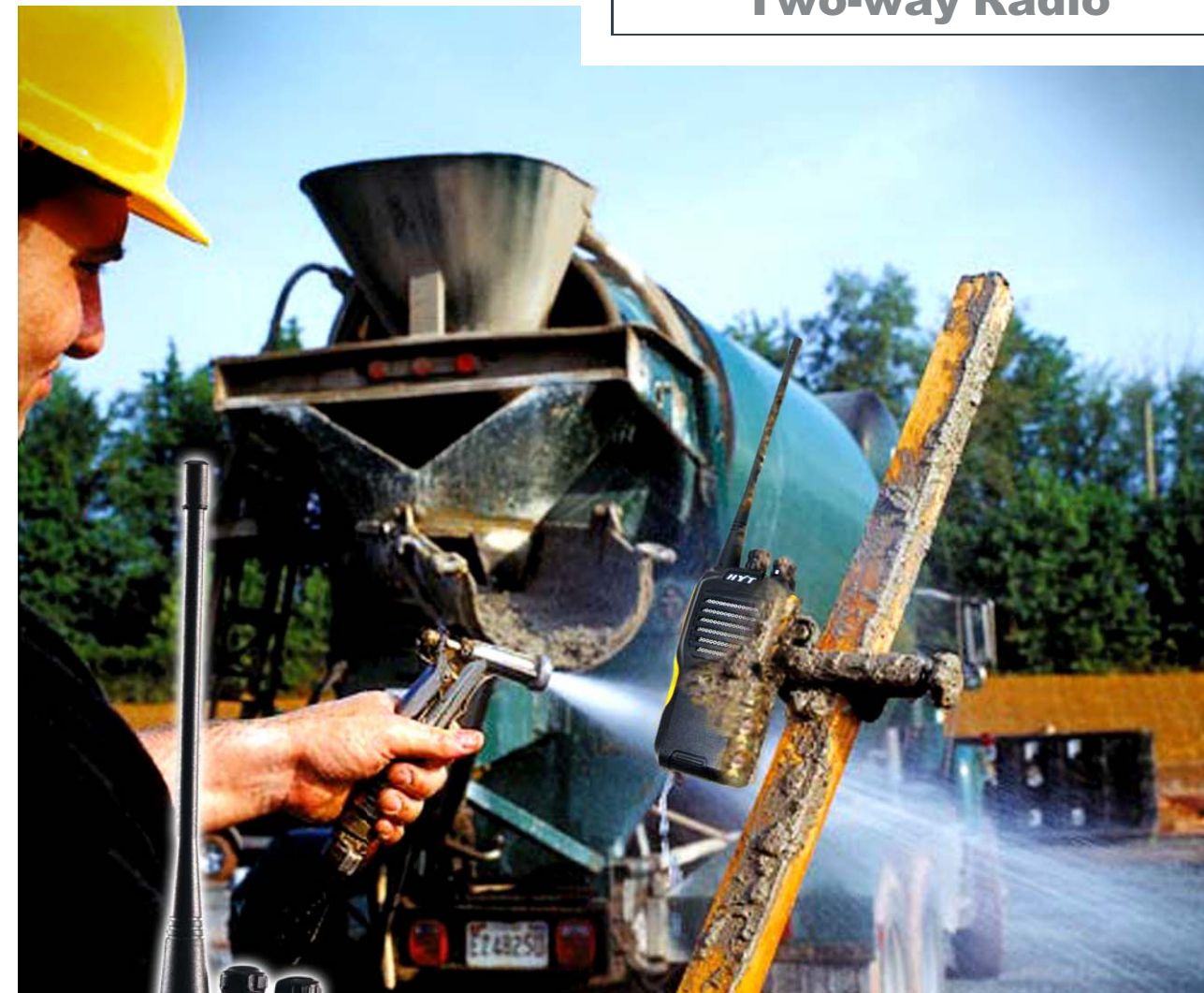


### Applicable MIL-STD-810C/D/E/F

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

## Professional Two-way Radio



### 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 (HxWxD)(with battery, without antenna)	4.69in. × 2.17in. × 1.30in.
Weight (with antenna & battery)	9.52oz.

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

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

\* FCC ID Number R747C-610U2

\*\* MIL 810 and IP grade specifications require the connector cover to be connected



ISO9001:2000 Certificate NO:FM 61540



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Ver. NA-TM600610-B

Your Local Dealer



# TC-610

- Water Protection Class IP66
- Powerful Audio and Wide Communication Range
- LED Battery Gauge
- Unique Structural Design
- Dust Resistant
- 5 Watt Power Output UHF and VHF Bands



# TC-610

## Professional Two-way Radio

Harsh, noisy and dusty working conditions in challenging construction sites may lower your efficiency and productivity by distorting the radio transmission. HYT TC-610 portable radio is the ideal for users in these conditions, as its superior dust & water protection helps to seal out dust and water, thus prolonging radio life.

### Super Features

#### Water Protection Class IP66

In harsh, noisy and dusty working conditions such as construction sites, your radio is apt to be damaged. The TC-610 will bring you reliable communication and high productivity in these working conditions, and its superb waterproof performance allows you to wash off mud and dust on your radio. Other radios with poor waterproof performance may not work as effectively in these conditions.

