

# HYT


Two-way Radio

# TC-508

Professional  
Two-way Radio  
Affordable & Reliable



- Tough & Light-weight
- Robust & Reliable
- Longer Battery Life
- Enhanced Voice Quality



TC-508, one of the market-leading products in HYT commercial radio series, is an ideal choice for facilities, hospitality, manufacturing, retail, education and construction. As the affordable and reliable two-way radio for business and industry, TC-508 can largely enhance your productivity and management efficiency. The excellent design of HYT compact TC-508 portables guarantees superior ergonomics. Moreover, it can ensure a great performance in any operating conditions, HYT 5-year ALT test. Besides, TC-508 provides up to 14 hours of battery life to ensure long-lasting performance and convenience. Affordable price and distinct performance - TC-508 deserves your trust.

# TC-508

## Professional Two-way Radio

### Leading Features

#### ■ Tough & Light-weight

TC-508 has a light-weight but exceptionally strong body, allowing it to be carried about easily and to survive harsh conditions.

#### ■ Robust & Reliable

TC-508 is built to survive the hard knocks, drops and some tough environments of its users. It meets or exceeds the HYT 5-year ALT test.

#### ■ Longer Battery Life

TC-508 is equipped with a 1650mAh battery that enables you to transmit and receive, on a 5-5-90 basis, for up to 14 hours.

#### ■ Enhanced Voice Quality

TC-508 employs advanced voice technologies to better the sound quality during your communication.

## Main Functions

High/Low Power Switch

Wide/Narrow Band Switch

Monitor

CTCSS/CDCSS and Squelch Tail Elimination

Channel Scan

Battery Save

Low Battery Alert

Busy Channel Lockout

Time-out Timer (TOT)

PC Programmable

Wired Clone

Squelch Levels Selectable



## Recommended Applications

- Hospitality
- Education
- Manufacturing
- Construction
- Retail
- Security

## Accessories

Standard Accessories	Li-Ion Battery Belt Clip	Rapid-Rate Charger (for Li-Ion Battery) Strap	Power Adapter Antenna
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### Optional Accessories



Li-Ion Battery (1300mAh)  
BL1301



Vehicle Power Adapter  
CHV09



Six-unit Switching Power  
PS7002



Remote Speaker  
Microphone SM08M3



Earbud with on-MIC  
PTT & VOX ESM12



D-earset with in-Line  
MIC & VOX EHM15



D-earset with Boom  
MIC & VOX EHM16



Earpiece with on-MIC  
PTT & Transparent  
Acoustic Tube EAN12



Receive-Only Earpiece with  
Transparent Acoustic Tube  
(for use with remote speaker  
microphone) ESS08



Nylon Carrying Case  
(not swivel)(black)  
NCN001



Receive-Only Earpiece  
(for use with remote speaker  
microphone) ESS07

**Note:** Pictures above are for reference only and may vary from actual product.

## General

Frequency Range(MHz)	VHF: 146-174 UHF: 450-470
Channel Capacity	16
Channel Spacing(KHz)	25 /12.5
Operating Voltage(V)	7.4
Battery	1650mAh (Li-Ion Battery)
Battery Life (5-5-90 Duty Cycle)	14 hours
Frequency Stability(ppm)	±2.5
Operating Temperature(°C)	-20~+65
Antenna Impedance(Ω)	50
Dimensions (H×W×D)(with battery, without antenna)(mm)	113×54×35
Weight (with antenna & battery)(g)	280

## Transmitter

Power Output	5W/2W(VHF) 4W/2W(UHF)
Modulation	16K0F3E/11K0F3E
Spurious and Harmonics	≤-26dBm (<1G)
FM Noise	40/35dB
Audio Distortion	≤5 %
Modulation Limiting	≤5KHz (25KHz) ≤2.5KHz (12.5KHz)
Audio Response	≤+1~-3dB (6dB/oct pre-emphasized, 300-3000Hz)

## Receiver

Sensitivity	≤0.251uV/0.282uV
Adjacent Channel Selectivity	65dB/55dB
Intermodulation	60dB
Spurious Response Rejection	65dB
S/N	45dB/40dB
Rated Audio Power Output	0.5W (Speaker impedance: 16 Ohm)
Rated Audio Distortion	≤5% (0.5W)
Conducted Spurious Emission	-57dBm < 1GHz      -47dBm > 1GHz

All Specifications are tested according to applicable standards, and subject to change without notice due to continuous development.



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