

| General             |                                                                                                                   |
|---------------------|-------------------------------------------------------------------------------------------------------------------|
| Digital Protocol    | ETSI TS 102 361-1,-2,-3                                                                                           |
| Frequency           | UHF1: 400-470MHz                                                                                                  |
| Channel Capacity    | 512                                                                                                               |
| Zone Capacity       | 32                                                                                                                |
| Channel Spacing     | 12.5kHz/20KHz/25KHz                                                                                               |
| Frequency Stability | ±0.5ppm                                                                                                           |
| Operating Voltage   | 7.4V                                                                                                              |
| Battery Capacity    | 2500mAh(standard)                                                                                                 |
| Battery Life        | Analog: 16 Hours<br>Digital: 20 Hours<br>(5: 5: 90 working cycle, high power transmission)                        |
| Size (H x W x D)    | 116.5x54.5x35.5mm (with 2500mAh battery, without antenna)                                                         |
| Weight              | 285g (with 2500mAh battery and antenna)                                                                           |
| Screen              | 1.75-inch Blue/White LCD, 160*128                                                                                 |
| Vocoder             | AMBE++                                                                                                            |
| Layout              | Top: volume/switch knob x1, channel knob x1<br>Side: PTT key x1, programmable key x2, SOS key x1<br>A half keypad |
| External Interface  | 18-pin waterproof interface, support audio/programming                                                            |
| VOX                 | Support                                                                                                           |
| Roaming             | Support                                                                                                           |
| Real-time Clock     | Support                                                                                                           |
| Encryption          | Support 40/128/256bit basic private encryption                                                                    |

| Environmental             |                                                    |
|---------------------------|----------------------------------------------------|
| Operating Temperature     | -30°C ~ +60°C                                      |
| Storage Temperature       | -40°C ~ +85°C                                      |
| ESD                       | IEC 61000-4-2 (level 4) ±8kV (Contact) ±15kV (Air) |
| Dust and Water Resistance | IP67                                               |
| Reliability               | MIL-STD-810H                                       |

General Disclaimer:  
The specifications in this document are in accordance with the applicable standard test. Due to the continuous technology development, Caltta may change the specifications without notice.

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| Receiver                     |                                            |
|------------------------------|--------------------------------------------|
| Sensitivity (Analog)         | 0.18uV(12dB SINAD)                         |
| Sensitivity (Digital)        | 0.18uV (5% BER)                            |
| Adjacent Channel Selectivity | 60 dB@12.5KHz/70 dB@20/25KHz (TIA603A) -1T |
|                              | 45dB@12.5KHz /70 dB@20/25KHz (TIA603D) -2T |
|                              | 60dB@12.5KHz /70 dB@20/25KHz ( ETSI )      |
| Intermodulation              | 70 dB (TIA603D)                            |
|                              | 65 dB (ETSI)                               |
| Spurious Rejection           | 70 dB (TIA603D)                            |
|                              | 70 dB (ETSI)                               |
| Blocking                     | 80dB(TIA603D)                              |
|                              | 84dB(ETSI)                                 |
| Co-channel Rejection         | -12~0 dB @12.5KHz/-8~0 dB @20/25KHz        |
| Hum and Noise                | -40 dB@12.5KHz /-43 dB@20KHz /-45 dB@25KHz |
| Rated Audio Power            | 0.5W                                       |
| Max Audio Power              | 2.0W                                       |
| Rated Audio Distortion       | ≤3% (typical value)                        |
| Audio Response               | +1~-3dB (TIA603D)                          |
| Conducted Spurious Emission  | -57 dBm (TIA603D)                          |

| Transmitter                  |                                                    |
|------------------------------|----------------------------------------------------|
| RF Power Output (Low)        | 1 W                                                |
| RF Power Output (High)       | 4W (UHF1)                                          |
| FM Modulation                | 12.5KHz: 11K0F3E / 20KHz: 14K0F3E / 25KHz: 16K0F3E |
| 4FSK Digital Modulation      | 12.5KHz Data Only: 7K60F1D&7K60FXD                 |
|                              | 12.5KHz Voice Only: 7K60F1E&7K60FXE                |
|                              | 12.5KHz Voice And Data: 7K60F1W                    |
| Conducted/ Radiated Emission | -36dBm ≤1GHz ; -30dBm >1GHz                        |
| Modulation Limiting          | ±2.5KHz @12.5KHz /±4KHz @20KHz /±5.0KHz @25KHz     |
| FM Hum and Noise             | -40 dB@12.5KHz /-43dB@20KHz /-45 dB@25KHz          |
| Adjacent Channel Power       | 60 dB@12.5KHz /70 dB @20/25KHz                     |
| Audio Distortion             | ≤3% (typical value)                                |
| Audio Response               | +1~-3dB(TIA603D)                                   |



Privacy Statement:  
Caltta Technologies is a leading provider of comprehensive critical communication solutions and committed to protecting personal data in accordance with applicable laws and regulations and with technologies including anonymization and data encryption and necessary security management measures.

Digital Portable Radio  
Professional and Outstanding



MODEL DH560

www.caltta.com

# Features

## Compact and Portable

Compact design makes DH560 only 285g(anten-na and battery included) and portable. The surface is designed with anti-slip texture, making it comfortable to hold and anti-slip even in wet environments. The classic dual-knob makes it easier to operate.

## Digital-and-analogue Compatible

Digital-and-analogue compatible, DH560 realizes the smooth evolution of the system. It also supports digital direct/repeater modes, dual time slots, and automatic cross-site roaming.

## Large-capacity Battery

With a 2500mAh large-capacity battery, DH560 can work for at least 20 hours in digital mode (5:5:90), meeting the needs of long work shifts

## Loud and Clear Voice

With a 2W speaker and optimized audio design, DH560 ensures clear communication even in a noisy environment.

## Rugged and Reliable

IP67 and MIL-STD-810H rated, DH560 is resistant to water, extreme weather, and drop and shock at various levels.

## Abundant Services

Support abundant functions, like real-time time display and VOX, to meet the requirements of different industries. It can also expand dispatching services, realizing radio check, remote stun/revive, etc.

## Full Encryption

Support 40/128/256bit basic private encryption to improve call security and avoid information leakage. It can also guarantee users' safety with functions like lone worker and alarm.

# Scenarios



Hotels



Residential Area



Shopping Malls



Commercial Center

# Accessories

| Standard                                                                              |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |
| Antenna                                                                               | Belt Clip                                                                             | 2500mAh Li-ion Battery                                                                | Power Adapter                                                                         | Desktop Charger                                                                       |
| Optional                                                                              |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|  |  |  |  |  |
| 8-way Charger                                                                         | Programming Cable                                                                     | C-Style Earpiece                                                                      | Audio tube Earpiece                                                                   | D Earpiece                                                                            |