR input for supplier microphone, guitar cable or other musical instrument microphones (saxophone, violin, viola, cello, acoustic guitar etc)

9. Volume control

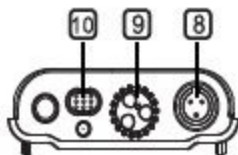
Clockwise to enlarge, counter-clockwise to reduce

10. Light touch power switch

Tap to turn on, long press (2 seconds) to turn off.

11. Belt-clip

Clip to the belt or guitar strap



# Transmitter Features

## Plug-on Transmitter

1.Audio input: Female XLR Plug(With Lock)

2.48V phantom power indicator

When the phantom power switch is turned on, the 48V blue indicator lights up.

3.PO power indicator

When the power is turned on, the PO red indicator lights up.

4.IR sync window

Pair the receiver's frequency by infrared SYNC

5.Power button

Long-press over 1 sec to turn on and off

6.48V phantom power switch

When the switch is on the right side, 48V phantom power is ON. At the moment, the plug-on transmitter can connect and operate with condenser microphones.

When the switch is on the left side, 48V phantom power is OFF, At the moment, the plug-on transmitter can connect and operate with dynamic microphones.

7.Low battery Button

When battery life is low, the LO red indicator starts flickering. It should be charged immediately.

8.Charge indicator

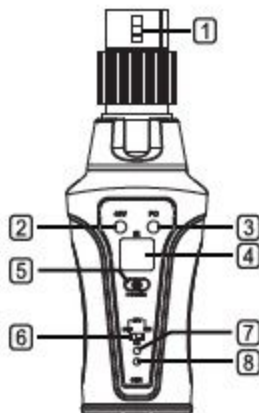
When it is charging, the indicator appears bright green, when it's fully charged, the indicator appears off or very light color

9.MINI-USB charger jacket

Use 5V power adapter only

10.Antenna Jacket

The antenna is detachable. Be sure to rotate the antenna when using it.





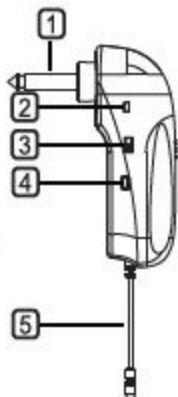
# Transmitter Features

## Electric guitar electronic musical instrument

### Guitar Straight plug/Angled plug

#### 1. 1/4" inch plug

Insert this standard 1/4" plug into your electric musical instrument. Note that the angling of the plug can be configured for Fender and Gibson electric guitar and bass. The angled plug can be configured for all 6.35mm end mount-jacks electric musical instrument e.g. electric violin, electric saxophone etc.



#### 2. BATT/PO

Power and battery LED, this blue LED remains lighting as long as the transmitter has power; the blue LED flashing means the battery need to be replaced immediately.

#### 3. Mute

Move the switch to left side to mute the microphone

#### 4. Light touch power switch

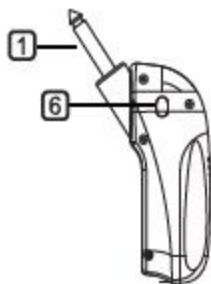
Tap to turn on, long press (2 seconds) to turn off.

#### 5. Antenna

1/4 wave length wire type antenna, it should be fully extended during normal operations

#### 6. IR infrared port

Receiver infrared beam to synchronize frequencies, hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5-20cm.

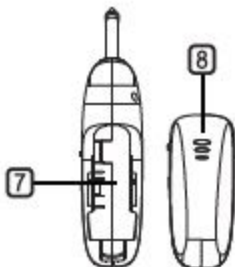


#### 7. Battery compartment

Insert a standard AA alkaline battery here, make sure to put the battery in the right polar directions.

#### 8. Battery cover

Pull back gently on this cover at the ribbing and pry upwards to remove



# Transmitter Features

## Saxophone/Horn Transmitter

### 1. Input mic

Unidirectional Condenser microphone pick up of Saxophone / horn's sound

### 2. Gooseneck pipe

Adjustable at any Angle

### 3. Spring clip

Clamp the spring clip on the saxophone's bell mouth to pick up

the sound, and the spring clip is equipped with a rubber protective cover to avoid damage to the instrument.

