



RE-10 Wireless Microphone for Musical Instruments

User's Manual

System Overview

Components

Transmitter 1pc
Receiver 1pc
Antenna 1pc
Adaptor 1pcs
Charge Cable 1pc
User Manual 1pc
Warranty card 1pc

System Features

UHF 600-937MHz frequency range (region dependent)
Digital wireless audio transmission
48KHz audio sampling mode
Pre-set 16 selectable frequencies
Digital ID code, completely solves frequency interference
IR sync downloading the frequency from receiver
Lithium battery power supply
Portable plug-on receiver, plug in the mixer or active speaker directly
Up to 50m line-of-sight operating range
Suitable for instrument stage performances, street performances, etc.

Specifications

Receiver

Frequency range: 660-690 MHz
Frequency: Pre-set 16 selectable channels
Modulation mode: pi/4 DQPSK
Latency: <6ms
Sampling: 48KHz
Frequency response: 60Hz-15KHz±2dB
Total Harmonic Distortion: <0.8%(1KHz)
Signal/noise ratio: >92dB
Receive sensitivity: -92dBm
Output: 6.35mm plug
Power supply: 3.7V Lithium battery
Battery life: >6 hours
Dimension: 185*20*10mm

Transmitter

Frequency range: 660-690 MHz
Modulation mode: pi/4 DQPSK
Transmitter power: 10mW
Sensitivity: -47 db±2dB
Frequency change: IR sync
Microphone type: Condenser
Microphone dimension: Φ 14*5.0mm
Power supply: 3.7V lithium battery
Battery life: >6 hours
Dimension: 200*43*30mm

Receiver Features

Receiver

1.Audio output:6.35mm

2.RF indicator

When RF signal is received, RF indicator appears Green

3.IR sync window

4.Digitron display

Shows the current working channel number

5.Power button

Long-press over 1 sec to turn on and off

6.Up button(Channel)

Long-press this button until the display is flickering to enter the unlocked mode.Press this button to increase

7.Down button(Channel)

Long press this button until the display is flickering to enter the unlocked mode.Press this button to decrease

8.SYNC switch(Infrared synchronization switch)

Turn the SYNC switch to the right side, the receiver IR window starts to send infrared data. At this time, the digitron will display the marquee screen.When the RF indicator is on,Turn the SYNC switch to the right side to cancel the infrared frequency operation, otherwise the receiver cannot be used.

9.Low battery indicator

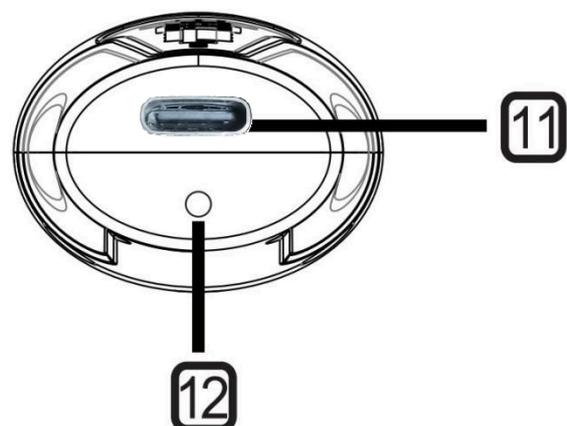
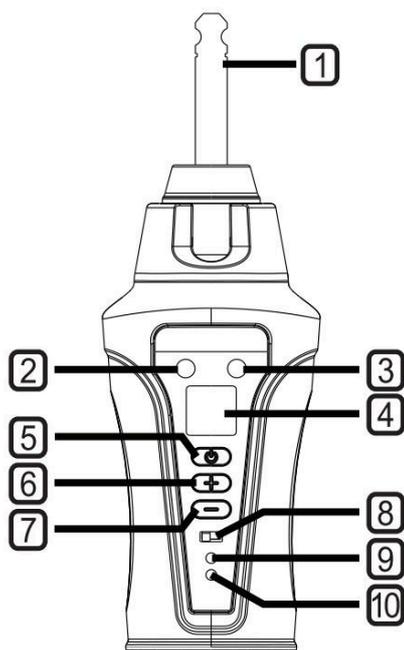
When battery life is low, the LO red indicator starts flickering. It should be charged immediately.

10.Charge indicator

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

11.Type-C charger jack

12.Antenna Jack



Transmitter Features

Transmitter

1. Condenser Capsule

Unidirectional Polar Pattern 14mm condenser capsule

2. Gooseneck hose

Multi-angle adjustable

3. IR sync window

When matching frequency through IR, put the IR sync window in front of the receiver's window

4. Power indicator and low battery

Lights up after power on, when battery is low, indicator flickers every 0.5S.

