

# HH1077

5W, 30-88 MHz VHF Handheld Transceiver

TACTICAL VHF



## Introducing the NEW HH1077 Tactical VHF Radio

### Power in Your Hand

Datron's HH1077 is a compact and lightweight VHF/FM handheld transceiver that provides communications capability in the 30 to 88 MHz band.

The HH1077 offers 2,320 channels at 25 kHz spacing with 15 programmable preset channels available via the rotary knob and 100 additional channels available through the keypad.

RF power output levels of 500mW, 2W and 5W are user selectable.

The HH1077 offers VOX for hands-free operation and Whisper mode.

The radio configuration can be cloned from another radio.

The HH1077 offers an optional embedded voice scrambler\* that provides an effective means of secure communications.

It is interoperable in FM clear-voice mode with the PRC1077, the Spectre-V® series (PRC2100/2150), the HH7700, and most other single-channel 30-88 MHz VHF/FM radios using a 150 Hz tone-squelch or CTCSS squelch system.

The HH1077 radio is easy to operate and is rugged and immersible by design.

Datron offers a standard capacity battery permitting up to 20 hours of uninterrupted service.

### Features

- 15 Channels
- 150-Hz and CTCSS (PL) Squelch
- Keypad/Display
- Optional Voice Scrambler
- Hi/Mid/Low Power Levels
- Rugged Construction per MIL-STD-810
- Immersible per IP67
- Full Range of Accessories
- Easy to Operate
- VOX Mode
- Whisper Mode



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# HH1077

## 5W, 30-88 MHz VHF Handheld Transceiver



### GENERAL

- **FREQUENCY RANGE:** 30 MHz to 87.9875 MHz
- **CCIR EMISSION TYPE:** 26K0F3E (Wide)
- **MODE:** SIMPLEX, HALF DUPLEX
- **CHANNEL SPACING:** 25 kHz (Wide)
- **TOTAL PRESET CHANNELS:** 15
- **MODULATION:** 26K0F3E Wideband FM - Compatible with HH7700, PRC1077, and Spectre V radios in FM mode
- **DISPLAY:** Alphanumeric LCD, 14 segments, 5 digits plus icons
- **PROGRAMMING:** Computer Programmable
- **COMSEC:** Optional Voice Scrambler\*
- **CURRENT CONSUMPTION**
  - TX: Less than 2.5A @5W
  - RX: Less than 0.6 A
  - Stby: Less than 80 mA
- **BATTERY LIFE:**
  - HH-3900BAT: 3900 mAh Li-Ion, 20 hours expected life

### ENVIRONMENTAL

- **TEMPERATURE:** -30°C to +60°C
- **IMMERSION:** Immersible per IP67

### MECHANICAL

- **SIZE (HxWxD includes HH3900BAT):** 5.5 in. x 2.7 in. x 1.8 in. (13.97 cm x 6.36 cm x 4.57 cm)
- **WEIGHT:** 1.12 lbs. with battery and belt clip
- **COLOR:** Olive drab green

### RECEIVER

- **RECEIVER TYPE:** Dual Conversion, Super Heterodyne
- **SENSITIVITY:** Better than -116 dBm @ 12 dB SINAD
- **SQUELCH:** 150-Hz Tone, CTCSS (39 tones)
- **AUDIO DISTORTION:** ≤ 5%
- **AUDIO OUTPUT:** 400mW (≤ 5% distortion), 500mW max.
- **OUTPUT IMPEDANCE:** 8Ω

### TRANSMITTER

- **OUTPUT POWER:** Hi: 5W, Mid: 2W, Low: 500 mW (nominal)
- **ANTENNA IMPEDANCE:** 50Ω
- **FREQUENCY STABILITY:** ± 2.5 ppm (-30°C to +60°C)
- **FM HUM & NOISE:** > 45 dB
- **SPURIOUS RESPONSE:** < -35 dB
- **MODULATION:** Direct frequency modulation
- **DISTORTION:** < 5%

### MAJOR ACCESSORIES

- **HH-3900BAT** 3.9 AH Li-Ion battery
- **HH-CHG2** Battery charger
- **HH-CHG3** Mobile battery charger
- **HH-ANT1** Flexible 30-88 MHz antenna
- **HH-MIC2** Speaker/microphone
- **HH-SCR1** Voice Scrambler\*

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\* Subject to export regulations  
Specifications subject to change without  
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