

# TC-700P

Professional  
Two-way Radio



- Multiple Safety Features
- Flexible Microphone Gain Setting
- Further Development Port
- Channel Announcement

## Accessories

<b>Standard Accessories</b>	Thin and long antenna Switching Power (100V-240V) PS1009 (The power cord may vary in different countries and areas.) Belt Clip BC08 (for use with battery BL1703)	Li-Ion Battery (1700mAh) BL1703 PS1009 (The power cord may vary in different countries and areas.) Leather Strap RC04	MCU Rapid Rate Charger CH10L07
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### Optional Accessories

			Programming Cable (COM Port) PC18 Programming Cable (USB Port) PC25 Cloning Cable PC03	

### 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

### General

Frequency Range(MHz)	VHF: 136-174 UHF: 400-470
Channel Capacity	16
Channel Spacing(KHz)	25 /20/12.5
Operating Voltage(V)	7.4
Battery	1700mAh (Li-Ion Battery)
Battery Life (5-90 duty cycle)	About 12 hours
Frequency Stability(ppm)	±2.5
Operating Temperature(°C)	-25~+60
Antenna Impedance(Ω)	50
Dimensions(LxWxH)(with battery, without antenna)(mm)	124×54×35
Weight (with antenna & battery)(g)	330

### Transmitter

RF Power Output	5W/2W/1W
Modulation	16K Φ F3E/11K Φ F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	45/40dB
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	65dB
Spurious Response Rejection	70dB
S/N	45/40dB
Rated Audio Power Output	0.8W
Rated Audio Distortion	≤5%



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## Super Functions

### Wide Band Coverage

TC-700P supports two frequency bands: 136MHz-174MHz and 400MHz-470MHz.

### safety assurance

Safety and security are critical factors for modern organizations. The TC-700P's Lone worker, Man Down (optional) and Emergency Siren features are designed to assure your safety in case of emergencies or accidents.

### Large Output Power

Up to 5W output power ensures long communication distance.

### Rotund Sound Output

The powerful speaker (diameter: 40mm; audio output: up to 1.5W) ensures clear and crisp sound even under noisy environments.

### Phone/5-Tone/HDC2400™ Signaling

Phone Signaling: a type of signaling that allows access to the public communication network. Users can use it to make phone calls to one another. 5-Tone Signaling: a widely used signaling that uses audio signal as the media. It can help realize various features such as Individual Call, Group Call, Kill/Revive, Secret Alarm, Authorize, Call Forward and etc. HDC2400™ Signaling: a proprietary signaling of Hytera. It can help realize versatile features such as PTT ID, Selective Call, Alert Call, Radio Check, Safety Check, Kill/Stun/Revive, Emergency, Remote Monitor, Auto Contact and etc.

## Professional Two-way Radio

### Software Upgradeable

With this feature, you can enjoy more powerful features without buying a new machine.

### Innovative Mechanical Design

The pin jack design is good to prolong service life.

# TC-700P



Incorporating advanced audio processing and anti-interference technologies, TC-700P enables you to enjoy remarkable communications even in noisy and strong EMI environments. What impresses it more is its multi-level safety mechanism, providing enhanced security solution for mission critical applications.

## Main Features

### Whisper

This feature enables your voice to be heard clearly even if you speak quietly.

### Battery Power Indicator

TC-700P can broadcast different numbers to indicate the current battery strength.

### Channel Announcement

The feature enables radio to report the current channel number when power on or switching channel, offering you notable convenience.

### Vibrate

TC-700P supports a vibrate option. The vibrate indication helps in working conditions where quiet operation is required.

### Scan

TC-700P supports two scan types: Normal Scan and Vote Scan. Normal Scan helps you listen to communication activities on other channels, while Vote Scan helps you select the closest base station to communicate.

### Emergency

This feature enables users to ask for help from fellow members or from control center in case of an emergency event. Adjustable Squelch Level With this feature, users can adjust the squelch threshold required for the radio to unmute.

### Safety Check

TC-700P will sound an alert tone when it receives safety check signal from the control center or another radio. In this case, you need to press a key to stop the alert tone to indicate that you are safe. Otherwise, your radio will alarm automatically.

### Lone Worker

This feature is designed for persons who often work lonely. If you do not operate your radio within the preset time period, your radio will sound an alert tone automatically. In this case, you need to press a key to stop the alert tone to indicate that you are safe. Otherwise, your radio will alarm automatically.

### Auto Contact

TC-700P can detect whether a member in its contact list is out of the communication range. If so, it will sound the alert tone.

### Man down (optional)

When feature enabled, a defined emergency procedure is activated if the radio is horizontally or inversely positioned for a certain length of time. Place the radio vertically to disable the emergency.

## Applications

- Public Security
- Construction
- Firefighting
- Forestry
- Transportation

## Other Features

CTCSS/CDCSS

Compandor

Scrambler

Monitor

Squelch Off

Cancel Call

Low Battery Alert

Adjust Power Level

Call 1- Call 5

Talk Around

VOX

Time-out Timer (TOT)

MSK Wireless Clone

Manual/Automatic PC Tune

Patrol (optional)

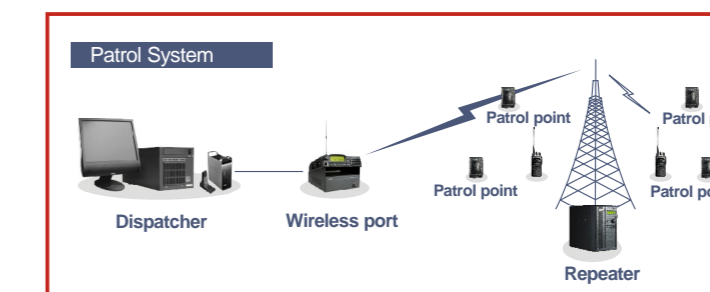


## Solutions

TC-700P is capable of Patrol and Man Down applications, providing powerful communication/dispatching management/safety solutions for professional users.

### Solution for Patrol Application:

- Security guard companies, enterprises, property management and public security. The system can provide a perfect management solution to replace traditional patrol management methods.
- Warehouse patrol, transportation route and time management, important equipment patrol and etc.
- Forestry, parks, scenic spots and etc. The system can help protect public facilities.



### Solutions for Man Down Application

- Public security, big-sized property management and etc. With this solution, your radio will automatically activate Emergency and send the alarm signal to the control center for help, if it is horizontally positioned for a preset period.

