

# Specification

## General

Frequency rang	409.7500---409.9875 MHz (P.R. China) 446.00625---446.09375 MHz (Europe) 462.5625---462.7125 MHz, 467.5625---476.7125 MHz (U.S.A) 448.7500-449.2625 MHz (Korea) 433.0750---434.7750 MHz (Russia) 325.0000---325.3250 MHz (Philippines) 477.5125---478.0000 MHz (Malaysia) 467.5125---467.6750 MHz (Taiwan) 463.9750---464.3750 MHz (South Africa) 245.1250---245.9875 MHz (Thailand) 446.00625---446.08125 MHz (Singapore)
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Channel	P.R. China: 20 U.S.A: 14 Russia: 69 Malaysia: 40 South Africa: 38 Singapore: 5	Europe: 8 Korea: 25 Philippines: 14 Taiwan: 14 Thailand: 80
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Channel Spacing 12.5 KHz

Operating Voltage 3.6V

Battery 800mAh (Ni-Cd)

Battery Life (5-5-90 duty cycle)  
With 800mAh Ni-Cd Battery More than 8 hours  
With 1100mAh Ni-MH Battery More than 10 hours

Frequency Stability  $\pm 5$  ppm

Operating Temperature -10°C~+50°C

Antenna Impedance 50 $\Omega$

Dimensions (L×W×H)  
(without antenna & battery) 99.4 mm×53.1mm×31.6mm

Weight (with antenna & battery) 162.6g

## Transmitter

RF Power Output	0.5W
Modulation	F3E
Spurious and Harmonics	$\leq 7.5\mu W$
FM Noise	34dB
Audio Distortion	$\leq 5\%$

## Receiver

Sensitivity	0.25 $\mu V$
Selectivity	55dB
Intermodulation	55dB
Spurious Response Rejection	60dB
S/N	38dB
Audio Power Output	250mW
Audio Distortion	$\leq 10\%$

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

## Standard Accessories



Drop-in Charger  
HC1688

Battery  
TB-61(AA Ni-Cd 800mAh)

Hand Strap  
(Black, Yellow, Blue)



Belt Clip

Adapter  
PDS-240

Leather carry case  
PT-19

## Optional Accessories



Leather carry case  
PT-18

Earpiece  
258V-S-P/258V-S-N

Earpiece  
258V-G-P/258V-G-N

Standard packing: main unit, Adapter, charger, battery pack, belt clip, user manual, and warranty card.  
Optional accessories: ear set, leather case (several colors provided).

Your Local Dealers



ISO9001:2000 Certificate NO:FM 61540

FC CE

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2105003C

# HYT

Two-way Radio

# TC1688



# FRS PMR446

## MAIN FEATURES

### 0.5 Watt, Up to 3Km Range

### Cost Free Operation

No license fee or airtime charges, just drop in 3 batteries ( Ni-Cd battery or Ni-Mh battery pack ) and talk.

### Voice Operated Transmission (VOX)

With the use of an appropriate headset, you can speak and listen to a radio conversation without having to use your hands.

### 38 CTCSS , Channel & CTCSS Scan

The radio will scan all channels when using normal channel and memory channels only when using memory channel.

### Auto Squelch

Four squelch levels are available with level 1 the lowest and 4 the highest, higher squelch level avoids interference of noises and/or unwanted signals.

### Monitor Function

Press monitor key to enable

### Voice Comander

Crisp, Clear and strong audio quality in virtually any noisy environment Low Level expansion allows further improvements in audio quality by reducing noise usually heard during pauses in conversation.

### Roger Tone

Release PTT when the conversation is over and the receiver will hear the roger tone.

### Time-out Timer(TOT)

Limits the amount of time a user can continuously transmit on a channel. This allows for more efficient use of the channel.



### 5 Different Call Tones

The user can choose from the distinct call tones.

### Communication Range Alert

The radio beeps when the users are almost out of the communication range.

### Button Beep

This feature can be enabled and disabled by the user.

### Large, Backlighted LCD Display

The large, backlighted LCD display provides quick recognition of operation & battery status and present settings with alphanumeric and icon characters. For enhanced nighttime viewing, pressing any key illuminates the LCD display, and if no key is operated, backlights shuts off automatically after a while.

### Stylish and Colorful, Lightweight and Wearable

Stylishly moulded in high-impact polycarbonate in a choice of three colors Black, Blue and Orange. The TC1688 fits in with the palm of your hand and come with an easy release belt clip.



### Battery Save , Low Battery Alert

The radio will enable battery save feature in standby mode. Pressing any key or receiving a signal will restore the radio to normal operation. For extra convenience, the low battery indicator and beeps warn the user to recharge soon or get a fresh battery in time.

### Clock and Alarm Clock

The radio can be set with clock display and alarm clock.

### Selectable Battery Type, Longer Battery Life

Ni-Cd battery, Ni-Mh battery are available which assure you the longer battery life tailored your need.

### Keypad Lock

Prevent change the current using channel and settings.

*Enjoy Your Free Communication in HYT TC 1688 FRS Radio*



Orange



Blue



Black

## APPLICATIONS

1. Hotel & Restaurant
2. Supermarket & Warehouse
3. Entertainment Spot
4. Tourism & Service Line
5. Retail & Wholesale Industry
6. Agriculture & Farming Industry
7. Minitype Construction Site
8. Residence Safeguard Management