Diversity
Wireless System
for On Stage In-ear Monitor

Table of Contents

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

System Components

All systems include

Transmitter

6.35mm audio cable

1* TNC antenna

Power supply

Belt-pack Receiver

Earphone

2 x AA Batteries

User guide

System Features

UHF 600-928MHz frequency range

Mono Outputs, four levels RF output selectable

True diversity for maximum range and dropout protection

PLL Synthesized circuit

Pre-set 100（10＊10）selectable frequencies

IR sync downloading the frequency from transmitter

LCD display shows the RF level, AF level, channel and frequency.

EIA standard 1/2U rack-mountable metal chassis

Up to 200m line-of-sight operating range

Designed for professional stage performance applications

Transmitter Features

Front Panel

1. Power switch

    Tap to turn on, tap to turn off, blue light up when transmitter turns on

2. LCD display

    The 63mm*22mm 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 receiver for synchronization

4. UP button

    Adjust the frequency, channel, group incrementally

5. SET button

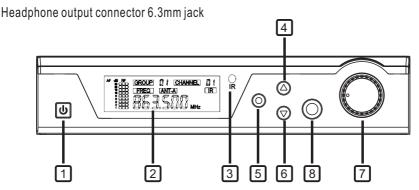   Menu control to set group, channel, frequency, IR Synch.

6. DOWN button

    Adjust the frequency, channel, group degressively

7. Volume control

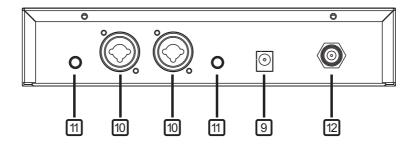   Adjust the volume level, volume knob encircled by blue light

8.Headphone Jack

    Headphone output connector 6.3mm jack
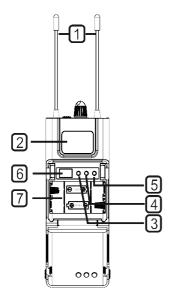
Transmitter Features

Back Panel

9. Power supply jack (DC12-18V / 500mA)

    Connecting the power supply unit

10. 6.35mm (1/4") audio input jack

    Connect the audio source, e.g. of mixer or computer

11. Volume control
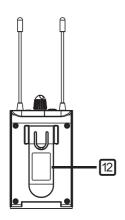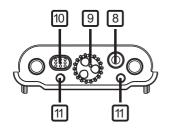
    Adjust the volume level

12. TNC antennas socket

    Connect the high gain antenna

Belt-pack Receiver Features

Body-pack Receiver

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

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. Earphone audio output
3. 5mm earphone audio output socket

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. RF Indicator
Antenna A and B indicator

12. Belt-clip
Clip to the belt

System Setup

1.Connect the included AC power supply to the rear of the receiver and turn on the receiver.
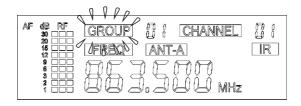
2.**Standard Display**

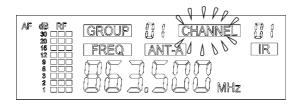The standard display shows the preselected group, channel, RF power level.

Group

Push the SET button one time, 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.

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.
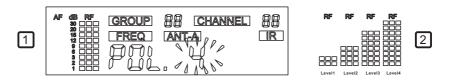

5

System Setup

RF Power

After the step of setting channel, press the SET again, the POL "4" blink (as below picture1). Push the up and down buttons to set the desired RF Power level (1-4), Level 1 shows two lines of signals, the corresponding RF power is 5mW; Level 2 shows four lines of signals, the corresponding RF power is 10mW; Level 3 shows six lines of signals, the corresponding RF power is 30mW; Level 4 shows full lines of signals, the corresponding RF power is 100mW (as below picture2). And when the LCD display in the standard status, it can push the up and down buttons to set the desired RF Power level.
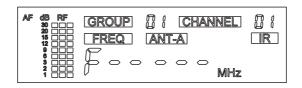
NOTE: The larger RF power, the Longer distance.

IR Synch

Anytime press the SET button and hold for 1 second, the receiver start to send the infrared signals (as below picture), then put the belt-pack receiver's IR port close to the Transmitter / Main unit's IR port , the receiver has to be synchronized to the same frequency (group and channel) before using.

Note: The receiver have to be turned off and return-on while transmitter send infrared signals. After a successful sync, the receiver's blue LED RF indicator lights up.

Specifications

Transmitter（**Main Unit**）

Frequency Preparation	PLL Synthesized Control
Frequency Range	600-952MHz（Region dependent）
Frequency Type	F3E
Transmission Method	FM, Mono
Channels	100(10x10)
RF Output Power	5mW／10mW／30mW／100mW
Oscillation System	VCO
Frequency Response	60Hz-17KHz+/-3dB
S/N Ratio	≥105dB
T.H.D	<0.5% at 1KHz
Dynamic Range	>100dB
Operating Temperature	-10-+50℃
Display	Backlit LCD (63mm*22mm)
Audio Input	2*6.35mm Jack
Antenna	1*TNC
Power Supply	DC12V-18V/500mA
Dimensions(L*W*H)	210*170*44mm

Receiver（**Belt－pack**）

Frequency Preparation	PLL Synthesized Control
Frequency Range	600-952MHz（Region dependent）
Transmission Method	FM, Mono
Type of reception	Diversity
Receive Sensitivity	-107dBm (sinad≥30dB)
Output	3.5mm straight pin
Earphone output	3.5mmφ/ 16ohms 105mW
Controls	Power ON//OFF, Volume, SET frequency
Indicators	LED (AF)
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

The specification won't do any further notice for the improvement

Actual product will not be as pictured