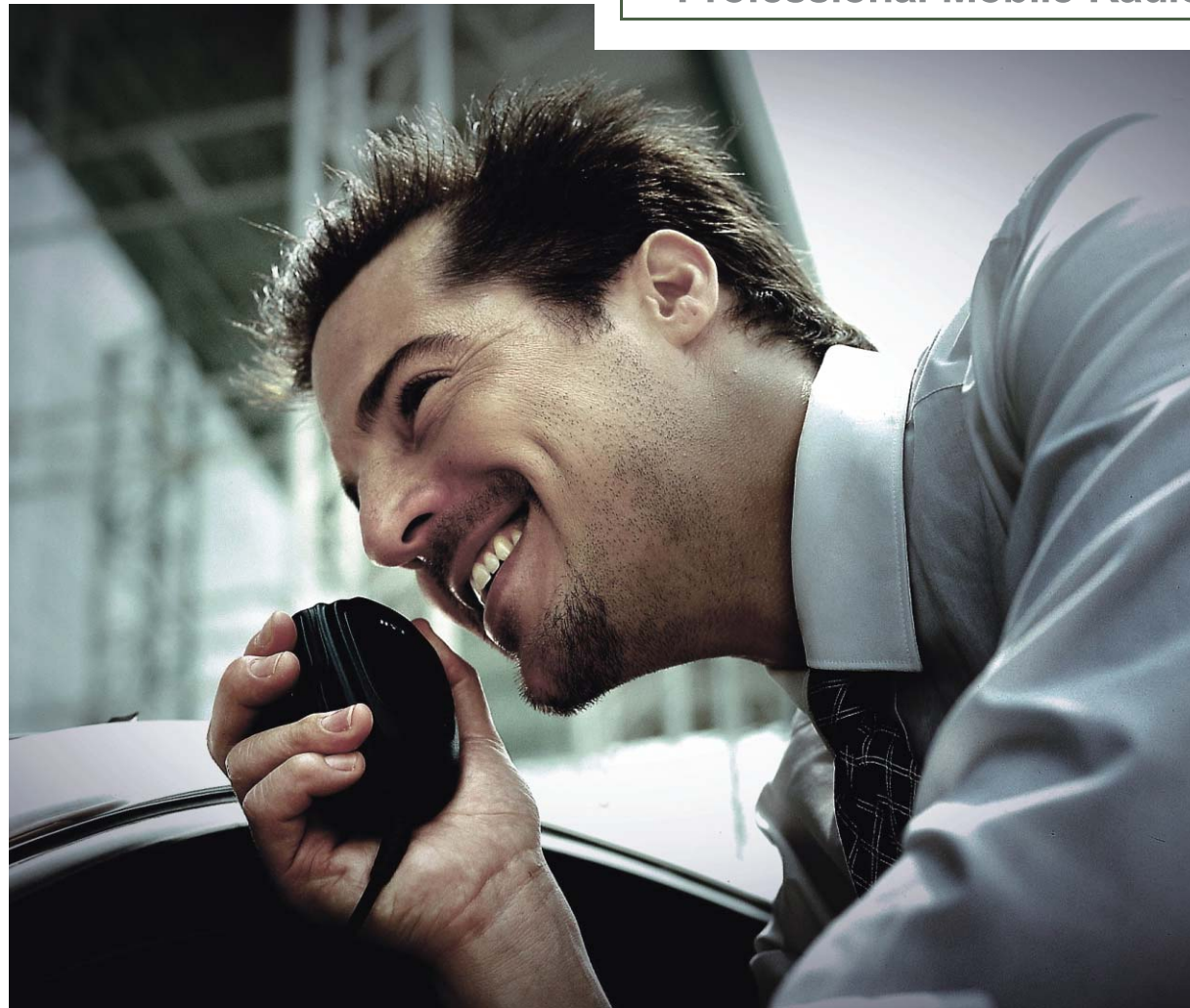




AMERICA, INC.

TM-800

Professional Mobile Radio



TM-800



- Wide-band Coverage
- Powerful Audio
- Remote Mount Control Head (Optional)
- Versatile Signalling
- Built-in Scrambler
- Auxiliary Port & Software Upgradeable

www.hyta.com

Specification

General		TM-800	
Frequency Range	VHF: 136~174MHz UHF: 350~400MHz ,400~470MHz ,450~520MHz		
Channel Capacity	512		
Zone Capacity	256(max)		
Channel Spacing	12.5 / 25KHz		
Operating Voltage	13.6V DC ±15%		
Current Drain	Standby	0.5A	0.5A
	Receive	<2.0A	<2.0A
	Transmit	<5A(5W)<8A(25W) / <12A(50W)	<5A(5W)<8A(25W) / <12A(45W)
Frequency Stability	±2ppm		
Operating Temperature	-30℃~+60℃		
Antenna Impedance	50Ω		
Dimensions (W×H×D)	6.89 in. X 1.89 in. X 6.46 in.		
Weight	3.75 lbs.		

Transmitter	TM-800	Receiver	TM-800
RF Power Output	VHF: 5W/25W/50W UHF: 5W/25W/45W	Sensitivity (wide/narrow)	0.28/0.35μV
Modulation	16Kφ F3E/11Kφ F3E	Selectivity (wide/narrow)	75/65dB
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz	Intermodulation (wide/narrow)	70/65dB
FM Noise(wide/narrow)	48/42dB	Spurious Response Rejection	80dB 85dB
Audio Distortion	≤3%	S/N (wide/narrow)	48/42dB
		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)

■ Above specification are tested according to TIA/EIA - 603. Above specifications are subject to change without notice due to technology enhancement.

