



Specification

General	TC-446
Frequency Range	446.00625-446.09375MHz
Channel Capacity	16
Channel Spacing	12.5 KHz
Operating Voltage	6V
Battery	1100mAh (Ni-MH)
Battery Life(5-5-90 duty cycle)	More than 11 hours
Frequency Stability	±5ppm
Operating Temperature	-20℃~+60℃
Antenna Impedance	50 Ω
Dimensions (L×W×H) (with battery, without antenna)	108mm×54.2mm×37.4mm
Weight(with antenna & battery)	273 g

Transmitter	TC-446
RF Power Output	≤0.5W
Modulation	F3E
Spurious and Harmonics	36dBm
FM Noise	40dB
Audio Distortion	≤5 %

Receiver	TC-446
Sensitivity	0.25 μ v
Selectivity	60dB
Intermodulation	60dB
Spurious Response Rejection	60dB
S/N	40dB
Audio Power Output	500mW
Audio Distortion	≤5%

■ Specification are subject to change without notice and range will vary depending on the geography and surrounding environment .

Accessories

Standard Accessories



Adapter 230V PM0304



Charger (for Ni-MH/Ni-Cd Battery) CH03N01



Flexible Belt Clip BC10



1100mAh Ni-MH battery BH1104

Optional Accessories



Rapid Charger (for Ni-MH/Ni-Cd battery) CH05N03



Adapter 230V PM1004



Leather Carry Case LCBN08



Transparent Water-proof Bag LCBY03



Earbud with Combined Mic & in-line PTT ESM02



Earset with boom mic & in-line PTT EHM03



Earset with Combined Mic & in-line PTT EHM04



Remote Speaker Microphone SM06M2



Receive-only Earpiece with Transparent Audio Tube (for Remote Speaker Microphone) ESS04



Receive-only Earpiece (for Remote Speaker Microphone) ESS01



Multi-charger (for Ni-MH/Ni-Cd Battery) MCN03



Rapid Multi-charger (for Ni-MH/Ni-Cd Battery) MCN04

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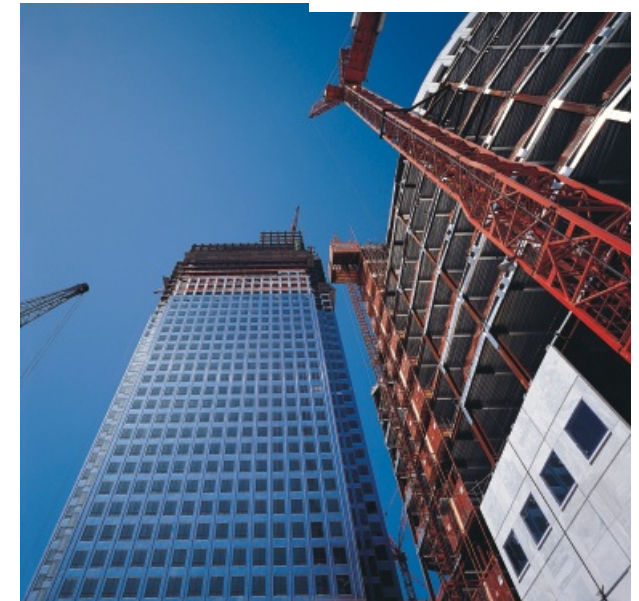
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Professional
Two-way Radio



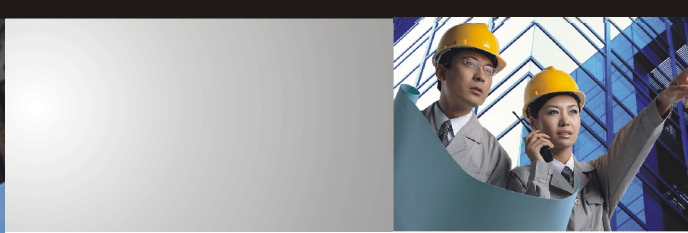
TC-446

Economical Commercial Radio



Economical Commercial Radio

The palm size and lightweight TC-446 portable radio will deliver you solid two-way performance at a very competitive price. Clear and crisp audio let you communicate exactly how you want. A rugged and ergonomic design ensures exceptional reliability and comfort, no matter where your work takes you.



1100mAh Ni-MH Battery

A Ni-MH battery provides more than 11hrs talktime for the industry standard 5-5-90 operating cycle.

CTCSS/ CDCSS

It enables users only hear calls from their own group for clearer, improved communications.

Priority Scan

Priority scan permits scanning of all channels while simultaneously monitoring a priority channel, allowing for activity even while receiving a call on another non-priority channel.

Wired Clone

Cloning enables duplication of radios in the field via a simple clone cable, without the use of a PC or special equipment.

Applications

The compact and lightweight TC-446 series can be used for a variety of applications. Here are a few examples of some key industries:

- Hospitality, such as hotel management.
- Event Management, such as corporate meetings and functions, major sporting and philanthropic events.
- Manufacturing
- Logistics and Distribution
- Construction
- Real Estate Management
- Agriculture

Key Features

Palm size and lightweight

The compact and ergonomic TC-446 series weigh only about 273g.

Communication range

300~700mW power output and communication range up to 2Km in open space

High-quality audio

Audio quality is critical for effective communications. The speaker delivers crisp and clear audio, allowing users to continue communicating even in noisy and harsh conditions.

Main Features

Battery Save

This feature minimizes the amount of battery power used when no signal is being received and no operation is being performed (no key is being pressed, and no switch is being turned).

Low Battery Alert

For extra convenience, the top-mounted LED flashes red or alert tone sounds to alert user to recharge the battery, when the battery level run low.

Time-out Timer (TOT)

This feature will time out communication after a predetermined time, allowing channel access to more users.

Busy Channel Lockout

The feature disables transmit if another talk group is already on the channel. A busy tone will be heard when the PTT is pressed.

PC Programming

Monitor

The feature is to monitor the activities on the current channel, and especially helpful in adjusting volume or receiving a weak signal.

Selectable Squelch Level (0-9)

The purpose of squelch is to mute audio output from the speaker when no signals are present. The higher the squelch level is selected, the stronger the signals must be to receive. The appropriate squelch level depends on ambient RF noise conditions.

Squelch Tail Elimination

The function will minimize the annoying audio outputs that occur at the receiver on completion of a transmission.



TC-446