### 4. BATT/PO

Power and battery LED, this blue LED remains lighting as long as the transmitter has power; the blue LED flashing means the battery need to be replaced immediately.

### 5. Mute

Move the switch to left side to mute the microphone

### 6. Light touch power switch

Tap to turn on, long press (2 seconds) to turn off.

### 7. Antenna

1/4 wave length wire type antenna, it should be fully extended during normal operations

### 8. IR infrared port

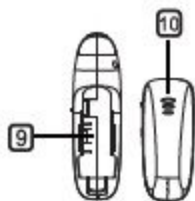
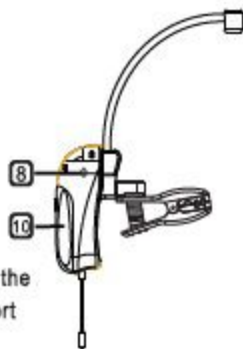
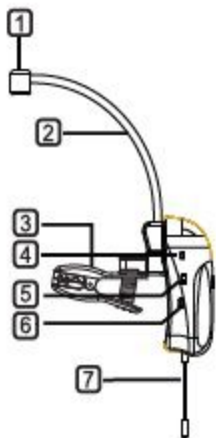
Receiver infrared beam to synchronize frequencies, hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5-20cm.

### 9. Battery compartment

Insert a standard AA alkaline battery here, make sure to put the battery in the right polar directions.

### 10. Battery cover

Pull back gently on this cover at the ribbing and pry upwards to remove



# System Setup

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## 1. Power On

Connect the included AC power supply to the rear of the receiver and turn on the receiver.

## 2. Menu Set

Push the MENU button to unlock the Group/Channel/Frequency, Push the up and down buttons to set the desired group/channel/Frequency, Press MENU again to confirm.

## 3. IR Synchron

After the step of setting Group/Channel/Frequency, press the Menu until the IR / (ANTA/ ANT B) blinks, then put the transmitter (handheld, body-pack or musical instrument) IR port close to the receiver's IR port. The transmitter has to be synchronized to the same frequency (group and channel) before using. After a successful sync, the display RF signal and Antenna icon appears.

## Transmitter / Receiver IR Quick Sync

With the receiver in normal operating mode, push and hold the MENU button on the receiver to sync the transmitter to the receiver. While the receiver is sending the signal, turn the transmitter ON. If, for some reason, your transmitter is not on the same channel from your last use, you can use the IR Quick Sync method to quickly sync the transmitter without having to page through the Group and Channel setting functions.

## 4. RF power adjustment

**Remark:** The RF power function is only effective for handheld and bodypack transmitters, it have to set the RF power from receiver first, then use the transmitter IR Sych from the receiver to match.

# Specifications

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## Receiver

|                       |                                     |
|-----------------------|-------------------------------------|
| Frequency Preparation | PLL Synthesized Control             |
| Frequency Range       | 600-952MHz (Region dependant)       |
| Frequency Type        | F3E                                 |
| Modulation Type       | FM                                  |
| Channels:             | 100(10x10)                          |
| Oscillation System    | VCO                                 |
| Receive Sensitivity   | -110dBm (sinad $\geq$ 30dB)         |
| Frequency Response    | 60Hz-17KHz+/-3dB                    |
| S/N Ratio             | $\geq$ 105dB (-60dBm)               |
| T.H.D                 | <0.5% at 1KHz                       |
| Dynamic Range         | >100dB                              |
| Operating Temperature | -10-+50°C                           |
| Display               | Backlit LCD                         |
| Audio Output          | 2*Balanced XLR Socket 1*6.35mm Jack |
| Antenna:              | 2*TNC                               |
| Power Supply          | DC12V-18V/1000mA                    |

