

Specifications

General	
Frequency Range	UHF: 400-470MHz VHF:136-174MHz
Channel Capacity	16
Channel Capacity	25/20/12.5 kHz
Operating Voltage	13.6 ± 15% V DC
Current Drain	Standby
	Transmit
Frequency Stability	± 1ppm
Antenna Impedance	50Ω
Duty Cycle	100%
Dimensions (W×H×D)	483 X 88 X 366 mm
Weight	8.5 Kg
LCD Display	220X176 pixels; 262,000 colors
Receiver	
Sensitivity(Analog)	0.3 μ V (12dB SINAD)
	0.22 μ V (Typical) (12dB SINAD)
	0.4 μ V (20dB SINAD)
Sensitivity(Digital)	0.3 μ V/BER5%
Blocking	100dB
Adjacent Channel Selectivity	TIA-603
	ETSI
Intermodulation	TIA-603
	ETSI
Spurious Response Rejection	TIA-603
	ETSI
Hum and Noise	40dB @ 12.5 kHz
	43dB @ 20 kHz
	45dB @ 25 kHz
Rated Audio Power Output	0.5W
Audio Distortion	3%
Audio Response	+1 ~ -3 dB
Conducted Spurious Emission	-57 dBm

Transmitter	
RF Power Output	5-50W (Continuous)
FM Modulation	11K Φ F3E @ 12.5 kHz
	14K Φ F3E @ 20 kHz
	16K Φ F3E @ 25 kHz
4FSK Digital Modulation	12.5kHz Data Only: 7K6ΦFXD 12.5kHz Data & Voice: 7K6ΦFXW
Conducted/Radiated Emission	< -36dBm < 1GHz
	< -30dBm > 1GHz
Modulation Limiting	± 2.5kHz @ 12.5 kHz
	± 4.0 kHz @ 20 kHz
	± 5.0kHz @ 25 kHz
FM Hum and Noise	40dB @ 12.5 kHz
	43dB @ 20 kHz
	45dB @ 25 kHz
Adjacent Channel Power	60dB @ 12.5 kHz 70dB @ 20/25KHz
Audio Response	+1 ~ -3dB
Audio Distortion	3%
Digital Vocoder Type	AMBE++/SELP

Environmental Specifications	
Operating Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +85°C

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.



RD982

Powerful Digital Repeater

As a professional repeater built to the DMR standard, RD982 integrates user concerns and actual requirements. Powerful digital feature, remarkable service quality and considerate ergonomic design. It will refresh your communication experience!



- Smart A/D Detection, Smooth Migration
- Outstanding Reliability



Higher Efficiency
Richer Experience



Features >>

2RU

Standard 19" , 2RU rack-mount design, compatible with desktop housing as well

LED

Colored LEDs for clear status indication

Advanced heat sink design with thermal-controlled cooling fan



Ergonomics handle design makes handling more comfortable



Programmable buttons for customized application



2.0" TFT LCD and menu navigation knob to facilitate service and maintenance



Internal installation for mobile duplexer



Product Features >>



Smart Analog & Digital Auto Detection

This repeater supports digital and analog modes. It can smartly select the right one based on the type of received signal, allowing you to enjoy digital delights with ease.

Advanced TDMA Technology

The application of Time Division Multiple Access (TDMA) technology greatly enhances spectrum efficiency, which allows twice the user compared with that of traditional FDMA. Obviously, this can not only save your cost in infrastructure and frequency license, but also relieve the pressure of increasing shortage in spectrum resources.



Outstanding Reliability

- The repeater is capable of 100% duty cycle at full power (50W), meeting demanding requirements of any conventional or trunking system.
- As a modularized product built to military standard, the repeater can deliver solid reliability and remarkable performance for a long time.
- The unique heatsink design combining a built-in heat pipe and a temperature-controlled fan ensures quick heat dissipation, enabling the repeater to work normally even with full power.



Handy Management Service

With the management software, you can remotely monitor and diagnose a repeater. In addition, you can either record or play back the audio freely in digital mode.

Innovative LED Design

The innovative LED and the 2.0" HD color display would deliver you the repeater status clearly, as well as a pleasing visual experience.

Standard Accessories >>



DC Power Cable PWC11

Optional Accessories >>

