

OVERVIEW

With strong anti-interference, this efficient mobile radio works in different modes, including DMR Tier III trunking, MPT1327, DMR and analog conventional, ensuring its interoperability with the legacy analog networks. Operated on a desktop or mounted in a vehicle, its flexible design enables great performance through its simple operation via the handheld microphone, making it an ideal solution for public security, rescue, utilities, etc.

HIGHLIGHTS AND BENEFITS



Enhanced Communication Efficiency

- Incorporating ground-breaking full-duplex call technology to allow simultaneous two-way voice calls, which facilitates crucial information exchange, makes sure the voice call gets through even in peak traffic.
- DMR Trunking Mode enables access to a pool of radio channels, which are dynamically allocated to users when required.
- Support different trunking modes, including DMR digital trunking and MPT1327 analog trunking, and can access to the standard trunking that users have built. Users can choose different trunking mode according to their needs.



Multi Functions for Personnel Protection

- Covert Mode, hide whereabouts in crisis
- Lone worker
- Emergency alarm



Both Aesthetic, Professional and Ergonomic Mobile Radio Design

2.0" high definition (320*240) IPS display, readable in all lighting conditions. Remote mounted head support to suitable for actual mobile situations.



Advanced Encryption to Ensure Information Security

- The RC4& AES256 encryption technology
- TF card encryption

Data Services

Status messaging (in TMO & DMO)
SDS messaging (in TMO & DMO)
ARC4& AES25, TF card Encryptions

General Performance

2.8" IPS display
IP54 Protection
2W power speaker

Security Services

- Emergency call alarm
- Lone-Worker feature
- Covert mode
- Analog alarm

Voice Services

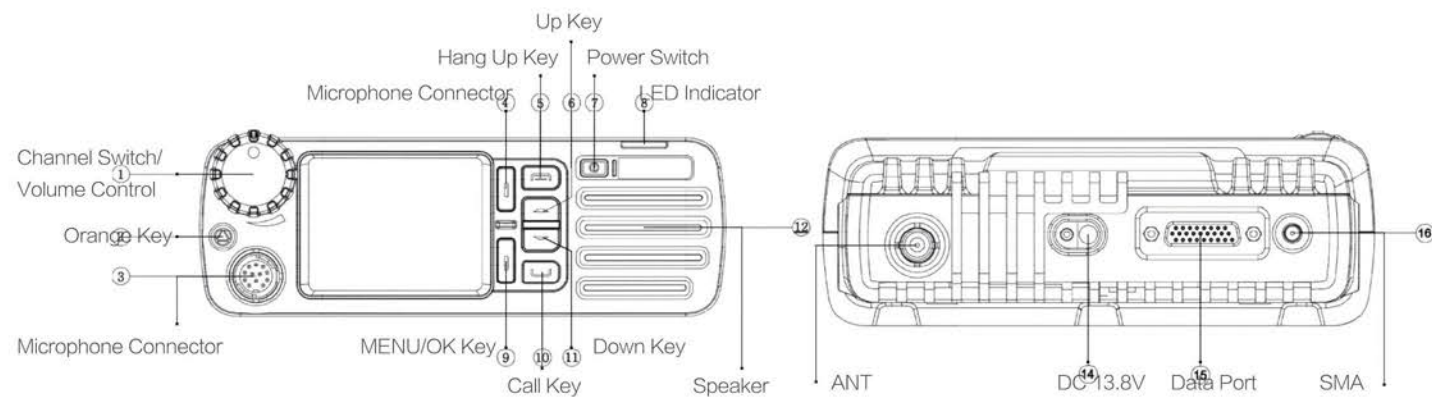
- Full duplex call
- DMR virtual trunk
- MPT1327 analog trunk

Applications

- Bluetooth 4.0, Bluetooth headset
- Intimate functions like stopwatch, alarm clock, calendar, etc.
- Keyboard lock
- Automatic roaming
- GPS Positioning

SPECIFICATION

General	
Frequency Range	UHF:350-400/400-470/450-520MHz
Channel Capacity	1024
Zones	64
Channel Spacing	12.5KHz / 25KHz
Antenna Impedance	50Ω
Operating Voltage	DC13.8V (±20%)
Size	180(L)x199(W)x63(H)mm
Weight	1.5kg
LCD Display	2.0" IPS 240*320 pixels
Vocoder	AMBE++/NVOC
Transmitter	
Output Power	High Power:45W/25W Middle Power: 10W Low Power: 5W
Frequency Stability	±0.5ppm
4FSK Modulation	12.5KHz (data only): 7K60FXD; 12.5KHz (data and voice): 7K60FXE
FM Modulation	12.5KHz: 8K50F3E; 25KHz: 16KΦF3E
Modulation Limitation	+/-2.5KHz @ 12.5KHz; +/-5KHz @ 25KHz
FM Noise	-40dB
Spurious Emission	-36 dBm≤1GHz; -30 dBm≥1GHz
Adjacent Channel Power	≤-60dB
Audio Response	+1/-3dB
Audio Distortion	≤3%
Receiver	
Digital Sensitivity	5% BER: 0.22 uV
Analog Sensitivity	0.22uV(12 dB SINAD)
Intermodulation	65dB
Adjacent Channel Selectivity	60dB
Spurious Emission	70dB
FM Noise	-40dB
Audio Response	+1/-3 dB
Rated Audio Power Output	3W
Audio Distortion	3%(typical)
Conduction Radiation	-57dBm
Environmental	
Working Temperature	-30℃——+60℃
Storage Temperature	-40℃——+85℃
Humidity Protection	MIL-STD-810C/D/E/F
Shock and Vibration	MIL-STD-810C/D/E/F
GPS	
Horizontal Accuracy	10m
TTFF (Time to First Fix) Cold Start	30s
TTFF (Time to First Fix) Hot Start	10s



STANDARD ACCESSORIES



OPTIONAL ACCESSORIES



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Communication
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BF-TM950

DMR Tier III Trunking Mobile Radio

- Enhanced Communication Efficiency
- Professional Industrial Design
- Enhanced User Safety
- Safety Services
- General Performance



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