

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	1,2
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	1,2
Solar Radiation	505.1	1	505.2	1	505.3	1	505.4	1
Rain	506.1	1,2	506.2	1,2	506.3	1,2	506.4	1,3
Humidity	507.1	1,2	507.2	2,3	507.3	2,3	507.4	
Salt Fog	509.1	1	509.2	1	509.3	1	509.4	
Dust	510.1	1	510.2	1	510.3	1	510.4	1,3
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: 146-174 MHz UHF: 400-420 MHz 440-470 MHz
Channel Capacity	16
Channel Spacing	25 /12.5 KHz
Operating Voltage	7.5V
Battery	1200mAh (Li-ion)
Battery Life (5-5-90 Duty Cycle)	
1200mAh Li-Ion battery	More than 9 hours
1300mAh Ni-MH battery	More than 9 hours
Frequency Stability	±2.5ppm
Operating Temperature	-20°C~+50°C
Antenna Impedance	50 Ω
Dimensions (H×W×D)(with battery, without antenna)	4.61in.×2.13in.×1.22in.
Weight (with antenna & battery)	9.7oz.

Transmitter

RF Power Output	5W/2W(VHF) 5W/2W(UHF)
Modulation	F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	40/34dB
Audio Distortion	≤5 %

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

Receiver

Sensitivity	0.25/0.28μV
Selectivity	70/60dB
Intermodulation	≥60dB
Spurious Response Rejection	≥70dB
S/N	45/40dB
Rated Audio Power Output	800mW
Rated Audio Distortion	≤5%

FCC ID Number R747C-620U2



ISO9001:2000 Certificate NO:FM 61540

FC CE

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HYT
AMERICA, INC.

Professional Two-way Radio



TC-620

- Durable and Reliable
- LED Battery Gauge
- Superior Audio And Wide Communication Range
- Advanced Speaker Protection Technology

www.hytamerica.com

Incorporating cutting-edge technology, HYT TC-620 portable radio portfolio is the model customized for users in property management and service industries. In addition to the versatile functionality, easy operation, and high performance-to-price ratio characteristics, the innovative and ergonomic design makes the TC-620 satisfy users' requirements for communications and stylish appearance.



Applications

- Property management, logistics and warehousing
- Hospitality, restaurant, supermarket and service industry



With rugged and ergonomic design, the radio is comfortable to handle and wear. It can offer you prompt communication and greatly improve your working efficiency.

Main Features

■ High/Low Power Switchable

By simply pressing one button, users can switch to low power when communicating within limited range coverage or switch to high power when further distance is required. High transmit power optimizes range coverage while low transmit power conserves battery consumption, all at the user's control.

■ Programmable 12.5kHz / 25kHz Channel Spacing

The feature enables flexibility and easy migration of channel spacing requirements when the need arises, with no need to buy new radios.

■ Monitor

Allows users to monitor the activity on the current channel. The feature is especially helpful for receiving a weak signal.

■ Battery Save

The Battery Save feature is automatically activated once no activity on the channel and no

operation performed, for extended operation time.

■ Low Battery Alert

Alert users to recharge the battery should the battery level run low.

■ Busy Channel Lockout

A channel already in use is not available to other users.

■ Time-out Timer

The feature allows for more efficient use of channels by limiting the amount of time of each transmission.

■ PC Programmable

You are able to customize the features of each radio for each user.

■ Wired Clone

Easily copy the features of one radio to another.

Main Features

■ CTCSS/CDCSS

Set up workgroups/users with unique CDCSS/CTCSS to prevent unwanted conversations on the same frequency.

■ Selectable Squelch Level (0-9)

Helps minimize interference from undesired weak signals and helps weak signals be heard.

■ Channel Scan

The channel scan feature enables the radio to continuously scan each channel in the scan list for activity. Simply press a side function button to activate scanning. When activity is detected on a channel the scan process will stop and you will hear the transmission.

■ Voice Operated Transmit (VOX)

Enjoy the convenience of hands-free operation when used with optional accessories.

Super Features

■ Durable and Reliable

The radio housing is made of PC+ABS for increased durability. Versatile protections including the protecting rim beside the volume control knob, and the supporting point beside the antenna help to minimize damage to the radio in case the radio drops.

■ LED Battery Gauge

Non-display radios generally have no battery power indicator. The TC-620 allows you to simply press one button to illuminate the tri-colour LED battery gauge, which indicates battery strength levels for more effective power management.

■ Superior Audio

A powerful speaker with a diameter of 40mm ensures clear, crisp and strong audio, even in noisy environments.

■ Wide Communication Range

Super Features

■ High Transmit Power 5W UHF/VHF

Accommodates wide communication coverage. Even if you are in lift, basement or building, the TC-620 will bring prompt and reliable communication.

■ Advanced Speaker Protection Technology

Traditional radios only adopt a common dust & water protection mesh to seal out dust and water. However, the common grill cloth can not withstand the impact from hard substances such as iron nails, thin sticks, etc. To solve the problem, a protecting steel mesh is added to the TC-620 radio to effectively protect the dust & water protection mesh and the speaker.

TC-620

Accessories

Standard Accessories



Li-ion Battery (1200mAh) BL1204



MCU Charger CH10A03



Switching Power PS1037(UL)



Belt Clip BC12



Strap RO03



Antenna

Optional Accessories



Antenna



Ni-MH Battery (1300mAh) BH1303



Earpiece with on-MIC PTT & VOX & Transparent Acoustic Tube EAM12



D-earset with in-Line Microphone & PTT & VOX EHM15



D-earset with Boom Microphone & in-Line PTT & VOX EHM16



Receive-only Earpiece (for use with remote speaker microphone) ESS07



Receive-only Earpiece with Transparent Acoustic Tube (for use with remote speaker microphone) ESS08



Earbud with in-Line PTT & VOX ESM11



Earpiece with in-Line PTT & VOX & Transparent Acoustic Tube EAM11



Light-weight, Behind-the-Head Earpiece with in-Line PTT & VOX ECM11



Programming Cable (COM port) PC19



Programming Cable (USB port) PC26



Universal Programming Kit PC08



Light-weight, Single-Muff Headset with in-Line PTT & VOX ECM12



Heavy Duty Noise-cancelling Headset (with screw) ECM13



Behind-the-Head, Noise-Cancelling Headset (with screw) ECM14



Cloning Cable CP05



Leather Carrying Case LCBN56



Transparent Waterproof Bag LCBY03



Universal Chest Pack LCBN13



Multi-unit Rapid-rate Charger MCA02



Switching Power PS7501 (for use with UL power cords)



Remote Speaker Microphone SM08M3

Professional Two-way Radio

Ideal For Business Use

