

**REDELL**®

**FIVE-STAGE, THREE-STANDBY  
AVIATION FREQUENCY BAND RECEPTION  
FM RADIO RECEIVER  
350MHZ RECEPTION  
ONE-CLICK DECODING**

**UV97**

- 128 Memory Channels
- Large Capacity Polymer Lithium Battery
- Long Standby
- VOX Function
- Side Button Customization
- Scramble Function
- Scan Function
- CTCSS/DCS Non-standard Sub-tone Programming
- Support Cradle Charging and TYPE-C Fast Charging



REDELL(FUJIAN) ELECTRONIC TECHNOLOGY CO., LTD.

## TECHNICAL

MACHINE	
Model	UV99
Channel Capacity	128
Channel Spacing	25KHz/12.5KHz
Operating Voltage	DC 7.5V
Frequency Range	VHF: 136 – 174 MHz(Receive/Transmit) UHF: 400-520MHz(Receive/Transmit) UHF: 330-390MHz(Hardware Customization) AM: 108-135MHz(Only Receive) VHF: 220-260MHz(Hardware Customization) FM: 65-109MHz(Only Receive)
Standard Battery	Lithium polymer battery
Antenna Impedance	50Ω
Operating Temperature	-20°C~+50°C
Weight	295g
Dimensions: HxWxD(mm)	119*60x41mm(Without Antenna)
RECEIVING	
Frequency Stability	≤5W
Reference Sensitivity	Better Than -119dBm
Adjacent Channel Selectivity	≥ 65dB
Audio Response	≤+2dB & ≥ -10dB
Rated Audio Power	500mW
Received Signal-to-noise Ratio	≥ 40dB
Audio Distortion	≤5%
Co-channel Rejection	≥ -8dB
Intermodulation	≥ 55dB
TRANSMIT	
Transmit Power	≤37dBm ±1.5dB
Transmit Signal to Noise Ratio	≥ 40dB
Emit Stray Radiation	≤7.5uW
Adjacent Channel Power	≤-65dB
Frequency Stability	+/-2.5ppm
Maximum Frequency Offset	≤5KHz
Modulation Characteristics	+1dB ~ -3dB
Modulation Distortion	≤5%

## STANDARD

