

**HYT**

Two-way Radio

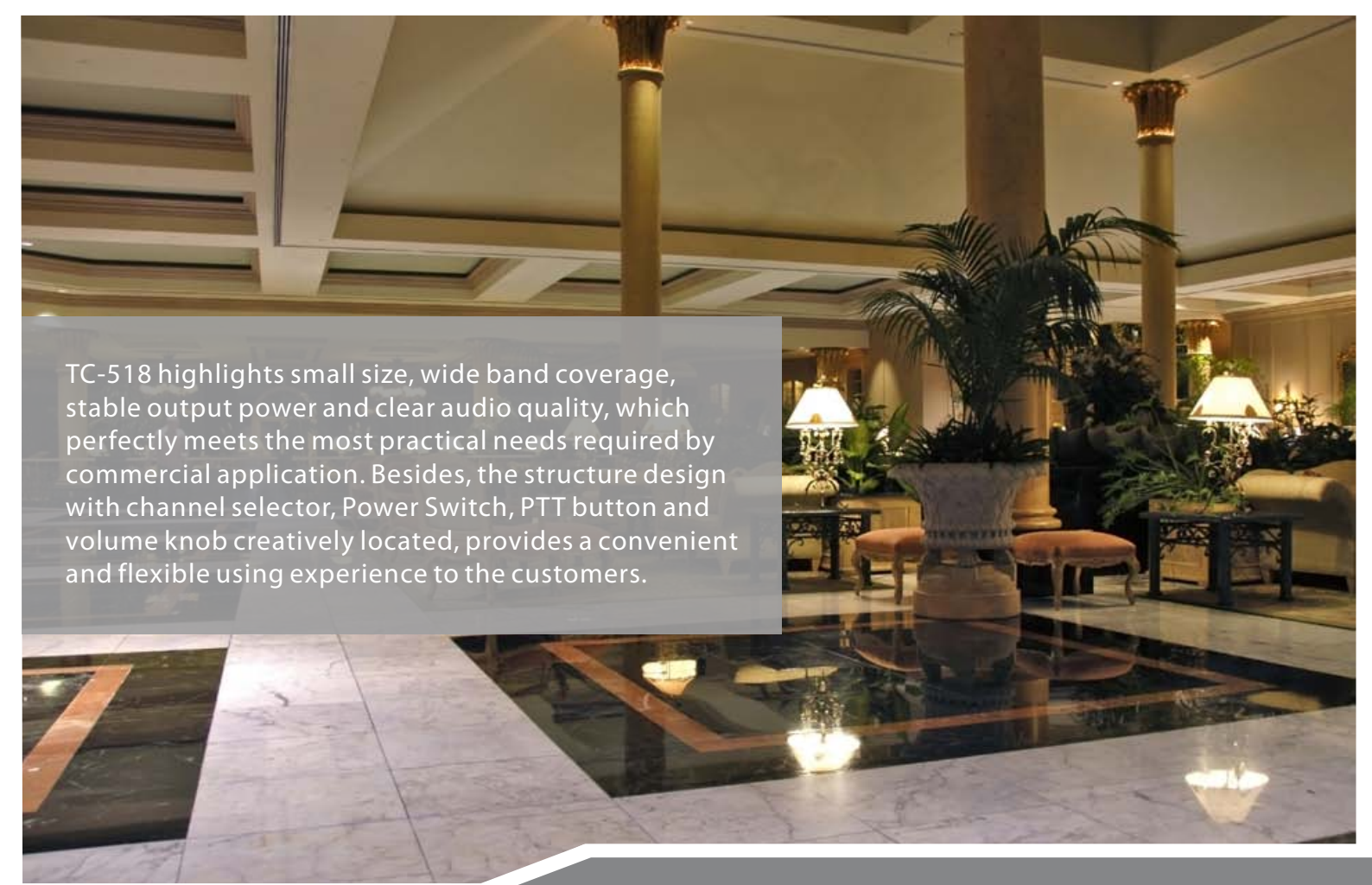
# TC-518

**Professional  
Two-way Radio**



- Wide-band Coverage
- User-friendly Volume Adjustment
- Single-hand Operation
- Power-off By Software





TC-518 highlights small size, wide band coverage, stable output power and clear audio quality, which perfectly meets the most practical needs required by commercial application. Besides, the structure design with channel selector, Power Switch, PTT button and volume knob creatively located, provides a convenient and flexible using experience to the customers.