5. Charge indicator

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

6. Power button

Long-press to turn on or off

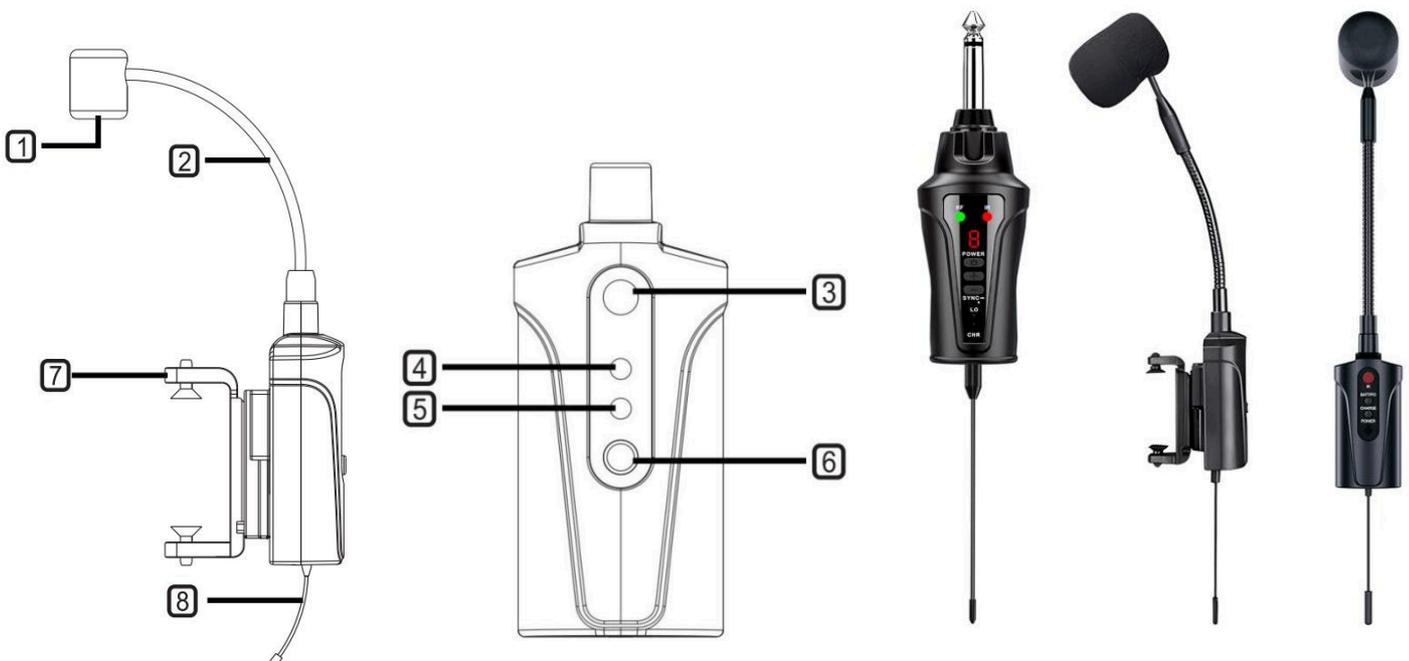
7. Spring clip

With sucker to protect the instrument from scratches. (VT-5)

7.1. Musical instrument fixing clips: Equipped with different musical instrument clips for different musical instruments, such as spring clips, straps, Velcro etc.

8. Antenna

1/4 wave length antenna



VT-5 Violin Microphone

System Setup

1. Turn on: Press and hold the POWER button to turn the receiver on, the digitron appears channel number.

Notice:

- ① Turn on before using, then connect the receiver into the mixer.
- ② Turn off the sound of the audio equipment before you turning off the receiver.
- ③ Turn off the sound of the audio equipment before you pulling out the receiver.

2. Frequency Modulation

Pre-set 16 selectable channels, long-press the receiver +/- button until the display is flickering, enters to the unlocked mode, then press +/- button to adjust channel.

3. IR Sync

Turn the SYNC switch to the right side, the receiver IR window starts to send infrared data. At this time, the digitron will display the marquee screen. When the RF indicator is on, Turn the SYNC switch to the right side to cancel the infrared frequency operation, otherwise the receiver cannot be used.

How to use the wireless instrument microphones



1, Connect the antenna to the receiver



2, Press & hold the power button for 1.30s to turn it on



3, +/- Button. Press 2s to unlock, and short press to adjust channel



4, After setting the channel, push the SYNC button to the right to enter the IR pairing mode



5, Align the IR window of the transmitter with the IR window of the receiver to achieve frequency pairing



6, When the RF indicator light turns green, the frequency is paired. Push the SYNC switch to the left to use

Radio Frequencies in MHz

UHF 660-690 MHz

0	660.15	8	666.95
1	661.00	9	667.80
2	661.85	A	668.65
3	662.70	b	669.50
4	663.55	C	670.35
5	664.40	d	671.20
6	665.25	E	672.05
7	666.10	F	672.90