

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 | 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 | |
| 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 | >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 |
| | TM-600 | R74TM-600V; R74TM-600U1; R74TM-600U2 |
| IC | TM-610 | 5465A-TM610V; 5465A-TM610U1; 5465A-TM610U2 |
| | 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.



ISO9001:2000 Certificate NO:FM 61540

<http://www.hyta.com>

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Your Local Dealer

HYT

AMERICA, INC.

Cost Effective Professional Mobile Radio
Conventional Mobile Radio



TM-600 and TM-610



- 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)

www.hyta.com



TM-600 and TM-610

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 constraint.
- 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 HDC2400TM * & HDC1200TM * 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 regrouping 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 illuminates 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.



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

- 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.
- Built-in Modem ***
 The built-in 1200/2400bps MSK modulator offers data transmission capability.
- Emergency Alarm**
 The emergency button allows for a transmission of a signal indicating an emergency situation.

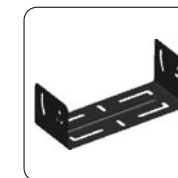
**Due to continuous technology development, functions with a * mark contained in this catalog will be achieved by HYT in the future.*

Accessories

Standard Accessories



Palm Microphone



Mounting Bracket



Power Cable

Optional Accessories



Keypad Microphone



Cloning Cable



Programming Cable



Mobile Antenna

TM-600 and TM-610

Conventional Mobile Radio