



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

Applicable MIL-STD	810C		810D		810E		810F	
	Methods	Procedures	Methods	Procedures	Methods	Procedures	Methods	Procedures
Low Pressure	500.1	1	500.2	1,2	500.3	1,2	500.4	1
High Temperature	501.1	1,2	501.2	1,2	501.3	1,2	501.4	1,2
Low Temperature	502.1	1	502.2	1,2	502.3	1,2	502.4	1,2
Temp. Shock	503.1	1	503.2	1	503.3	1	503.4	1
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1,2
Rain	506.1	2	506.2	2	506.3	2	506.4	1,2
Humidity	507.1	2	507.2	2,3	507.3	2,3	507.4	1
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	1
Dust	510.1	1	510.2	1	510.3	1	510.4	1
Vibration	514.2	8,10	514.3	1	514.4	1	514.5	1
Shock	516.2	1,2,5	516.3	1,4	516.4	1,4	516.5	1,4

Note: Due to continuous technology development, the functions marked with an asterisk will be achieved later. Applicable Military Standards 810C/D/E/F

General

Frequency Range	VHF: 136-174 Mhz UHF: 400-450 MHz 450-500 MHz	
Channel Capacity	8 (TM-600) 128 (TM-610)	
Zone Capacity	16 (TM-610)	
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	± 2.5 ppm	
Operating Temperature	-30 °C ~ +60 °C	
Antenna Impedance	50 Ω	
Dimensions (L×W×H)	125mm × 152mm × 43mm	
Weight	1Kg	

Transmitter

RF Power Output	5W/25W
Modulation	16K Φ F3E/11K Φ F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	>40dB(25/20KHz) >45dB(12.5KHz)
Audio Distortion	≤ 3%

All Specifications are tested according to TIA/EIA-603, and subject to change without notice due to continuous development.

Receiver

Sensitivity	0.28/0.33/0.35 μ V
Selectivity	75/70/65dB
Intermodulation	70/70/65dB
Spurious Response Rejection	70dB
S/N(wide/narrow)	>45dB (25/20KHz) >40dB (12.5KHz)
Internal Audio Power Output(Rated)	5W (less than 5% distortion) 3W (less than 3% distortion)
External Audio Power Output(Rated)	13W (less than 5% distortion) 12W (less than 3% distortion)



ISO9001:2000 Certificate NO:FM 61540

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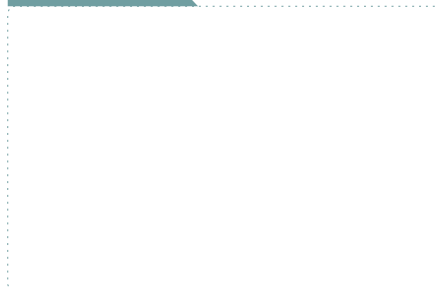
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Cost Effective Professional Mobile Radio

Conventional Mobile Radio



TM-600/610



- Wide-Band Coverage
- Powerful Audio
- Built-in Scrambler
- Versatile Signallings
- Password Protection

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TM-600/610

Cost Effective Professional Mobile Radio



The high-performance, yet simple-to-use TM-600/610 mobile are 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-600 / 610's scrambler feature provides enhanced security for your important public safety and private security communications.
- Versatile Signallings**
 The TM-600 / 610 mobile are packed with a full range of signalling capabilities, including CTCSS, CDCSS, DTMF Encode, 2-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.



128 Channels and Dynamic Regrouping (TM-610)

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 (TM-610)

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.

8-Segment Numeric LED (TM-600)

The numeric LED helps make information such as channel number and scanning indication, easy to understand at a glance. The scan and transmit power indicators also provide the visibility to operate your radio in the darkness.

6 (TM-610) / 4 (TM-600)

Programmable Backlight Keys

Provides immediate, easy access to your favorite features.

Versatile Scan (TM-610)

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.

Scan (TM-600)

Radio scan includes features such as Nuisance Channel Delete, Priority Channel Scan, Priority Channel setting, etc.

Wired Clone/MSK Wireless Clone

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

UST (User Selectable Tone)

User can select CTCSS/CDCSS codes via the programmed function key.

DTMF Function

DTMF flexible dialing: manual dial, redial, short number dial, and auto-dial; for TM-610, maximum 32 groups of DTMF encode can be pre-stored and assigned with a customized name; for TM-600, maximum 9 groups of DTMF encode can be stored.

Built-in Modem *

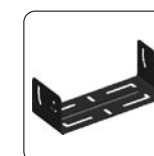
The built-in 1200/2400bps MSK modulator offers data transmission function.

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.



Palm Microphone SM11R1



Mounting Bracket



Power Cable

Standard Accessories

Optional Accessories



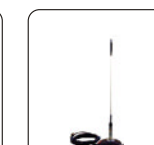
Keypad Microphone SM07R1



Cloning Cable CP06



Programming Cable PC06



Mobile Antenna

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

Main Features