



PR-8/ST-4 Wireless Saxophone Microphone

User's Manual

System Overview

System Features

UHF 600-937MHz frequency range (region dependent)
Antenna diversity for maximum range and dropout protection
PLL Synthesized circuit
Pre-set 100 (10*10) selectable frequencies
IR sync downloading the frequency from receiver
LCD display shows status of frequency, AF and RF signal etc
Receiver powered by DC 9V or 2*1.5VAA battery
Up to 300 feet (100m) line-of-sight operating range
Designed for saxophone, trumpet, trombone, tuba, horn playing.

Components

Receiver *1
Transmitter *2
Charger/Charging Cable
User Manual

Specifications

Receiver

Frequency Preparation: PLL Synthesized Control
Frequency Range: UHF 660-690MHz
Frequency Type: F3E
Modulation Type: FM
Channels: 100(10x10)
Oscillation System: VCO
Type of Reception: Antenna Diversity
Receive Sensitivity: -110dBm (sinad≥30dB)
Frequency Response: 60Hz-17KHz±3dB
S/N Ratio: ≥105dB(-60dBm)
T.H.D: <0.5%at 1KHz
Dynamic Range: >100dB
Operating Temperature: -10 to +50°C
Display: Backlit LCD (63mmx22mm)
Audio Output: 1x6.35mm Jack
Antenna: 2 pcs
Power Supply: DC9V/200mA
Dimensions(LWH): 100x130x35mm

Frequency Preparation: PLL Synthesized Control
Frequency Range: UHF 660-690MHz
Frequency Deviation: ±48KHz
Microphone Type: Condenser
Polar Pattern: Supercardioid
Cartridge size: Φ14*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
Battery Life: 10 hours
Dimensions: 165x66x28mm

Receiver Features

Front/Top Panel

1. Power switch

Tap to turn on, tap to turn off

2. LCD display

The 63mmx22mm high resolution LCD display shows the group, channel, frequency, antenna status, AF & RF level and Battery life.

3. IR (Infrared) port

Send IR signal to transmitter for synchronization

4. IR button

Tap to send IR signals from receiver

5. UP button

Adjust the frequency, channel, group incrementally

6. SET button

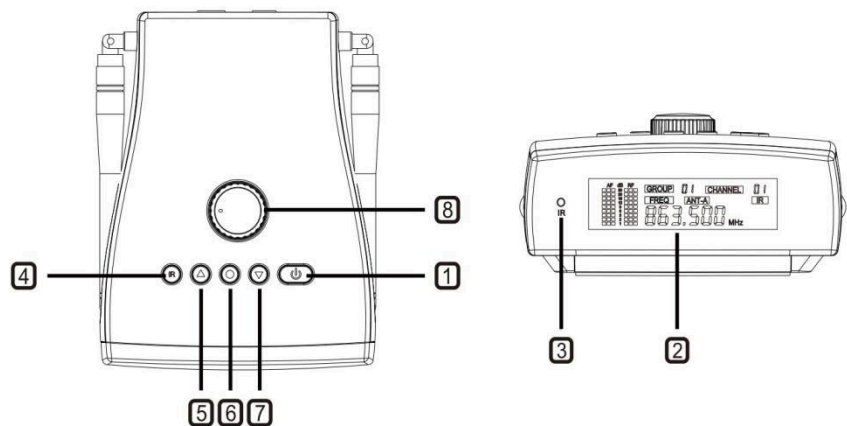
Menu control to set group, channel, frequency, IR Synch.

