

### 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



## Professional Two-way Radio

### General

Frequency Range(MHz)	VHF: 146-174 UHF: 400-420 450-470 440-470
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.5
Battery(mAh (Li-ion))	1200
Battery Life (5-5-90 Duty Cycle)	
1200mAh Li-Ion battery(hours)	More than 9
1300mAh Ni-MH battery(hours)	More than 9
Frequency Stability(ppm)	±2.5
Operating Temperature(°C)	-20~+50
Antenna Impedance(Ω)	50
Dimensions (H×W×D)(with battery, without antenna)(in.)	4.61×2.13×1.22
Weight (with antenna & battery)(oz.)	9.7

### 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 %	

### 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%

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

\* FCC Approved Bands:(450-470MHz)  
FCC ID Number R747C-620U2



ISO9001:2000 Certificate NO:FM 61540



## HYT America, Inc.

320 International Parkway, Sunrise, Florida 33325  
Tel: 954-846-1011 Fax: 1-954-846-1672 Toll Free: 800-845-1230  
www.hyta.com

SHENZHEN HYT SCIENCE & TECHNOLOGY CO., LTD. <http://www.hyt.cn>

HYT is the registered trademark of Shenzhen HYT Science & Technology Co., Ltd. © 2007 HYT Co., Ltd. All Rights Reserved. 2118002D  
HYT retains right to change the product design and specification. Should any printing mistake occur, HYT doesn't bear relevant responsibility. Little difference between real product and product indicated by printing materials will occur by printing reason.

Ver. NA-TM600610-B

Your Local Dealer



# TC-620

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



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.



**Recommended 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.



### 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 a lift, basement or building, the TC-620 will bring you 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 this problem, a protecting steel mesh is added to the TC-620 radio to more efficiently protect the dust & water protection mesh and the speaker.

### 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 there is no activity on the channel

### Main Features

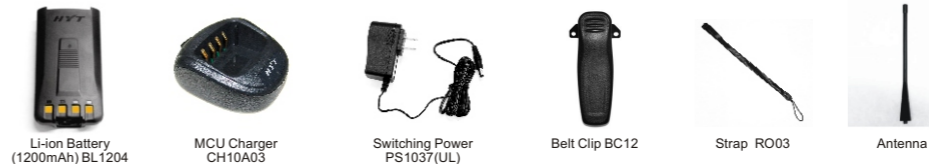
- and no operation is performed, for extended operation time.
- Low Battery Alert**  
 Alert users to recharge the battery should the battery level run low.
- Busy Channel Lockout**  
 A channel already in use is not available to other users.
- Time-out Timer**  
 The feature allows for more efficient 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.

## Accessories

#### Standard Accessories



Li-ion Battery (1200mAh) BL1204    MCU Charger CH10A03    Switching Power PS1037(UL)    Belt Clip BC12    Strap RO03    Antenna    Antenna    Ni-MH Battery (1300mAh) BH1303

#### Optional Accessories



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    Light-weight, Behind-the-Head Earpiece with in-Line PTT & VOX ECM11  
 (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    Universal Chest Pack LCBN13    Multi-unit Rapid-rate Charger MCA02    Switching Power PS7501 (for use with UL power cords)    Remote Speaker Microphone SM08M3