## Handheld Transmitter

|                       |                               |
|-----------------------|-------------------------------|
| Frequency Preparation | PLL Synthesized Control       |
| Frequency Range       | 600-937MHz (Region dependant) |
| Frequency Deviation   | $\pm$ 48KHz                   |
| Microphone Type       | Dynamic                       |
| Polar Pattern         | Cardioid                      |
| RF Output Power       | 10mW                          |
| Controls              | ON/MUTE/OFF                   |
| Indicators            | Backlit LCD                   |
| Interface             | Infrared                      |
| Power Supply          | 2*AA battery                  |
| Operating Voltage     | 3V                            |
| Operating time        | 10h (depending on batteries)  |
| Dimensions            | 265mm                         |

# Specifications

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## Body-pack Transmitter

|                       |                                      |
|-----------------------|--------------------------------------|
| Frequency Preparation | PLL Synthesized Control              |
| Frequency Range       | 600-937MHz(Region dependant)         |
| Frequency Deviation   | ±48KHz                               |
| Input                 | 3 pin mini-XLR                       |
| RF Output Power       | 10mW                                 |
| Controls              | Power ON//OFF, Volume, SET frequency |
| Indicators            | LED (PO), LCD(BATT, frequency)       |
| Interface             | Infrared                             |
| Antenna:              | 1/4 wave Length Wire Type            |
| Power Supply          | 2*AA battery                         |
| Operating Voltage     | 3V                                   |
| Operating time:       | 10h (depending on batteries)         |
| Dimensions( L*W*H)    | 110*63*21mm                          |

## Electronic Musical Instrument Transmitter

### Guitar Straight plug/Angled plug

|                       |   |
|-----------------------|---|
| Frequency Preparation | PLL Synthesized Control                               |
| Frequency Range       | 600-937MHz (Region dependant)                         |
| Frequency Deviation   | ±48KHz  |
| RF Output Power       | 10mW  |
| Controls              | ON/OFF, Mute  |
| Indicators            | LED(PO/BATT)  |
| Interface             | Infrared  |
| Antenna:              | 1/4 wave Length Wire Type                             |
| Power Supply          | 1*AA battery  |
| Operating Voltage     | 1.2-1.5V  |
| Operating time:       | 10h (depending on batteries)                          |
| Dimensions            | 120*54*28mm(straight plug)<br>90*71*28mm(angled plug) |

## Specifications

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### Saxophone Transmitter

|                       |                               |
|-----------------------|-------------------------------|
| Frequency Preparation | PLL Synthesized Control       |
| Frequency Range       | 600-937MHz (Region dependant) |
| Frequency Deviation   | ±48KHz                        |
| Microphone Type       | Condenser                     |
| Polar pattern:        | Ultra-cardioid                |
| Cartridge size:       | Φ 14*5.0mm                    |
| Sensitivity:          | - 47dB±2dB                    |
| RF Output Power       | 10mW                          |
| Controls              | ON/OFF, Mute                  |
| Indicators            | LED(PO/BATT)                  |
| Interface             | Infrared                      |
| Antenna:              | 1/4 wave Length Wire Type     |
| Power Supply          | 1*AA battery                  |
| Operating Voltage     | 1.2-1.5V                      |
| Operating time:       | 10h (depending on batteries)  |
| Dimensions            | 165*66*28mm                   |

### Plug-on Transmitter

|                       |                              |
|-----------------------|------------------------------|
| Frequency Preparation | PLL Synthesized Control      |
| Frequency Range       | 600-937MHz(Region dependant) |
| Frequency Deviation   | ±48KHz                       |
| Input                 | Female XLR(with lock)        |
| RF Output Power       | 10mW                         |
| Controls              | Power ON/OFF, 48VON/OFF      |
| Indicators            | LED (PO/48V/LO/CHR)          |
| Interface             | Infrared                     |
| Antenna:              | 1/4 wave Length Wire Type    |
| Power Supply          | Lithium battery              |
| Operating Voltage     | 3.7V                         |
| Operating time:       | 5h (depending on batteries)  |
| Dimensions( L*W*H)    | 180*20*10mm                  |