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

Standard	MIL 810 C Methods / Procedures	MIL 810 D Methods / Procedures	MIL 810 E Methods / Procedures	MIL 810 F Methods / 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
Temp. Shock	503.1/ I	503.2/ I	503.3/ I	503.4/ I
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/ I, II
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,IV



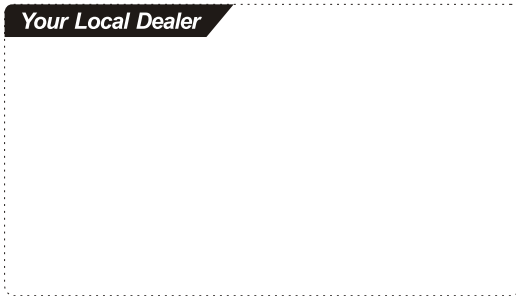
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Ver. NA-TM800-A

Your Local Dealer



TM-800



Perfect for growing organizations, the flexible TM-800 Professional mobile radio can readily expand to meet fast changing business needs.

HYT's voice compander audio enhancement and a powerful 5W internal or 13W external speaker ensure superb, clear, crisp sound, even in noisy environments. The versatility of the TM-800 mobile helps you keep productivity and efficiency at its highest, no matter how fast your business grows.

Super Functions

Wide-band Coverage

Wide-band coverage includes: VHF: 136-174MHz, UHF: 400-470MHz, 450-512 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.

Remote Mount Control Head (Optional)

The remote mount control head can be mounted on the dashboard without the radio chassis. This is ideal where space is limited.

Versatile Signallings

The TM-800 mobile is packed with a full range, signalling capabilities, including CTCSS / CDCSS, DTMF Encode & Decode, 2-Tone and HYT exclusive HDC2400™ / HDC1200 signalling.

The HDC2400™ signalling is exclusive to HYT, and contributes to the system to achieve features to include: Automatic Number Identification, Individual Call, Group Call, Broadcast, Stun&Revive, Short Message and Data Transmission.

The HDC1200 Signalling is compatible with MDC1200, and allows functions including PTT ID, Emergency, Radio Check, Stun&Revive, Individual Call, Group Call and Broadcast.

Built-in Scrambler

Maintaining private and secure communications is increasingly important, with potentially sensitive information flowing back and forth. The TM-800's scrambler feature provides enhanced security for your important public safety and private security communications.

Auxiliary Port & Software Upgradeable

Three auxiliary ports are reserved for second development: GPS; Data Transmission; Transcriptboard and repeater, etc. Software upgradeable allows new functions to accommodate future updates, without opening the unit.

Main Features

512 channels / 256 Zones

High 512-channel operating capacity on the TM-800 enables the mobiles to accommodate a vast number of users and work groups together. Each zone or channel can be assigned with a customized name for easy identification. Dynamic zoning provides greater flexibility in organizing different work groups.

Automatic Number Identification (ANI)

When the mobile radio receives HDC1200 or HDC2400™ signalling, ID or alias of the transmitter can be displayed. Your radio supports a selective call list containing up to 200 items of ID and alias.

Short Message

User can edit messages via keypad microphone, or send pre-defined messages. Messages can be sent between radios or via the control center.

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

Alphanumeric LCD

The large alphanumeric display has user-friendly icons which helps make information easy to understand at a glance. The display is switchable among channel number/alias, zone number/alias.



Unique Features

Frequency, short message, DTMF dial number, and menu options. The display illuminations also provide the visibility to operate your radio in the darkness.

Multi-language Capabilities

The display can be dealer customized for many different languages other than English.

8 Programmable Backlight Keys

Provides immediate and easy access with your favorite features.

Stun/Revive

Provides enhanced security to prevent unauthorized use of lost or rental units, by remote inhibition of either transmit or transmit/receive. A stunned radio can be remotely revived upon the revive code is received.

Horn Alert

Upon receiving DTMF, 2-Tone, HDC2400™, or HDC1200 signalling, the TM-800 mobile radio can remote control other electronic equipments on vehicle.

Versatile Scan

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

Front Panel Programming

The feature enables easy access to customize radio parameter settings to fit user needs.

Over-heating Protection

In case of long time transmission at high power, the TM-800 series will automatically switch to low output power to avoid radio over-heating.

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.

DTMF Function

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

Built-in Modem

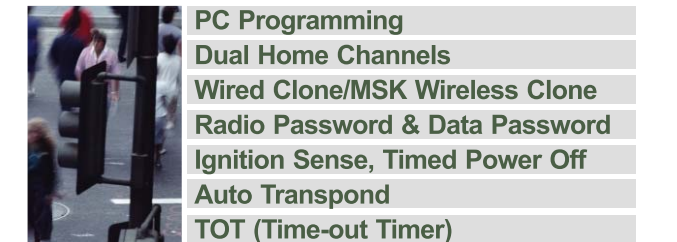
The built-in 1200/2400bps MSK modulator offers data transmission

function.

Emergency Siren

In case of emergencies or accidents, this feature lets you transmit discreet signals to the control center or a pre-defined person for emergency help.

Other Features



Accessories