# TC-518

Professional Two-way Radio

## Super Features

### Wide-band coverage

Wide-band coverage enables TC-518 to be compatible with another radio working within a relatively narrow frequency band. Thus the spending on another radio is saved.

### User-friendly volume adjustment

The volume is divided into several levels and each level is vocally marked, enabling the users to choose a suitable volume level in accordance with the environment.

### Single-hand operation

Usually a radio is operated with two hands. But now it is a thing of the past. With PTT button and volume knob combined, you can handle the radio with a single-hand, making the other hand always available to do other things while speaking and listening.

### Power-off by software

Power-off by software technology is first applied in two-way radios. It is much more durable, and can serve a longer time than the traditional mechanical switch.

## Applications

- Hotel
- Restaurant
- Property Management
- Supermarket
- Logistics
- Shopping Mall

## Main Features

- High/Low Power Switchable
- Programmable Channel Spacing  
(Wide/Narrow Band Selectable)
- Monitor
- Battery Save
- Low Battery Alert
- Busy Channel Lockout
- Time-out Timer
- CTCSS/CDCSS Encode & Decode
- Squelch Tail Elimination
- Selectable Squelch Level (0-9)
- Channel Scan
- PC Programmable
- Wired Clone
- PTT ID
- Voice Comander
- Voice Operated Transmit (VOX)



## Accessories

### Standard Accessories

Antenna Li-Ion Battery (1300mAh) BL1301 Rapid-rate Charger (for Li-Ion Battery) CH10L12  
Switching Power (different P/N for different countries and areas) Belt Clip BC12 Strap RO03

### Featured Optional Accessories



Six-unit Switching Power PS7001  
(different power cable for  
different countries and areas)



The Six-unit Switching  
Power works with chargers.



Highlights: Using the 6-unit switching power, you can combine multiple rapid-rate chargers as a simple multi-unit charger which fulfills high-speed shift or busywork for large fleets, and share the economical benefits and convenience that it brings.

### Optional Accessories



Li-ion Battery(1650mAh)  
BL1719



Vehicle Power Adapter  
CHV09



Earbud with in-line  
PTT & VOX ESM11



Earbud with on-MIC  
PTT & VOX ESM12



D-earset with Boom  
Microphone & VOX EHM16



D-earset with in-Line  
MIC & VOX EHM15



PU Carrying Case (non-swivel) (black) PCN001  
Programming Cable (COM Port) PC19  
Programming Cable (USB to Serial Port) PC26  
Cloning Cable CP05  
Note: Pictures are for reference only. Image may vary from actual product. Product function shall remain the same.



## 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: 350-390 400-470 450-520
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.4
Battery	1300 mAh (Li-ion)
Battery Life (5-5-90 Duty Cycle)	
1300mAh Li-ion battery	About 9 hours
1650mAh Li-ion vattery	About 13 hours
Frequency Stability(ppm)	±2.5
Operating Temperature(°C)	-25~+65
Antenna Impedance(Ω)	50
Dimensions (H×W×D)(with battery, without antenna)(mm)	110×52×28
Weight (with antenna & battery)(g)	240

## Transmitter

RF Power Output	5W/2W(VHF) 4W/2W(UHF)
Modulation	F3E
Spurious and Harmonics	-36dBm<1GHz -30dBm>1GHz
FM Noise	40/34dB
Audio Distortion	≤5 %

All specifications are subject to change without notice due to continuous development.

## Receiver

Sensitivity	≤0.25/0.28 μV
Selectivity	70/50dB
Intermodulation	≥60dB
Spurious Response Rejection	≥70dB
S/N	40/34dB
Rated Audio Power Output	0.8W
Rated Audio Distortion	≤5%



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