7. DOWN button

Adjust the frequency, channel, group degressively

8. Volume control

Adjust the volume level



Side/Bottom/Back Panel

8. Power supply jack (DC9V/200mA)

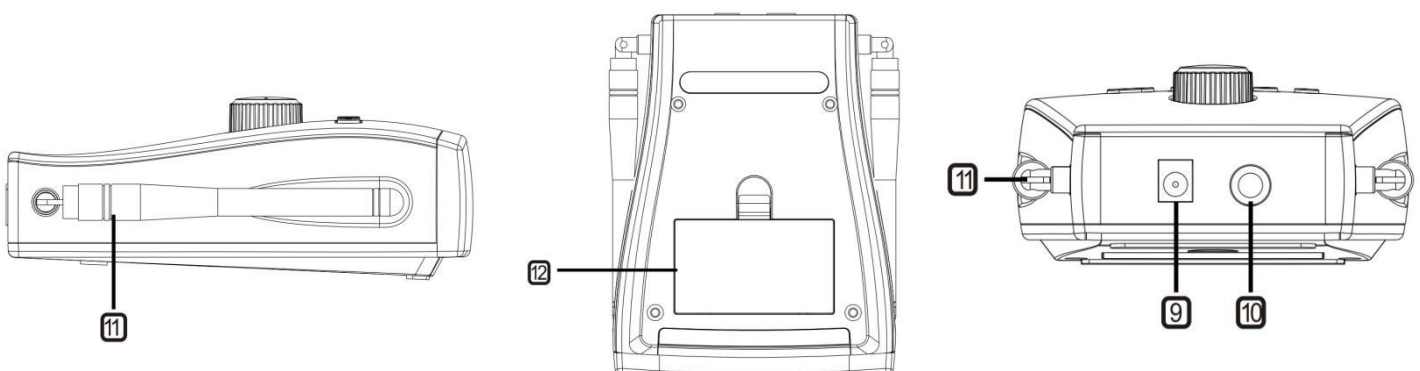
Connecting the power supply unit

9. Balanced XLR output jack

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

10. Antennas

11. Battery compartment



Transmitter Features

1. Input mic

Unidirectional condenser microphone pick up saxophone'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

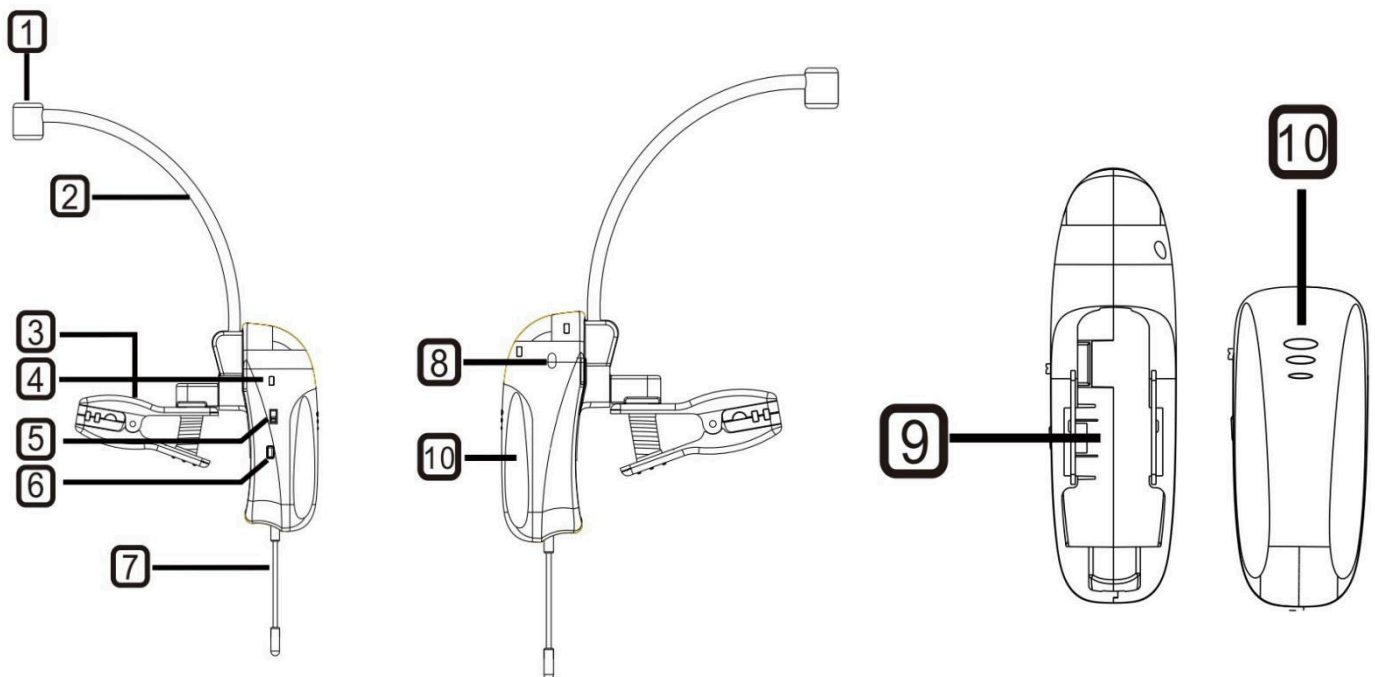
Receiver infrared beam to synchronize frequencies, hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5-20cm.

