

DigiX

Max

Intro

The MAX REPEATER ENHANCER is a truly special piece of equipment outperforming duplex repeaters at a competitive cost.

Time again the MAX has been used for demanding situations for many customers where there is a requirement for immediate wide area communication in difficult environments.

The MAX can be used 240v or 12v and is now available as the MAX MANPACK with built in lithium battery giving many hours of use.



Features

Compact design, Easy installation

Built-in Power Supply (option)

2.0inch color IPS full View LCD display

Clear loud audio

Individual Call and Group Call supported

Tier-2 DMR standard of ETSI TS102-361

TIA/EIA-603C and MIL-STD-810 standard

1/10/20 Watts output power

Supports both Analogue and Digital DMR formats



Design and Manufacture

Specs

Frequency Range	400-470Mhz/470~512Mhz
Channel Spacing	Digital: 12.5/6.25 KHz; Analog:12.5/25.0KHz
Working Voltage	DC 13.8V;AC 100~240V
Working Temperature	-30°C~+60°C
Weight	3.2Kg
Dimensions: H*W*D(mm)	282*241*56 mm

Transmitter

Frequency stability	≤ 2.5 ppm
Transmitting Power	1/10/20W
Adjacent Channel Power	± 12.5 kHz: ≤ -60 dB, ± 25 kHz: ≤ -70 dB
Transient Switchover Adjacent Channel Power	± 12.5 kHz: ≤ -50 dB, ± 25 kHz: ≤ -60 dB
Digital Modulation	4FSK
4FSK Digital Modulation	Date 7K60FXD, Date Plus Voice 7K60FXW
Digital Speech Encoder	AMBE+2™
Digital transmit error rate	$\leq 1.5\%$

Receiver

Digital Sensitivity (BER5%)	≤ 0.225 uV
Analogue sensitivity	0.225uV(12dB SINAD)
Adjacent Channel Selectivity	≥ 60 dB/12.5KHz, ≥ 70 dB/25KHz
Intermodulation	≥ 65 dB
Spurious suppression	≥ 70 dB
FM noise	-40dB@<12.5kHz, -45dB@>25kHz
Frequency response	+1/-3dB
Audio Distortion	3%(typical)
Rated audio Power	3.0W (speaker)

Contact us today

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