PROJECT TELECOM

UNIFYING COMMUNICATIONS

Advanced Long Range Two Way Radio

Main Features

The Project Telecom Advanced Long-Range Radio is a professional digital radio which is portable, reliable, and safe. Its ergonomic design makes it easy to carry and conceal.

Dual Modes – Analog and Digital

The Project Telecom Advanced Long-Range Radio can operate in either analog or digital mode.
It is compatible with the prevalent analog system, ensuring a smooth analog to digital transition.

Maximum Range and Efficiency

The Project Telecom Advanced Long-Range Radio adopts TDMA Technology which ensures high-efficient frequency coverage and control mode of the RF power.

The battery can last up to 40% longer in Digital Mode.

Crisp Voice and Clear Audio

The Project Telecom Advanced Long-Range Radio adopts digital technologies which effectively control background noises and squelch during voice transmission so that it can transmit the best quality voice audio.

Secure Communication

The Project Telecom Advanced Long-Range Radio can control the selection of RX Contact or RX Group of voice in digital mode. Every The Project Telecom Advanced Long-Range Radio has a unique ID which enables users to do one-to-one conversation which will not be received by others. It also supports digital voice encryption in digital mode.

Standard Accessories					
Antenna	Battery	Charge Adapter	Desktop Charger	Belt Clip	Hand Strap
Optional Accessories					
Earphone	Remote Microphone	Programming Cable	Clone Cable		

FEATURES

- VOX
- Voice Prompts
- Channel Scan
- Emergency Alarm
- Programmble Keys
- TOT (Time Out Time)
- 1600mAh Capacity
- Upgradeable Software
- Dual Mode - Analog and Digital
- Signalling: DTMF Encode QT/DQT
- Voice Call Types: Private Call, Group Call and All Call
- Radio Disable, Radio Enable, One Touch Call, Remote Monitor

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Specifications

General

Frequency Range	VHF: 136~174MHz UHF: 400-470MHz;450-520MHz
Channel Capacity	1024(64 Zones×16 Channels)
Channel Spacing	25kHz/12.5kHz
Frequency Stability	±1.5ppm
Operating Temperature	-25℃~+55℃
Antenna Impedance	50Ω
Operating Voltage	7.5V
Dimensions (H×W×D)	105×60×35mm
Weight (With Antenna & Battery)	225g
Battery	1600mAh

Receiver

Sensitivity	Analog SINAD: 0.22μV/ Digital 5%BER: 0.22μV
Adjacent Channel Selectivity	60dB@12.5kHz/70dB@25kHz
Intermodulation	65dB
Spurious Response Rejection	70dB
Hum and Noise	-40dB@12.5kHz/-45dB@25kHz
Conducted Spurious Emission	≤-57dBm
Audio Response	+1~-3dB
Audio Power	0.6W

Transmitter

RF Power	UHF High Power:4W / Low Power:1W VHF High Power:5W / Low Power:1W
Modulation Limiting	≤2.5kHz@12.5kHz/≤5.0kHz@25kHz
Conducted/Radiated Emission	≤-36dBm(<1GHz)/-30dBm(>1GHz)
Adjacent Channel Power	60dB@12.5kHz/70dB@25kHz
Audio Response	+1~-3dB
Audio Distortion	≤3%
Frequency Stability	±1.5ppm
FM Modulation	25kHz:16KΦF3E / 12.5kHz:11KΦF3E
4FSK Digital Modulation	12.5kHz Data: 7K60F1D and 7K60FXD 12.5kHz Voice: 7K60F1E and 7K60FXE 12.5kHz Voice & Data: 7K60F1W
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSI TS 102 361-1,-2,-3

All specifications are tested according to applicable standards and subject to changes without notice due to continuous development.