General

Frequency Range	446.00625~446.09375
Channel Capacity	16
Channel Spacing	12.5kHz
Frequency Stability	±2.5PPM
Operating Temperature	-25～+55℃
Antenna Impedance	50Ω
Operating Voltage	DC7.4V
Dimension（H×W×D）	133×62×37mm
Weight（with antenna & battery）	230g
Battery	

Transmitter

RF Power（H/L）	0.5W
Modulation Type	8kΦF3E
Modulation Limiting	≤2.5kHz
FM Distrotion	≤5%
Residual FM	-35dB
Adjacent Channel Power	-60dB
Spurious and Harmonics	-36dBm ≤1GHz; -36dBm ＞1GHz

Receiver

Sensitivity	0.20μV
Adjacent Channel Selectivity	60dB
Intermodulation Reject Ratio	65dB
Spurious Response Reject Ratio	≥60dB
S/N	35dB
Rated Audio Power Output	≥600mW
Rated Audio Distortion	≤5%

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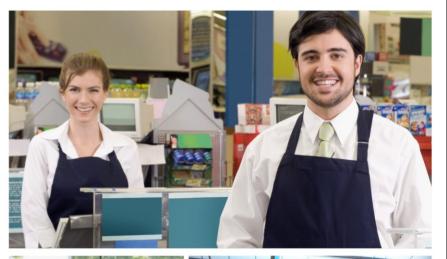
TH-446Plus
Super-value Two-way Radio

Best Choice For Elite Team

Main Features

● Ergonomic & Robust Design
● Battery Power Inquiry
● Voice Encryption & Emergency Alert
● Voice Compandor & Noise Filter
● Whisper

TH-446Plus

TH-446Plus is a compact-outlined professional two-way radio, embedded built-in voice compandor and noise filter, allowing easy and comfortable use. Its super-value functions are convenient and practical for coordination of scheduling and remote control.

Main Features

Eye-catching, Simple Outline
Compact outline, ergonomic design and anti-skid design make it comfortable to operate.

3 Programmable Keys
3 programmable keys can be programmed as desired functions by user.

Power-on Battery Power Indication & Power Protection
Power on the radio and LED will indicate residual battery power L1, L2, L3, and L4 by flash times: 1, 2, 3 and 4. L1 means the battery power is low. The transmission will be inhibited to protect the radio when the supplied voltage is higher or lower than the required voltage.

Auto Battery Save
When no signal is transmitted or received and no key is operated, several seconds later the radio will automatically enter battery save mode.

Main Functions

Voice Prompts
Voice prompts are available when switching channels and other function operation. This is specially designed for users such as work in the dim environment.

Voice Encryption
It provides enhanced security to public communication and private communication because of effective prevention of wiretap on the same frequency.

Whisper
Equipped with earphone you can speak quietly into the radio and still be heard clearly when this function is turned on.

Emergency Alert
Users in emergency situations can turn on this function to emit local alarm tone or send SOS message to control center or pre-defined person.

Monitor
You can press [MONI] key to hear a weak signal and it also helps adjusting volume when no signal is received.

Battery Power Inquiry & Low Battery Alert
User could inquire residual battery power by pressing function key. If the battery power is insufficient, user would be reminded to charge it.

VOX
Hands-free operation is available when VOX is on.

PTT ID
With this function, ENI would be sent when pressing or releasing [PTT] key thus it provides identification of radio to control center.

Scan
The radio begins scan every channel in scanning list when turn on this function.

TOT
The feature allows for more efficient use of channels by limiting the amount of time of each transmission. Also, it effectively avoids radio damage because of long-time transmission.

BCL
A channel is already in use is not available to others. It is used to prevent interference with the on-going conversation.

CTCSS/CDCSS
The signalling can avoid unwanted conversations on the same channel.

Wired Clone
To quickly set the parameters, you can clone the data from one radio to another one via standard clone cable.

PC Programmable
Frequency and various features can be set by PC programming.

Application

Stock, Logistics Industry
light-weight, clear voice and long talk-time ensure user manage the condition with ease in busy and noisy environment, even in the underground warehouse where monitor function would help ensure smooth conversation.

Hotel, Shopping Plaza, Super Market, Entertainment Places
light-weight feature and its VOX function can free your hands, so as to help you communicate and coordinate while provide considerate service to your customer. Whisper function enables you speak request quietly into the radio and still heard clearly, no worry to interfere the ardent conversations of customer.

Manufacturing Industry
Noise filtering provides TH-446Plus more advantages in noisy working environment and thus effectively to ensure the successful completion of all work.

Property Management, Enterprise Safety
Easy operation, clear voice, long talk-time and emergency alert can help safeguard successfully handle urgent events in very short time.

Accessories

Li Battery
BL1101
Battery Capacity:
1500mAh

Charger Adapter
PS10001
INPUT:100-240V~50/60Hz
OUTPUT:12V 1000mA

Charger
CL0600
Charge Current:
600mAh

Belt Clip
S01
Flexible Washer

Ear-piece Mic
EHK01

Other:
HK01 (Handed Mic& Speaker)
Two-inline