

DigiX

Neo

Intro

Another of our bestselling heavy duty and compact DMR Digital/Analogue radios the NEO is professional with an IP rating of IP67 which provides for a reliable radio in demanding environments. The NEO is a high power portable allowing for a maximum range provided across many demanding sites.

A wide choice of accessories and charger options are available off the shelf for immediate delivery.



Features

Compatible with DMR Tier1 & Tier2

Analogue and Digital dual mode combined

TDMA 12.5KHz dual time slot technology

Voice Announcement

Compatible with digital protocol
ETSI TS 102 361-1,-2,-3

Up to 1000 channels

Emergency caller

Caller Identification

Remote monitor

IP67 Water and Dust Protection

High Capacity Lithium Battery

Up to 18 hours use



Design and Manufacture

Specs

Frequency Range	400-470Mhz/136-174Mhz
Channel Capacity	32
Channel Spacing	Digital: 12.5KHz; Analog:12.5KHz/25Khz
Working Voltage	DC 7.4V
Working Temperature	-20°C - +50°C
Storage Temperature	-40°C - +80°C
Weight	220g(include Li-ion battery)
Dimensions:H*W*D(mm)	114*57*39mm
Waterproof Level	IP67

Transmitter

Frequency stability	±2.5ppm
Transmitting Power	≤5W
FM noise	40dB@12.5KHz
Transmit spurious radiation	-36dBm@<1GHz;-30dBm@>1GHz
Ajacent Channel Power	-60dB@12.5Khz
4FSK digital Modulation	12.5Khz(date only):7K60FXD; 12.5Khz(date + voice):7K60FXE
FM Modulation Mode	12.5Khz:11K0F3E
Modulation Limiting	2.5KHz/12.5KHz
Free time slot power	-57dBm
Modulation Charateristics	+1dB - -3dB
Digital transmit error rate	≤3%

Receiver

Channel Spacing	12.5Khz
Frequency Stability	±1.0ppm
Anolog Sensitivity	0.35uV/-116dBm(20 dB SINAD) 0.22uV/-120dBm(Type)
Digital Sensitivity	0.3uV/-117dBm(BER5%) 0.7uV/-110dBm(BER 1%)
Intermodulation	TIA603C:70dB ETSI:65dB
Ajacent Channel Sensitivity	TIA603C:65dB@12.5Khz ESTI:60dB@12.5Khz
Co-Channel rejection	12dB@12.5Khz
Spurious Response rejection	TIA603C:75dB ETSI:70dB
Conducted Spurious emission	-57dBm@<1GHz,-47dBm@1GHz
Bloking	84dB
Rated Audio Power	1W

Accessories



Antenna



Lithium Battery



Belt Clip



Charger



Strap

Contact us today

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nrcradio.co.uk

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