Hytera

TC-446S Enhanced

High-Quality Commercial Two-Way Radio

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

www.hytera.com/eu

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

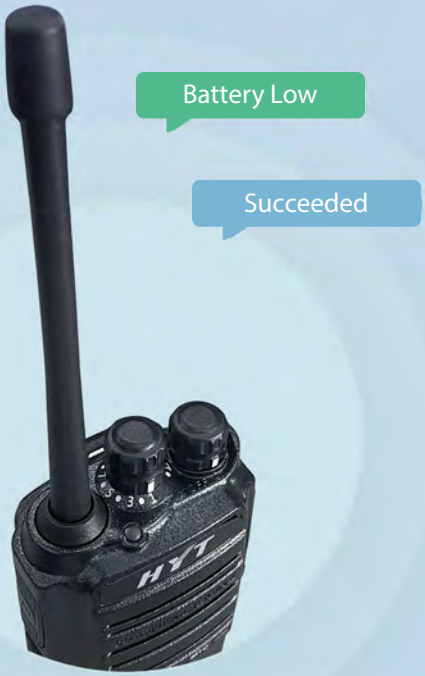
LED indicators display remaining battery capacity with just a single button press.

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

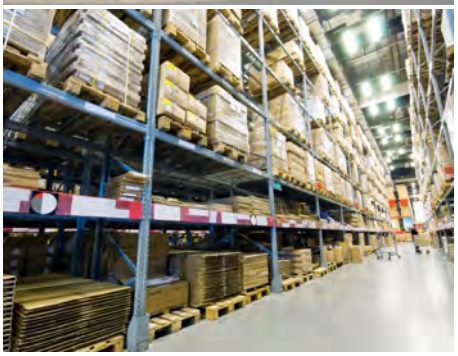
Remote Speaker Microphone

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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