



UHF Wireless Radio Microphone System Model: KU89

STOCK CODE: VEC412



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(available separately)



OPERATING INSTRUCTIONS

Thank you for purchasing the Vector UHF Wireless Radio microphone system. This easy to use product will give you reliable high quality performance with ease of set up and operation. This system operates on Channel 70. (Licence FREE)

Please check the contents of the box to ensure you have the following:-

- 2 x Handheld Radio Microphone Transmitters
- 1 x 19" Rack mount Twin Receiver
- 1 x Power Supply 12volt DC
- 1 x Jack Plug—Jack Plug Screened lead
- Pair aerials to use with receiver.
- Instruction Manual

Product specifications:

Receiver:

Dimensions: 482mm x 190mm x 44mm

Weight: 1.65Kg

Power Supply: DC 12V-18V

Sensitivity: 13dBuV

Current track inhibit: 65dB

Audio Output: 200mV

Output Impedance: XLR 3 Pin Connection: 200, 6.3mm Jack Plug: 1K

Degree of Distortion: <0.1%

Frequency response: 50Hz—15KHz

Receiving Distance: 100 metres

Transmitter:

Dimensions: 260mm x 53mm x 53mm

Weight: 395 grams

Power Supply: 2 x AA Batteries 1.5V

Working voltage: 3volts

Frequency: 863-865MHz

Frequency Stability: 10PPM

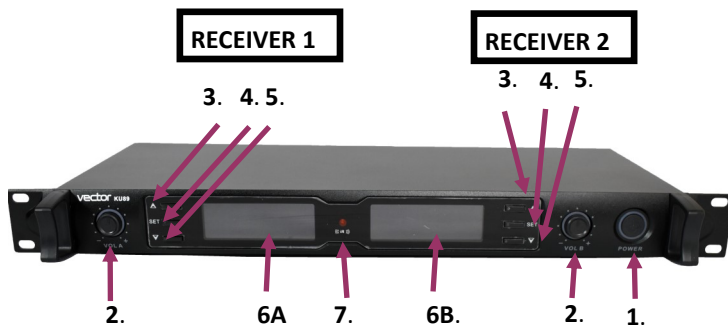
Transmission Power: 10Mw

Harmonic Suppression: more than 65db

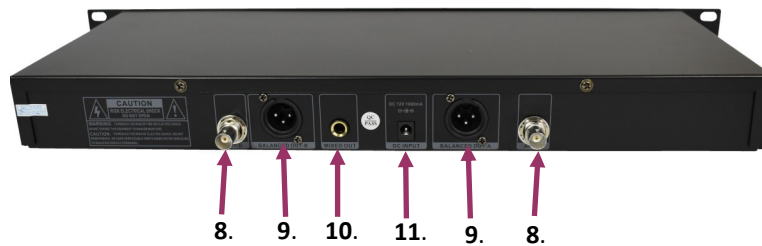
Modulation method: FM

Modulation method: 75K

PRODUCT FUNCTIONS:



Rack Mount Twin Receiver



Microphone & Belt Pack Transmitters



1. Power On/Off switch
2. Channel Volume control
3. Increase Frequency button
4. Frequency select button
5. Decrease frequency button
6. Display Screen
7. Infra Red Receiver
8. Aerial Receiver
9. XLR Audio Output
10. Jack Plug 6.3mm Audio Output
11. Low Voltage Power supply inlet.

12. Microphone Head
13. LCD Display
14. Power on/off switch
15. Battery compartment (Unscrew for access)
16. Aerial
17. Display Screen
18. Flip Down Battery pack access
19. Microphone plug in point
20. Power switch on/Off

OPERATING INSTRUCTIONS.

Connect the separate low voltage power supply to the rack mount twin receiver. Attach the two aerials to the aerial receiver (8) on the rear of the rack mount twin receiver.

Ensure two AA batteries are fitted into the Microphone Transmitter or the Belt Pack Transmitter whichever is being used.

1. Switch on the Twin receiver by pressing the Power On/OFF (1), the LED behind the power switch will illuminate to show the unit is switched on and the Display screens (6A & 6B) will illuminate.
2. You now need to tune the frequencies of the Transmitter (Microphone or belt pack) and Receiver. Each receiver has a total of 40 (0-40) operating frequencies on Receiver 1 (left hand side or Display panel 6A) and a further 40 channels (41-80) on receiver 2 (right hand side or display panel 6B).
3. To tune the handheld microphone, select a frequency on Receiver 1 by pressing the frequency select button (5), you can then use buttons 3 and 5 (increase and decrease frequency) to change the frequency.

Operating Instructions continued.

4. Switch on the Microphone Transmitter by pressing button (14) the display panel (15) will illuminate.
5. Move the microphone so the display panel (15) aligns with the IR receiver (7) located in the centre of the twin rack receiver, then press the frequency select button (4), this will then align the Transmitter and receiver.
6. If you intend to use the Belt Pack then repeat the process ensuring the belt pack is switched on (20), lower the battery flap (18) and this will reveal the Infra red. As above align the battery pack with the IR receiver (7) on the twin rack receiver.
7. If you wish to change the frequency then simply use the up and down buttons (3 and 5) to the selected frequency and then realign the transmitters as explained in operational notes 5 or 6.
8. If you wish to lock the frequencies this can be done by pressing and holding the frequency select button (4), the display screen (6A/6B) will then show a key symbol. To unlock simply press and hold the frequency select button until the key symbol disappears. Note: when the frequencies are locked the Up and down keys (3 and 5) will not operate.
9. When using the headset microphone ensure the battery transmitter is securely attached to the performer the Microphone will then attach to the belt pack via the Microphone plug point (19).
10. To connect the Twin Receivers to the sound systems you have two options, the first is via the 3 pin XLR audio outlet (9) which can be linked to either a microphone or line input on the mixer. The alternative outlet is via a stereo 6.3mm Jack plug socket (10), this allows twin outlet using the stereo outlets of the 6.3mm jack socket.
11. The volume can be controlled via the rotary control button (2).

Tips for improving Wireless performance:

Reduce the transmitter to receiver distance

Scan to find the best frequencies for operation.

Transmitter should be in line of site from the receiver for optimal sound

Check other wireless devices are operating of different frequencies or can be switched off.

Move the receivers away from Wi-Fi access points, computers or other active sources. Recommended distance of 3metres.

Tips for improving Sound Quality.

Reduce the transmitter gain control to ensure the input matches the input range of the mixer. If unsure always use a line input on the mixer.

Signal output is shown on the visual display of the receivers, ensure they do not peak when setting up the system.

Use good quality screened cables for connection from Radio Microphone receivers to mixers.

vector



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