#### Double Injection Molding

The TC-610 employs double injection molding, which is a technology with high difficulty coefficient and high risk. Owing to this superior technology, the radio is comfortable to handle, and it has high drop-proof performance.

#### Powerful Audio and Wide Communication Range

A powerful speaker with a diameter of 45mm (36mm for speakers of common radios) ensures superb clear, crisp sound, even in noisy environments. High transmit power (5W for UHF frequency band) accommodates wide communication coverage.

### Super Features

#### LED Battery Gauge

Non-display radios generally have no battery power indicator. The TC-610 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.



#### Unique Structural Design

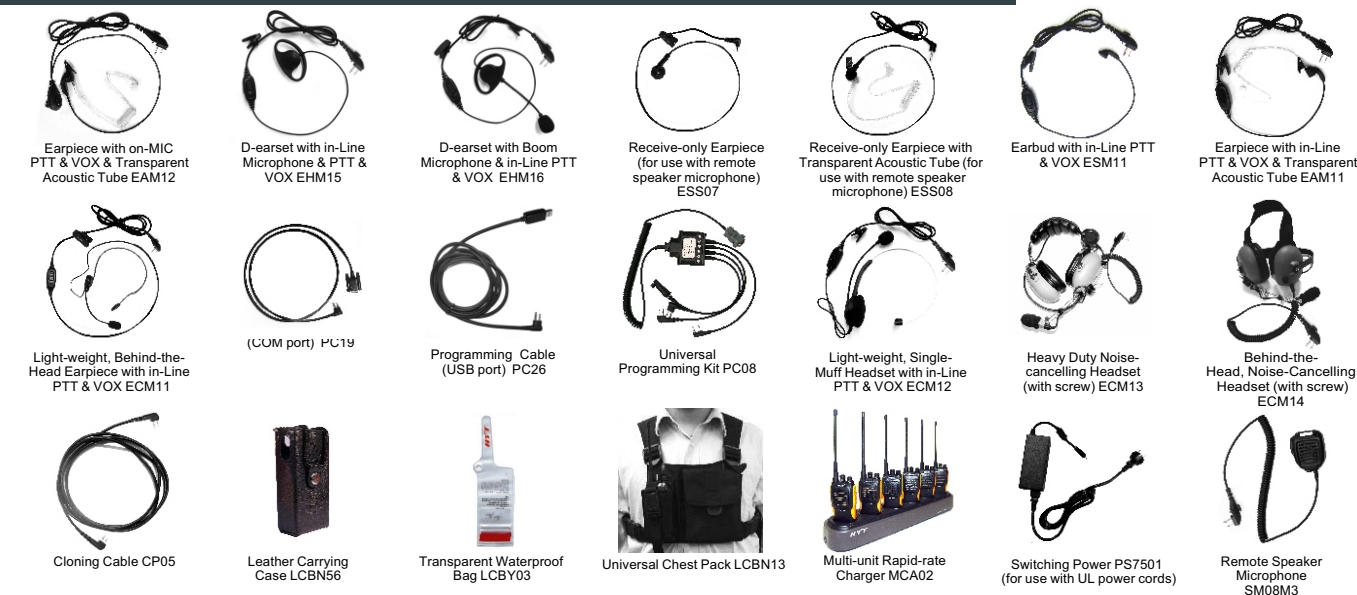
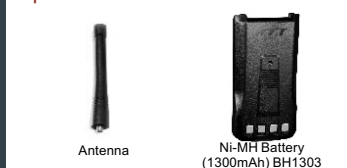
The Unique battery latch structure delivers secure connection between the battery and the radio, as well as simple operation.

## Accessories

### Standard Accessories



### Optional Accessories



### 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.

### Applications

- Construction sites
- Manufacturing
- Ports
- Hotel
- Property management
- Warehousing

The TC-610 will bring you reliable communication and high productivity in these working conditions, and its superb waterproof performance allows you to wash off mud and dust on your radio.



### Main Features

#### 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)

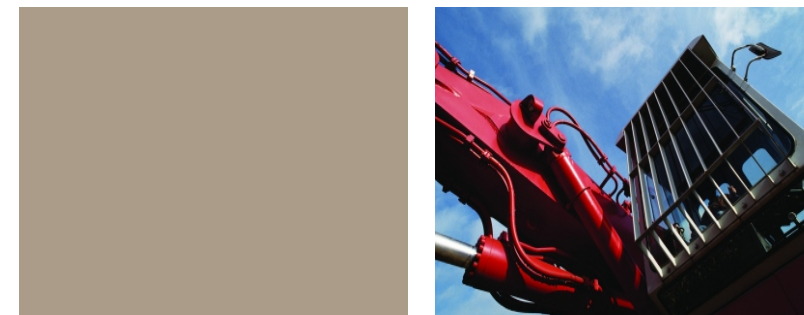
Helps minimize interference from undesired weak signals and helps weak signals be heard.

#### 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.



TC-610

Professional Two-way Radio

