

## General

|                                 |                                    |
|---------------------------------|------------------------------------|
| Frequency Range                 | VHF: 136~174MHz<br>UHF: 400-470MHz |
| Channel Capacity                | 16(15+S)                           |
| Channel Spacing                 | 25.0kHz/ 12.5kHz                   |
| Frequency Stability             | ≥±1KHz                             |
| Operating Temperature           | -25~+55°C                          |
| Antenna Impedance               | 50Ω                                |
| Operating Voltage               | 7.5V                               |
| Dimension (H×W×D)               | 106×54×34.5mm                      |
| Weight (with antenna & battery) | 220g                               |
| Battery                         | 1600mAh (Li-ion Battery)           |

## Transmitter

|                        |                       |
|------------------------|-----------------------|
| RF Power (H/L)         | UHF: 4W/1W VHF: 5W/1W |
| Modulation Type        | 16kΦF3E/ 8kΦF3E       |
| Modulation Limiting    | 4.4~5kHz              |
| FM Distortion          | ≤5%                   |
| Residual FM            | -40dB / -35dB         |
| Adjacent Channel Power | -65dB / -60dB         |
| Spurious and Harmonics | ≤-36dBm               |

## Receiver

|                                |             |
|--------------------------------|-------------|
| Sensitivity                    | 0.2μV       |
| Adjacent Channel Selectivity   | 65dB / 55dB |
| Intermodulation Reject Ratio   | 55dB        |
| Spurious Response Reject Ratio | 60dB        |
| S/N                            | 40dB / 35dB |
| Rated Audio Power Output       | 700mW       |
| Rated Audio Distortion         | ≤5%         |

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Your Local Dealer



# TH-2800

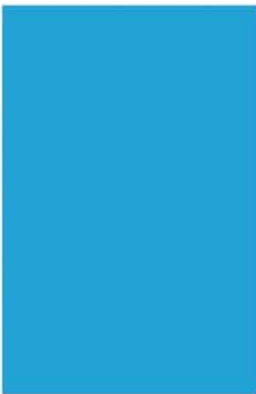
Professional Two-way Radio

## Small-sized Super value



### Main Features

- Compact size and lightweight
- Wide Frequency Range
- High-quality Audio
- Auto Battery Save



# TH-2800

HQT TH-2800 is a compact-outlined professional two way radio. With fashionable design, multi-functions, stable performance and wide frequency range. It is one of the most cost-effective models and convenient communication facility for user working in hotel, entertainment places, property and security management.

## Main Features

### Compact size and lightweight

Compact design makes TH-2800 easy to hold and carry, and it's very lightweight you can take it virtually anywhere.

### Wide Frequency Range

It is available on 136-174MHz and 400-470MHz, adaptable to most frequency regulations around the world.

### High-quality Audio

A powerful speaker ensures crisp and strong audio, even in noisy environments.

### Auto Battery Save

The radio automatically enters battery save mode 12 seconds after when no signal is transmitted or received and no key is operated.



## Main Functions

### Voice Prompts

This feature enables radio to report current channel. It brings convenience to users in special applications, such as working in the darkness.

### Monitor

To hear a weak signal, press MONI key. And it helps adjusting volume when no signal is received.

### Battery Power Indication & Alert

Upon press the function key, the radio sounds different sound to indicate the current battery level. And it also remind user to replace or charge the battery if the battery power is low.

### High/Low Power Switchable

The radio can be switchable for both low power and high power. When talk range is small, the radio can be switched to low power in order to save battery.

### Emergency Alert

Press the preset emergency key to emit emergency alarm, or send ENI or background noise to pre-defined person.

### VOX

Hands-free operation is available when VOX function is turned ON.

### PTT ID Encode (DTMF)

It provides identification of radio to control center, easy for communication management.

### Squelch (1~9 selectable)

It can minimize interference from undesired weak signals and enable weak signals to be heard.

### Squelch Tail Elimination

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

### Scan

This feature enable radio to scan each channels in scanning list by pressing function key to activate scanning, the user can detect which channel of partner in groups is available, then transmit signal to start communication.

### 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.

### Busy Channel Lockout (BCL)

BCL is used to prevent the interference with the on-going conversation.

### CTCSS / CDCSS

Unique CTCSS /CDCSS is useful to setup group users to avoid unwanted conversations on the same channel.

### 25KHz/12.5KHz Switchable

Different channel spacing 25KHz/12.5KHz is optional to confirm with the regulations of different countries.

### Wired Clone

To quickly set the parameters on a radio, you can clone the radio data from another radio with the clone cable, saving the time of parameter setting.

### PC Programming

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

## Application

### Super market, Hotel and Restaurant

Easy-to-carry TH-2800 with whisper function can help you provide considerate and quick service for your customers. And VOX function can free your hands, thus you can speak into the radio when provide service to your customers.

### Property Management

Easy operation, clear voice, long talk time and emergency alert can help safeguard successfully handle emergencies in very short time.

### Stock, Logistics Industry

Rain-resistance, long talk time, coupled with monitor function will ensure effective connection and fast organization of staff in various regions, no need to worry about the unexpected cut-off of the communication.

### Manufacturing Industry

It passed IP54 safety examination, thus can ensure smooth and clear communication even in noisy working environment.

## Accessories



**Antenna (UHF)**  
TH-2800U AF 40047002  
(400-470MHz)



**Li-ion Battery**  
BL1600  
Battery Capacity:  
1600mAh



**Charger Adapter**  
NLB100120V1U  
INPUT:100-240V-50/60Hz  
OUTPUT:12V 1000mA



**Ear-piece Mic**  
EHK01



**Antenna (VHF)**  
TH-2800: AH13615006  
(136-150MHz)  
AH 15017406  
(150-174MHz)



**Charger**  
CL0606  
Charge Current:  
600mAh



**Belt Clip**  
S03  
Flexible Washer



**Other:**  
HK01 (Handheld Mic & Speaker)  
Two-inline