

TC-700P

Professional Two-way Radio



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

Accessories

Standard Accessories

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
MCU Rapid Rate Charger CH10L07
Leather Strap RC04

Optional Accessories

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

Transmitter

RF Power Output	5W/2W/1W
Modulation	16KΦ F3E/11KΦ 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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Your Local Dealer



Professional Two-way Radio

Super Functions

Wide Band Coverage

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

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 HYT. 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.

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.

Rental Time Indicator

If you rent TC-700P out, you can set rental time via the programming software. Before the rental time expires, the lessee can enquire the remaining time that he/she is allowed to use the radio. Once the rental time expires, the radio will stop operating.

Call Forward

This feature allows you to forward an incoming call to another radio or to the control center.

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.

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.

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.

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.

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.

Applications

- Public Security
- Firefighting
- Transportation
- Construction
- Forestry

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
- Man Down (optional)
- Vibrate (optional)
- 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.

