



RT97 Repeater

Portable Repeater Power Amplifier

- Can be customized
- Offer the car charger, easy to carry, can be used outdoor
- Easy to Expand your communication range to 10km
- Output Power: 10W
- LCD display



RETEVIS RT97

RT97 Portable Mobile UHF Analog Mode Repeater

Main Feature

- Customizable: The TX and RX frequencies can be customized
- Small size: Very small and easy to carry, you can use it outdoor.
- Car charger: Provide the car charger, you can use this repeater in your car.
- Multi-charger way: Not only provide the car charger, but also provide the DC12V~24V power. Very convenient.
- LCD display will help you know the TX and RX frequencies, CTCSS/DCS code.
- Simple and convenient installation, flexible operation.
- The use of antenna can be selected according to actual demand.
- 16 Channels
- Offset 10Mhz
- Output Power: 10W
- Can be programmed
- Weight: 2700g(with package)
- Package Size: 310x283x170mm

Specifications

Frequency Range	400-470MHz
Channel Capacity	16CH
Channel Spacing	±12.5KHz Narrow/±25kHz Wide
Operating Voltage	DC12V ~24V
Operating Temperature	-30°C~ +60°C
Frequency Stability	±2.5ppm
Antenna Impedance	50Ω
Dimension	260*210*70mm
Weight	1.66kg

