

# RT97P

RETCVIS

DMR Mobile Radios Long Range Transceiver High Power Full Duplex LCD  
Dust-Proof Solid Mini Compact Base Station Transceiver

## Description:

- Simple installation and flexible operation; the radios transceiver can be operated flexibly as fixed or mobile.
- Solid body and more flexibility: Rugged design meets military specifications to prevent dust, wind and other adverse conditions.
- Multiple charging options: matching power adapter can work under DC12V~24V power or car power, and meet your needs.
- The antenna can be selected according to the actual demand.



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## Main technological specification

Frequency range:	136-174/400-470MHz
Standard form:	DMR/FM/DMR+FM
Channel Capacity:	8CH
Channel Spacing:	±12.5KHz Narrow/±25KHz Wide
Operating Temperature:	-30°C~+60°C
Operating Voltage:	DC12V-24V
Antenna Impedance:	50Ω
Frequency Stability:	±0.5ppm
Dimension:	280×210×75mm
Weight:	2624g

## Transmitter

Output power:	10W
Transmission Current:	≤2.5A
FM Modulation:	11kφF3E/16kφF3E
Digital modulation:	4FSK
Modulation Distortion:	≤5%
FM Noise:	≥40dB (25KHz) /≥35dB (12.5KHz)
Adjacent Channel Power:	≥70dB (25KHz) /≥60dB (12.5KHz)
Audio Response:	+1~-3dB
DMR Protocol:	ETSI-TS102 361-1,-2,-3

## Receiver

Analog receive Sensitivity:	0.25μv (12dB) SINAD
Digital receive sensitivity:	-120dBm (BER≤5%)
Adjacent channel selectivity:	≥70dB (25KHz) /≥60dB (12.5KHz)
Inter-modulation:	≥60dB/≥65dB
Signal imitation:	≥70dB
Audio Response:	+1~-3dB
Audio distortion:	<5%
FM Noise:	≥45dB (25KHz) /≥40dB (12.5KHz)

## Package Includes:

- 1 x RT97P Repeater
- 1 x Car Charger Cable
- 1 x Charger
- 1 x Programming Cable
- 1 x Power Supply
- 1 x User Manual



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