

Specifications

General	
Frequency Range	VHF:136-174MHz UHF:400-450 MHz 450-500 MHz
Channel Capacity	128
Zone Capacity	16
Channel Spacing	25/20/12.5KHz
Operating Voltage	13.6V DC ±15%
Current Drain	Standby: 0.5A Receive: <2.0A Transmit: <5A (5W) /<8A (25W)
Frequency Stability	±2.5ppm
Operating Temperature	-30°C ~+60°C
Antenna Impedance	50 Ω
Dimensions (LX WX H)	125 X 152 X 43 (mm)
Weight	1.0kg

Receiver	TM-610	Transmitter	TM-610
Sensitivity	0.28/0.33/0.35i V	RF Power Output	5W/25W
Selectivity	75/70/65dB	Modulation	16KÖF3E/11KÖF3E
Intermodulation	70/70/65dB	Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
Spurious Response Rejection	70dB	FM Noise	>45dB (25/20KHz) >40dB (12.5KHz)
S/N (wide/narrow)	>45dB (25/20KHz) >40dB (12.5KHz)	Audio Distortion	≤3%
Internal Audio	5W (less than 5% distortion)		
Power Output(Rated)	3W (less than 3% distortion)		
External Audio	13W (less than 5% distortion)		
Power Output(Rated)	12W (less than 3% distortion)		

Applicable MIL-STD-810C/D/E/F

Standard:	MIL 810 C Methods/ Procedures	MIL 810 DMethods/ Procedures	MIL 810 EMethods/ Procedures	MIL 810 FMethods/ Procedures
Low Pressure	500.1/I	500.2/I.II	500.3/I.II	500.4/I
High Temperature	501.1/I.II	501.2/I.II	501.3/I.II	501.4/I.II
Low Temperature	502.1/I	502.2/I.II	502.3/I.II	502.4/I.II
Solar Radiation	505.1/I	505.2 /I	505.3/I	505.4/I.II
Rain	506.1/II	506.2/II	506.3/II	506.4/III
Humidity	507.1.II	507.2/II.III	507.3/II.III	507.4/I
Salt Fog	509.1/I	509.2/I	509.3/I	509.4/I
Dust	510.1.I	510.2 /I	510.3/I	510.4/I
Vibration	514.2/VIII.X	514.3/ I	514.4/I	514.5/I
Shock	516.2/I.II.V	516.3/I.IV	516.4/I.IV	516.5/I



ISO9001:2000 Certificate NO:FM 61540



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Cost Effective Professional Mobile Radio

Conventional Mobile Radio



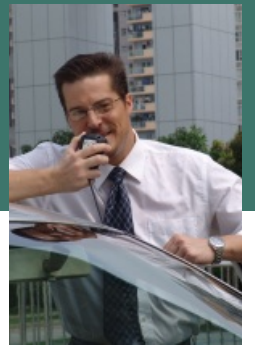
TM-610

- WIDE-BAND COVERAGE
- POWERFUL AUDIO
- BUILT-IN SCRAMBLER
- VERSATILE SIGNALLINGS
- PASSWORD PROTECTION



TM-610

Cost Effective Professional Mobile Radio



The high-performance, yet simple-to-use TM-610 mobile is created to give you the immediate, reliable communication you need to keep mobile teams working efficiently. HYT's voice compander audio enhancement and a powerful 5W internal or 13W external speaker ensure superb clear, crisp sound, even in noisy environments. Its compact design makes the mobile ideal when mounting space is constraint.



Super Features

WIDE-BAND COVERAGE

Wide-band coverage includes: VHF: 136-174 MHz, UHF: 400-450 MHz, 450-500 MHz, users have the flexibility to select their frequency for use in their respective work environment.

POWERFUL AUDIO

HYT's voice compander audio enhancement and a powerful 5W internal or 13W external speaker ensure superb clear, crisp sound, even in noisy environments.

BUILT-IN SCRAMBLER

Maintaining private and secure communications is increasingly important, with potentially sensitive information flowing back and forth. The TM-610's scrambler feature provides enhanced security for your important public safety and private security communications.

VERSATILE SIGNALINGS

The TM-610 mobile is packed with a full range of signalling capabilities, including CTCSS, CDCSS, DTMF Encode, 2-Tone, 5-Tone *, HYT exclusive HDC2400™ * & HDC1200™ * signalling, and data transmission * can be achieved.

PASSWORD PROTECTION

The radio offers reading password to both protect the privacy and prevent unauthorized cloning of radio data.

Note: Due to continuous technology development, the functions marked with an asterisk will be achieved later.

Main features

● 128 Channels and Dynamic Regrouping

High 128-channel operating capacity on the TM-610 enables the mobiles to accommodate a vast number of users and work groups concurrently. Each zone or channel can be assigned with a customized name for easy identification. Dynamic regrouping provides greater flexibility in organising different work groups.

● Public Address (PA)

The PA feature feeds MIC audio through a powerful external PA amplifier, and outputs through external speaker, offering robust audio clarity in harsh, noisy environments.

● Large 15-Segment LCD

Users may toggle the user friendly display among channel number/alias, zone number/alias, frequency, DTMF dial number, function settings, etc. The keypad and display illuminations also provide the visibility to operate your radio in the dark.

● Wired Clone/MSK Wireless Clone

Allows users to duplicate one radio's operating parameters into another mobile, enables improved efficiency and time saving.

● 6 Programmable Functions Keys

Provides immediate, easy access to your favorite features.

● Versatile Scan

Two scan modes are available: single zone scan and multiple zone scan. Achievable functions include add/delete scan channel, temporarily delete nuisance channel, and user selectable priority channel.

● UST (User Selectable Tone)

User can select CTCSS/CDCSS codes via the programmed function key. Each stored UST code can be assigned with a customized name for convenient operation.

● Built-in Modem *

The built-in 1200/2400bps MSK modulator offers data transmission function.

● DTMF Function

DTMF flexible dialing: manual dial, redial, short number dial, and auto-dial; maximum 32 groups of DTMF encode can be pre-stored and assigned with a customized name.

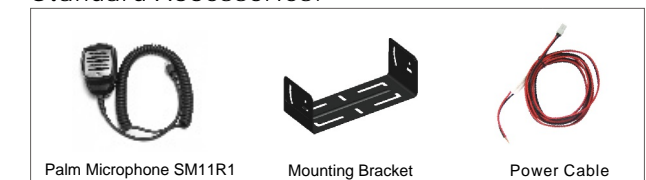
● Emergency Alarm

While emergency or accident occurs, press the Emergency button to transmit discreetly signals to the dispatcher or a pre-defined person for emergency help, enables improved security and safety.

Other Features:

- PC Programming
- Dual Home Channels
- Ignition Sense, Timed Power Off
- Auto Transpond
- TOT (Time-out Timer)
- Busy Channel Lockout (BCL) / BCL Override
- BOT ID/EOT ID
- Off-Hook Decode
- SQL (Selectable Squelch Level)
- Frequency Reverse
- Talk Around

Standard Accessories:



Optional Accessories:

