







TC-446S Enhanced

High-Quality Commercial Two-Way Radio

-  Superior Voice Quality
-  Extended Battery Life
-  Ergonomic Design
-  Improved Coverage





Channel Copy

Ability to copy analog channel information from one TC-446 radio to another.



Hytera Radio App

Manage your radio effortlessly from your Android smartphone. Perform programming, batch configuration, frequency information back up, and more - all in one app.



Air Clone

You can clone configuration data from one TC-446S to others.





Battery Strength Indicator

LED indicators display remaining battery capacity with just a single button press.



Crystal-clear Voice Quality

TC-446S employs advanced voice technologies to enhance sound quality during your communication.



Voice Notification

Always provides voice notifications about channel number, battery level, and configuration data.



Main Features

- Designated Power-on Area
- Password control for programming
- Channel Monitor
- CTCSS/CDCSS and Squelch Tail Elimination
- Channel Scan
- Low Battery Alert
- Busy Channel Lockout (BCL)
- Time-out-timer (TOT)
- Auto Battery Save



Accessories

Standard Accessories



Li-ion Battery
(1700mAh)

Single Unit Charger

Power Adapter

Belt Clip

Wrist Strap

Optional Accessories



PTT&MIC Cable

Vehicle-mounted
Power Adapter

Receive-Only Earpiece
with Transparent
Acoustic Tube

Receive-Only
C-Earset

Receive-Only
Adjustable Earset

D-earset with
on-MIC PTT



C-earset
(with VOX capability)

Receive-Only Earbud

Programming Cable

Remote Speaker
Microphone

Nylon Chest Pack

Waterproof Bag

Applicable Industries

Hotels, Facility Management, Supermarkets, Entertainment Venues, Factories, Construction, Logistics, Warehousing, Security



Specifications

| General | |
|--|-----------------------------|
| Model | TC-446S |
| Frequency Range | 446.00625-446.09375MHz |
| Channel Capacity | 48 |
| Zone Capacity | 3 |
| Channel Capacity per Zone | 16 |
| Channel Spacing | 12.5kHz |
| Operating Voltage | 7.4V (Rated) |
| Battery | 1700mAh Li-ion |
| Battery Life (5/5/90 Duty Cycle, TX Power)* | 35h |
| Frequency Stability | ± 2ppm |
| Antenna Impedance | 50Ω |
| Dimensions (HxWxD) | 113*54*32mm |
| Weight (With battery and antenna) | <250g |
| Receiver | |
| Sensitivity | 0.14μV (12dB SINAD@12.5kHz) |
| Adjacent Channel Selectivity | ETSI: 60dB |
| Intermodulation | ETSI: 65dB |
| Spurious Response Rejection | ETSI: 70dB |
| Blocking | ETSI: 84dB |
| Hum&Noise | 40dB |
| Rated Audio Power Output | 0.5W |
| Rated Audio Distortion | ≤5% |
| Audio Response | +1 to -3dB |
| Conducted Spurious Emission | <-57dBm |

| Transmitter | |
|-----------------------------|--------------------------------|
| Power Output | 0.5W |
| FM Modulation | 11K0F3E |
| Conducted/Radiated Emission | -36dBm < 1GHz; -30dBm > 1GHz |
| Modulation Limiting | ± 2.5kHz |
| FM Hum&Noise | 40dB |
| Adjacent Channel Power | 60dB |
| Audio Response | +1 to -3dB |
| Audio Distortion | ≤3% |
| Environment | |
| Operating Temperature | -30°C ~ +60°C* |
| Storage Temperature | -40°C ~ +85°C |
| ESD | ± 8kV (Contact) ; ± 15kV (Air) |
| Dustproof & waterproof | IP54 |
| Humidity | MIL-STD-810C、D、E、F |
| Shoock and Vibration | MIL-STD-810C、D、E、F |

*Radio only -Battery -20°C

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