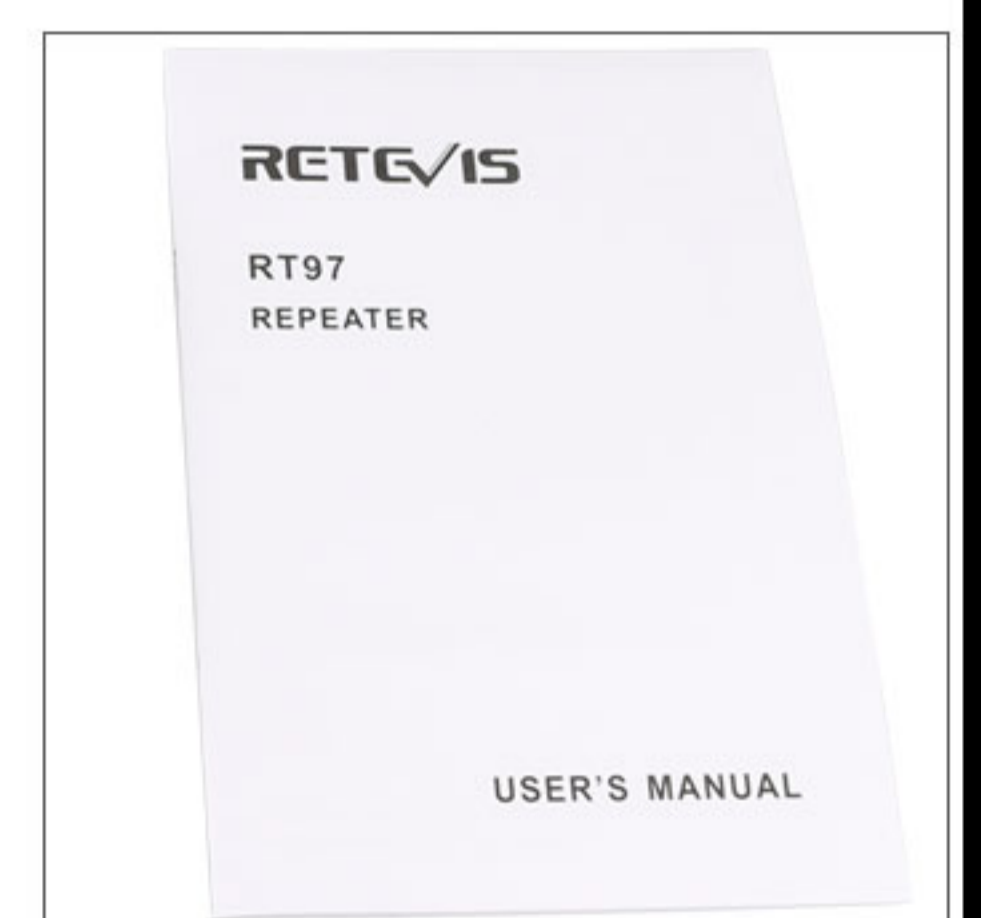
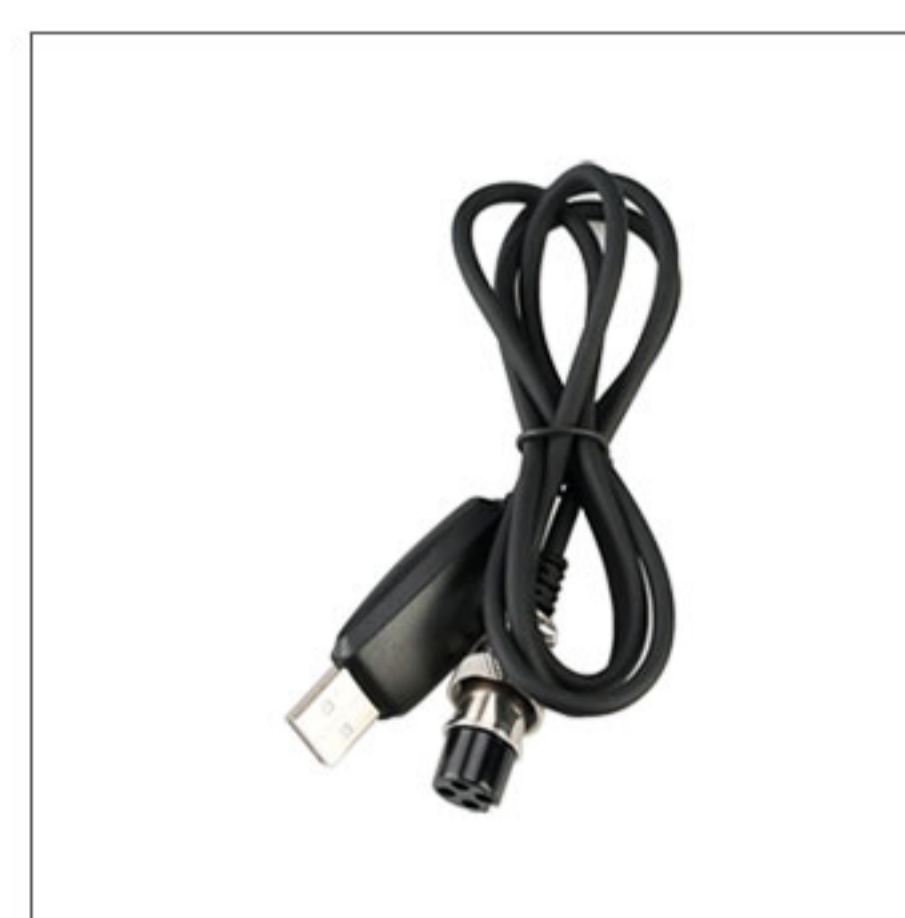
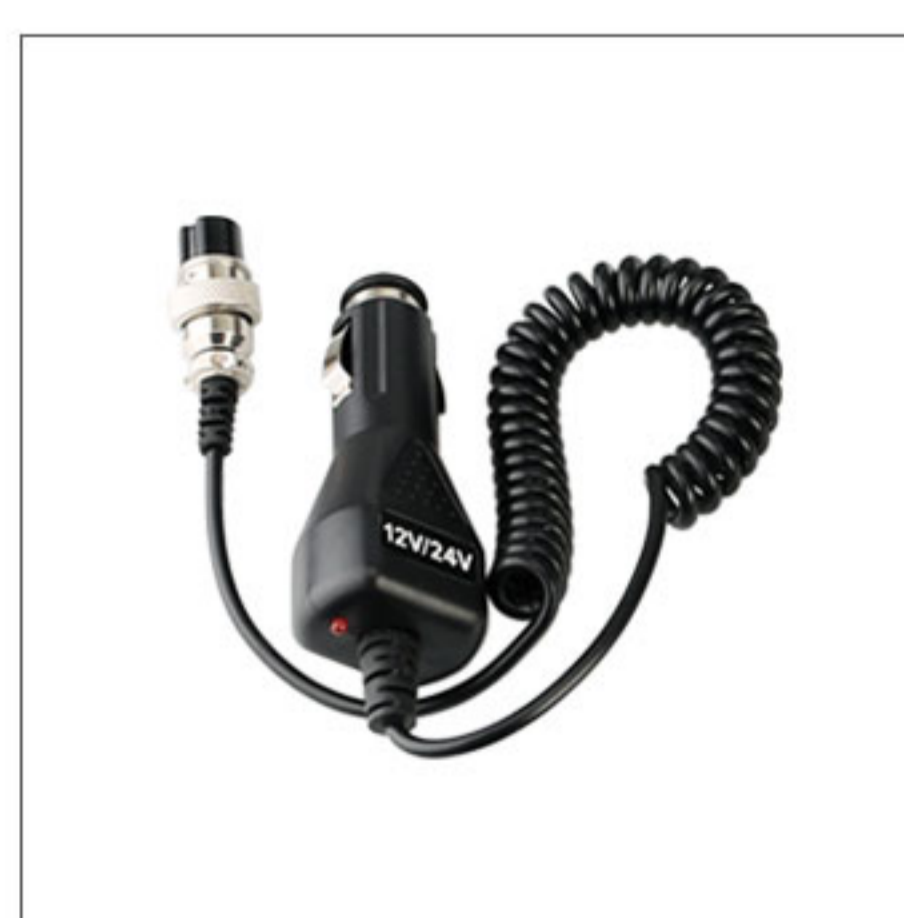
Transmitter

Intermediate Frequency	465MHz
Power Output	10W
Modulation	F3E
Spurious Emission	-60dB or less
Maximum Frequency Deviation	Wide: ±5kHz Narrow: ±2.5kHz
Audio Distortion	5% or less
FM Noise	Wide:≤45dB Narrow :≤40dB

Receiver

Intermediate Frequency	455MHz
Sensitivity(12dB SINAD)	0.2μV (Wide) 0.25μV (Narrow)
Squelch Sensitivity	0.15μV (Wide) 0.2μV (Narrow)
Adjacent Channel Selectivity	≥ 70dB (Wide) / ≥65dB (Narrow)
Intermodulation	≥ 55dB
Spurious Rejection	≥ 55dB
Image Rejection	≥ 55dB
FM Ham and Noise	≤-45dB(Wide) / ≤ -40dB(Narrow)
Modulation Type	F3E
Operating Bandwidth	≤±7KHz / ≤±5KHz
Audio Distortion	≤ 5%

Standard Accessories



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