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

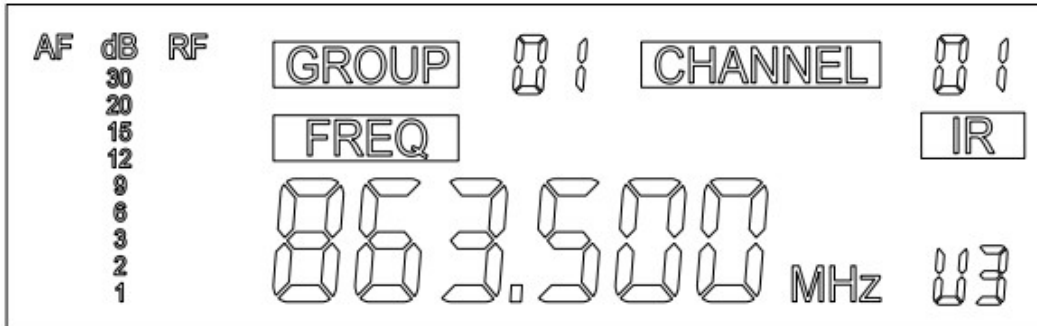


System Setup

1. Connect the power supply to the rear of the receiver or put 2 pcs 1.5V AA battery and turn on the receiver.

2. Standard Display

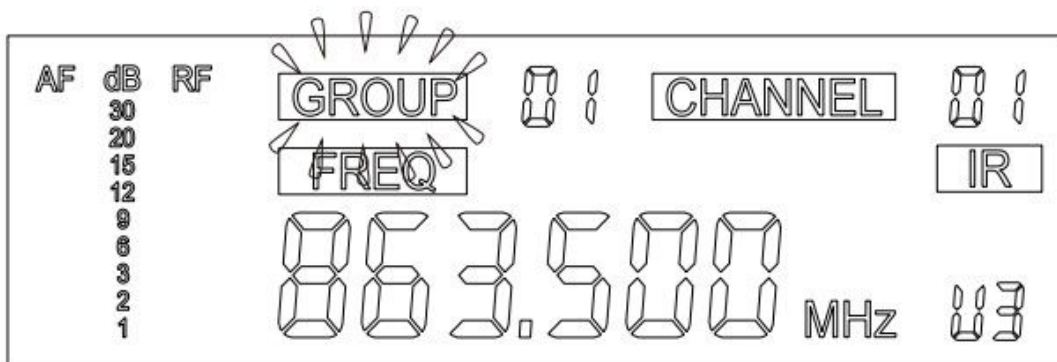
The standard display shows the preselected group, channel



Group

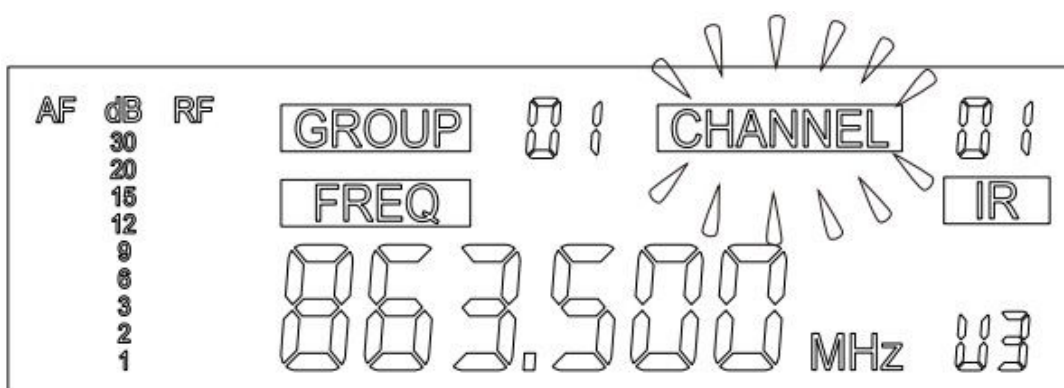
Tap the SET button, the GROUP blink, Push the up and down buttons to set the desired group (01-10), Press SET again to confirm. The display will return to standard after a short period of time of non-activity automatically.

