

DigiX

Alpha Mobile Radio

Intro

A professional heavy duty DMR Digital radio fully featured with adjustable high/low power. The ALPHA is compatible with all other DMR radio equipment which includes the full selection of DigiX, Motorola, Kenwood and Hytera products.

The ALPHA can be used as a mobile vehicle radio or as a desk unit with the addition of a simple antenna and power supply.



Features

TDMA DMR technology

1600 channels 100 zones

2.0' large LCD display

Selective calling or group calling

Remote monitor

Radio check

Caller ID

Phone dial by DTMF via DigiX Bravo repeater

Roaming

GPS (optional)

Emergency calling



Design and Manufacture

Specs

Frequency Range	VHF : 136~174Mhz UHF:350~390Mhz/400-470Mhz
Channel capacity	1600 channels (100zones)
Channel Spacing	Digital: 12.5/6.25 KHz; Analog:12.5/25.0KHz
Working Voltage	13.8VDC±15%
Working Temperature	-25°C~+60°C
Frequency Stability	±2.5ppm
Antenna Impedance	50Ω
Microphone Impedance	2.2KΩ
Voltage	DC10.8V-15.8V
Weight	1122.7g
Dimensions:H*W*D(mm)	166*157*56mm

Transmitter

Frequency stability	±2.5ppm
Transmitting Power	5/25W
Digital Vocoder Type	AMBE++
4FSK Digital Modulation	12.5kHz data:7K60FXD 12.5kHz data and Voice 7K60FXE
Harmonic	≥70dB
Max. Frequency Deviation	≤5kHz@25kHz ≤2.5kHz@12.5kHz

Receiver

Digital Sensitivity	≤0.22uV(BER5%)
Analogue Sensitivity	≤0.22uV(12dB SINAD)@25kHz ≤0.25uV(12dB SINAD)@12.5kHz
SNR(Signal-To-Noise Ratio)	≥45dB@25kHz ≥40dB@12.5kHz
Adjacent Channel Selectivity	≥70dB@25kHz ≥60dB@12.5kHz
Intermodulation	≥70dB@25kHz ≥60dB@12.5kHz
Spurious Response Rejection	≥ 65dB
Audio output Power	≥3000mW
Rated Audio Distortion	≤5%

Contact us today

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