



TM-1000

Multi-function professional mobile radio



- 5W/25W/50W(60W) Transmit Power
- 512 channels, 64 zones
- Remote kill/Stun/Revive
- PTT ID Encode/Decode
- Support DTMF, 2-Tone, 5-Tone, QDC1200 (compatible with MDC 1200)
- Development interface saved for GPS and Voice Encryption
- Remote Control Mic option



TM-1000 is a new communication system of HQT, which is designed by the latest technology and craftsmanship. With proper care, TM-1000 can provide years of trouble-free operation. Compared to traditional two-way radio, TM-1000 has a bigger transmit power and it, therefore, has a bigger cover range. It can be installed indoors, on cars or somewhere which is necessary.

Main Features

5W/25W/50W(60W) Transmit Power

Users can talk in a large range, with such transmit power.

512 Channels Capacity

512 channels can full fill users' requirements and make the communication between different groups of people much easier.

Remote Kill/Stun/Revive

TM-1000 provides enhanced security to stop unauthorized user by remote inhibition of either transmit or transmit and receive. The inhibited radios will return to normal operation when receiving a release signal.

PTT ID Encode/Decode

TM-1000 provides 5 signaling to encode/decode identification of radio to control center or partners through this function. It simplifies the way of communication and management.

Main Functions

Remote Kill/Stun/Revive

TM-1000 provides enhanced security to stop unauthorized user by remote inhibition of either transmit or both transmit and receive. The inhibited radios will return to normal operation when receiving a revive signal.

Text

TM-1000 also allows users to text through the mobile radio.

Built-in Scrambler

Maintaining private and secure communications is increasingly important, with potentially sensitive information behind. The TM-1000 scrambler feature provides enhanced security for users' important public safety and private security communications.

Horn Alert

Upon receiving DTMF, 2-Tone, 5-Tone, or QDC1200 signaling, the TM-1000 mobile radio can remote control other electronic equipments on vehicle.

Squelch Tail Elimination

The function will minimize the annoying audio outputs that occur at the end of receiver during a transmission.

Working Alone

In order to make sure that users can be safe while working alone, users can set a limited period by software. The radio will alarm automatically if the offset timing is over. Users can press the safe key to stop alarming.

Emergency Alert

In case of emergencies or accidents, this feature allows users to transmit signals discreetly to the control center or a pre-defined person for emergency help

CTCSS/CDCSS

Users can select CTCSS/CDCSS codes via the programmed function key. Each users' setting can be assigned with a customized name for convenient operation.

Other functions

Various Emergency Alert, Group/Single Call, Voice Encryption, TOT etc.

Application

Public Traffic

TM-1000 can effectively ensure users' communication clear and accurate. PTT ID function simplifies the communication between speakers and management center. Management center can get who is speaking with and where is the speaker, and then start arranging directly. It does save lots of time especially for emergency situations.

Traveling

It is necessary to keep in touch with each other when a group of people go out for outdoor explore or activity. Keeping in touch can not only ensure every member safety but also let every one knows if there are any changes to the schedule, especially when users are driving.

Public Security

TM-1000 can ensure users communication privacy and personal safety with remote kill/stun/release and voice encryption. With these protections, public guards arrangement and leaders schedule can be kept in secret.

General

Frequency Range	UHF: 400 ~ 470 MHz ; 450 ~ 520 MHz VHF: 136 ~ 174 Mhz
Channel Capacity	512
Zone Capacity	64
Channel Spacing	12.5 KHz/ 25 KHz
Operating Voltage	13.8V DC
Current Drain	Standby <300 mA Receive <1.5A Transmit <8A
Frequency Stability	±2.5 ppm
Operating Temperature	-25 ~ 55 C
Antenna Impedance	50 Ω
Dimensions (W×H×D)	172×151×40 mm
Weight	1000g

Transmitter

RF Power Output	5W/25W/50W(60W)
Modulation	16K Φ F3E/8 K Φ F3E
Spurious and Harmonics	-36dBm ≤ 1GHz -30dBm ≥ 1GHz
FM Noise	40 dB/ 35 dB
Audio Distortion	≤ 5%

Receiver

Sensitivity	0.22 μ V/ 0.25 μ V
Selectivity	70 dB/ 60 dB
Intermodulation	≥65dB
Spurious Response Rejection	≥70 dB
S/N	40 dB / 35 dB
Internal Audio Power Output (Rated)	4W
External Audio Power Output (Rated)	10W

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