

HYT

Two-way Radio

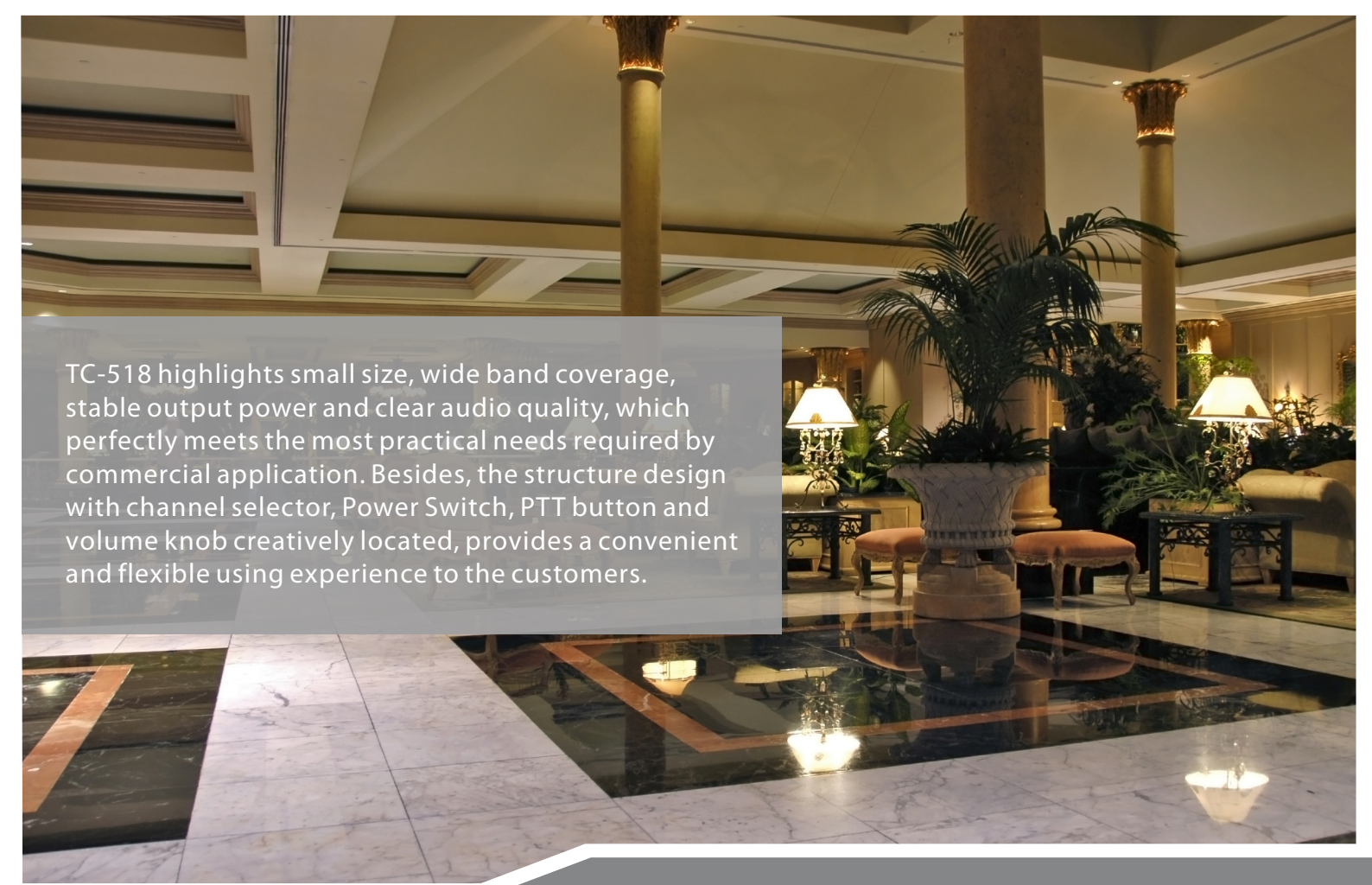
TC-518

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

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 Compander
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 P57001
(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.

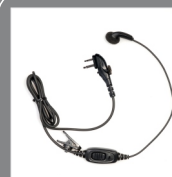
Optional Accessories



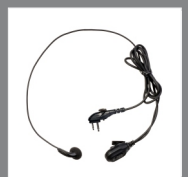
Li-ion Battery (1650mAh)
BL1719



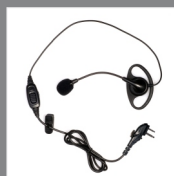
Vehicle Power Adapter
CHV09



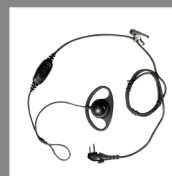
Earbud with in-line
PTT & VOX ESM11



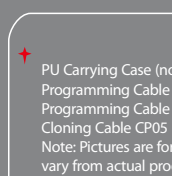
Earbud with on-MIC
PTT & VOX ESM12



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 Methods Procedures	810D Methods Procedures	810E Methods Procedures	810F 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 battery	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 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	70/50dB
Intermodulation	≥ 60dB
Spurious Response Rejection	≥ 70dB
S/N	40/34dB
Rated Audio Power Output	0.8W
Rated Audio Distortion	≤ 5%



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