

### 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	1,2
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	1,2,3,5	516.3	1,4,5	516.4	1,4,5	516.5	1,4,5

### General

Frequency Range	VHF: 136-174 MHz UHF: 400-420 MHz 440-470 MHz 450-470 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)	117mm × 54mm × 31mm
Weight (with antenna & battery)	275 g

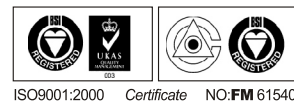
### Transmitter

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



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The advanced provider of professional wireless communication

**HYT**

# TC-620

## Professional Two-way Radio



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



## Professional Two-way Radio

### 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

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

#### Advanced Speaker Protection Technique

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

Incorporating cutting-edge technology, HYT TC-620 portable radio portfolio is the option 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 communication as well as pursuance for good look.

### Main Features

#### High/Low Power Switchable

By simple 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.

#### 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.

### Recommended Applications

Property management  
logistics  
warehousing

Hospitality  
restaurant  
supermarket

### Accessories

Standard Accessories	U/V Antenna Li-Ion Battery (1200mAh) BL1204	MCU Charger CH10A03 EU-standard switching power Ps1035	Belt Clip BC12 Strap RO03
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#### Optional Accessories



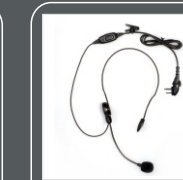
Ni-MH battery (1300mAh) BH1303



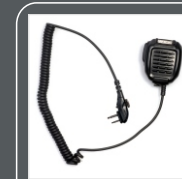
MCU rapid-rate multi-unit charger for Li-Ion/Ni-MH batteries MCA02



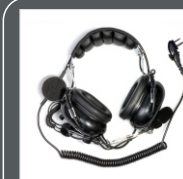
Six-unit switching power (Japan) PS7001



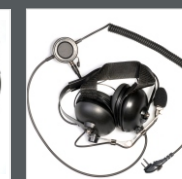
Light-weight, Behind-the-Head Earpiece with in-Line PTT & VOX ECM11



Remote Speaker Microphone SM08M3



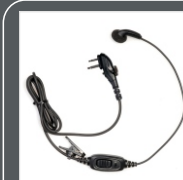
Heavy weight high-quality noise-cancelling & VOX headset ECM13



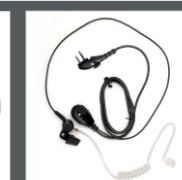
Behind-the-head, noise-cancelling & VOX headset ECM14



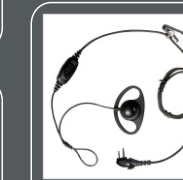
Leather Carrying Case LCBN56



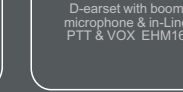
Earbud with in-Line PTT & VOX ESM11



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



D-earset with in-Line PTT & microphone & in-Line EHM15



D-earset with boom microphone & in-Line PTT & VOX EHM16