NOTE: Each group 01-10 consists of 10 channels, each corresponding to a specific frequency. Some frequency bands, for specific regions, will not have 10 channels per group. (Groups vary by region.)



Channel

After the step of setting group, press the SET again, the CHANNEL blink. Push the up and down buttons to set the desired channel (01-10), Press SET again to confirm. The display will return to standard after a short period of time of non-activity automatically.

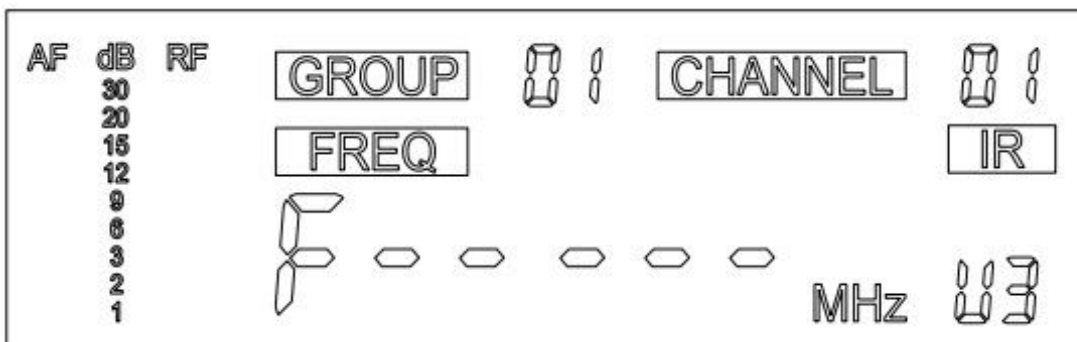


System Setup

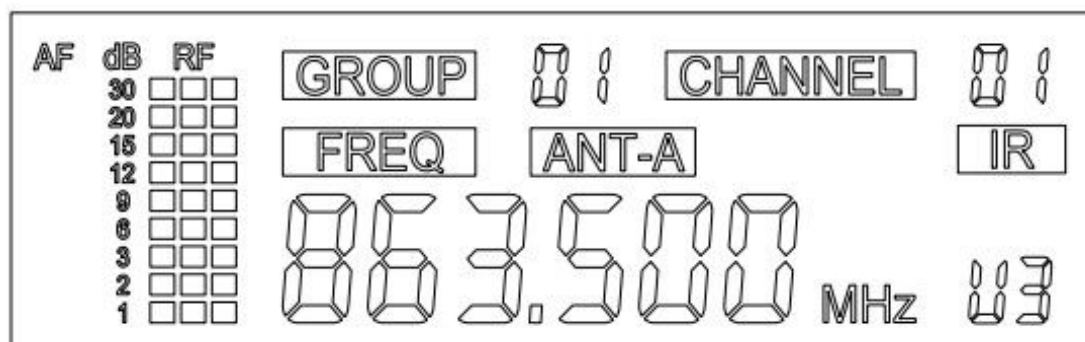
IR Synch

After the step of setting channel, press the SET again, press the IR button, the receiver start to send the infrared signals (Picture 1), then put the transmitter's IR port close to the receiver's IR port, the transmitter has to be synchronized to the same frequency(group and channel) before using.

NOTE: Hold the transmitter with its IR port facing direct to receiver's IR port in a distance between 5-20cm. After a successful sync, the display RF signal and ANT-A shows up (Picture 2)



1



2

Battery Life Level

The sign U0-U3 represents the level of battery life of receiver. U3 represent full battery life which the voltage is >2.7V, U2 represents the battery voltage is between 2.4V-2.7V; U1 represents the battery voltage is between 2.1V-2.4V; U0 represents the low battery voltage is <2.1V; "U0" keeps flashing and the battery need to be replaced. When powered by DC adptor, the battery voltage remain showing "U3".