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

Applicable MIL-STD	810C Methods	Procedures	810D Methods	Procedures	810E Methods	Procedures	810F 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	1,2	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

General

Frequency Range	VHF: 136-174 MHz UHF: 400-470 MHz 450-500 Mhz 470-520 Mhz 350-400 Mhz
Channel Capacity	8 (TM-600) 128 (TM-610)
Zone Capacity	16 (TM-610)
Channel Spacing	12.5/20/25 KHz
Operating Voltage	13.6V DC $\pm$15%
Current Drain — Standby	0.5A
Current Drain — Receive	<2.0A
Current Drain — Transmit	<5A(5W)/<8A (25W)
Frequency Stability	$\pm$2.5 ppm
Operating Temperature	-30℃~+60℃
Antenna Impedance	50 Ω
Dimensions (L×W×H)	4.92 in. X 5.98 in. X 1.69 in.
Weight	2.20 lbs.

Transmitter

RF Power Output	5W/25W
Modulation	16KΦF3E/11KΦF3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	>45dB(25/20KHz) >40dB(12.5KHz)
Audio Distortion	≤3%

Receiver

Sensitivity	0.28/0.33/0.35 μV
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)

Type Acceptance

FCC	TM-610	R74TM-610V; R74TM-610U1; R74TM-610U2
FCC	TM-600	R74TM-600V; R74TM-600U1; R74TM-600U2
IC	TM-610	5465A-TM610V; 5465A-TM610U1; 5465A-TM610U2
IC	TM-600	5465A-TM600V; 5465A-TM600U1; 5465A-TM600U2

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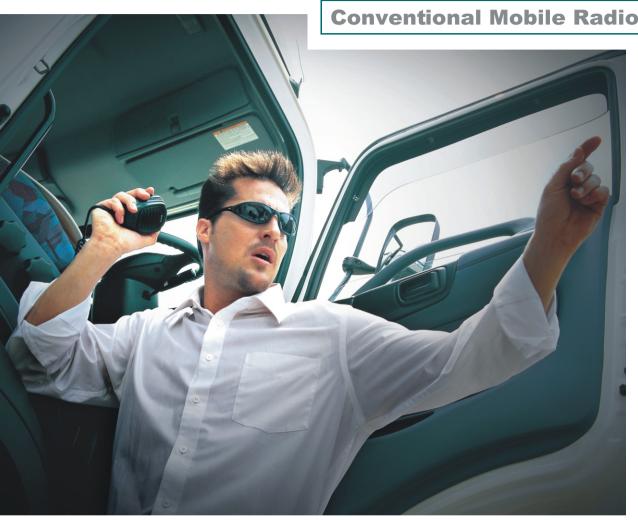
HYT America, Inc.

Your Local Dealer

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AMERICA, INC.

Cost Effective Professional Mobile Radio
Conventional Mobile Radio

TM-600 and TM-610

▼TM-610

145.55000
P1 P2 P3 P4

- Compact Design
- Wide-Band Coverage
- Powerful Audio
- Built-in Scrambler
- Versatile Signallings
- Password Protection
- 8 Channels (TM-600) or 128 Channels/16 Zones (TM-610)

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TM-600 and TM-610

▼TM-600

The high-performance, yet simple-to-use TM-600 and TM-610 mobiles 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. It's compact design makes these radios ideal when mounting space is a constraint.

COST EFFECTIVE
PROFESSIONAL MOBILE RADIO

Super Features

Compact Design

These compact mobile radios are ideal for mounting when space is limited.

Wide-Band Coverage

These radios provide wide band capability for users requiring a large range of frequencies. VHF is 136-174 MHz and UHF is 400-470 MHz and 450-500 MHz.

Powerful Audio

HYT's voice compander audio enhancement and a powerful 5W internal or 13W external speaker will provide 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 scrambler feature provides enhanced security for your important and private communications.

Versatile Signallings

The TM-600 and TM-610 mobiles are packed with a full range of signalling capabilities, including CTCSS, CDCSS, DTMF Encode, 2-Tone, HYT exclusive HDC2400™ & compatible with MDC1200* signaling

Password Protection

These radios have an internal password that helps protect the radio information and also helps to prevent unauthorized cloning of the radio.

128 Channels (TM-610)

The 128 channel and zoning capability of the TM-610 offers flexibility in organizing work groups. Each channel and zone can be assigned a user friendly name for easy identification. Dynamic zoning offers flexibility in a changing work group environment.

Main Features

Public Address (PA)

The public address feature feeds microphone audio through a powerful PA amplifier to the external speaker, offering robust, out of vehicle audio clarity.

Large 15-Segment LCD Display (TM-610)

Users may toggle the display to channels or zones, auto dial numbers or other functional settings. The keypad and display illuminate to provide visibility for night time operation.

8-Segment Numeric LED (TM-600)

The numeric 8 segment display indicates the channel of operation. LEDs also indicate channel scan and transmit power operation.

6 / 4 Programmable Backlit Keys

Provides immediate, easy access to your most often used features.

Versatile Scan (TM-610)

The TM-610 scan allows for single or multiple zone scanning. Scanning features include add / delete scan channels, nuisance channel delete and user selectable priority channel.

Radio Scan (TM-600)

The TM-600 scan offers priority channel scanning with nuisance channel delete and priority channel definition.

Wired Cloning / MSK Wireless Cloning

Allows users to quickly and easily duplicate one radio's parameters into another radio.

UST (User Selectable Tone)

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

DTMF Function

The DTMF calling function offers flexible dialing procedures of alias dialing, auto dial and redial as well as manual dialing. Customized, user friendly number storage can be used for your most often called numbers.

Emergency Alarm

The emergency button allows for a transmission of a signal indicating an emergency situation.

*Due to continuous technology development, functions with a * mark contained in this catalog will be achieved by HYT in the future.*

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

TM-600 and TM-610
Conventional Mobile Radio

Accessories

Standard Accessories

Palm Microphone

Mounting Bracket BRK04

Power Cable

Fuse P0A08

Screws for Microphone Hanger

Microphone Hanger

Optional Accessories

Mobile Antenna

Cloning Cable Cp06

Programming Cable Pc21

External Speaker SM09S2

Keypad Microphone SM07R1

Microphone SM07R2

Switching Power PS15001(UL)

Desktop Microphone SM10R1