

HH2100V

Spectre V[®] Tactical VHF Handheld

SPECTRE[™] V



Introducing the New
Spectre V[®] Handheld Radio.



Datron's Spectre V[®] radios offer secure communications in ruggedized form-factors, provide a sophisticated feature-set, and utilize a simplified user interface for ease of operator training. The HH2100V is a high performance, competitively priced, tactical handheld radio that features embedded ECCM, COMSEC, and GPS capabilities. It is designed to satisfy the demanding needs of today's sophisticated tactical communications arena. The HH2100V meets MIL-STD-810 for reliable operation in harsh environments.

The HH2100V addresses today's most pressing battlefield needs by incorporating a full range of embedded features. Accurate position and time-of-day capability is afforded by the embedded GPS receiver. Full- or partial-band frequency hopping and digital encryption waveforms offer a high level of jamming resistance and security encryption.

As part of the complete line of Spectre V radio solutions, the HH2100V is fully interoperable in all encryption and hopping modes with the companion PRC2100V manpack radio. The HH2100V can be used in a network with the PRC2100V providing base station, vehicle, manpack, or retransmit capability.



- 30 to 88 MHz
- 100 programmable memory channels
- Rugged (MIL-STD-810) immersible to 1m
- Up to 5W Output power in 3 programmable steps
- Excellent co-site performance
- Module level Built-In Test (BITE)
- Embedded ECCM, COMSEC & GPS functions
- GPS Reporting functions
- Short Messaging functions



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Subject to export regulations

Specifications subject to change without notice - rev 150119

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Made in the USA

GENERAL

- FREQUENCY RANGE 30 to 87.975 MHz;
- CHANNEL SPACING 25 kHz
- PRESET CHANNELS 100 programmable memory channels - all mode information individually programmable per channel
- SCANNING Any or all channels in a group (up to 100)
- CHANNEL PROGRAMMING From front panel, a fill device, or remotely via computer
- MODES Supports all Spectre V Family Hopping and Encryption modes
- BATTERY PACK Rechargeable Lithium-Polymer (3400 mAh) delivering in excess of 8 hours of mission life
- LOW BATTERY INDICATOR LCD battery icon
- ANTENNA PORT 50 ohm N-type connector
- DISPLAY LED backlit, multi-function LCD

MECHANICAL, ENVIRONMENTAL

- SIZE 10" x 3.4" x 1.9" (254 mm x 86 mm x 48 mm); H x W x D, including battery pack.
- WEIGHT 2.65 lbs. (1.2 kg), with battery
- PACKAGE Available in Olive Drab, Black, or Tan Powder Coat, sealed, including battery pack
- TEMPERATURE -20 to +60 degrees C, operating
- ENVIRONMENT MIL-STD-810G
- IMMERSION 1 meter, 30 minutes

TRANSMITTER

- RF POWER OUTPUT 500mW to 5W (3 software adjustable settings)
- DUTY CYCLE Continuous service, all modes
- HARMONICS Greater than -46 dBc

RECEIVER

- SENSITIVITY -113dBm @ 12 dB SINAD
- SQUELCH 150 Hz Tone or carrier; compatible with AN /PRC77, PRC1077, PRC1080
- AUDIO Greater than 85 DBSPL from internal speaker, External Connection for standard H250 Handset

INTERNAL FEATURES

- ECCM Full, partial-band, or multiple partial-band frequency hopping
- COMSEC 2 COMSEC modes (40 and 64 bit)
- GPS Internal GPS receiver with button antenna or connection for external antenna
- OTHER Programmable Channel Access Control
Selective Calling with Call Alert for Unit, Group, and All Level Calling.
10 Programmable Short Messages available
Short message alert and viewing on radio screen
GPS Reporting by time or PTT



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