



Heathkit deluxe QRP CW transceiver

SKILL LEVEL 3 The Heathkit HW-9 is a compact 80 through 10 meter HF transceiver created with the avid low-power CW operator in mind. Designed to cover the lower 250 kHz of the 80, 40, 20 and 15 meter amateur bands, the HW-9 can also cover the 30, 17 and 12 meter WARC bands and the lower 250 kHz of the 10 meter band with the optional HWA-9 Band Pack.

Broadband design means you no longer need to tune circuits within a band. Just turn the band switch and select the desired frequency. The wide-band front-end uses a double-balanced mixer and 4-pole crystal filter to handle wide dynamic range signals with ease and to eliminate the customary RF amplifier in the receiver section.

The HW-9 uses a single conversion in the main signal path to reduce spurious responses and to maintain superior image rejection. In addition, a balanced product detector followed by an active audio filter provides outstanding performance. And, Receiver Incremental Tuning (RIT) lets you tune the receiver 1 kHz above or below the transmit frequency.

Microelectronic circuits reduce transceiver weight, while providing a level of performance and features you wouldn't expect at this price. Features

include continuously variable RF power output up to four watts, relative signal/power strength meter and AGC circuits.

Rugged and lightweight, the HW-9 is ideal for portable operation. You can supply power to your HW-9 with batteries, lighter socket, solar photovoltaic array or by 120 VAC with the optional PSA-9 Power Supply. Dimensions are 4¼" H x 9¼" W x 8½" D.

Kit HW-9 (8 lbs.) **\$249.95**

Accessories:

SKILL LEVEL 2 **Band Pack.** Expands the transmission and reception capabilities of your HW-9 Transceiver from four to eight amateur bands. Provides full coverage on all the amateur bands from 80 through 10 meters.

Kit HWA-9 (1 lb.) **\$44.95**

SKILL LEVEL 1 **Power Supply.** 12.6-volt, 1-ampere, voltage regulated power source.

Kit PSA-9 (4 lbs.) **\$39.95**

Specifications: **TRANSMITTER: RF Output Power:** 4 watts, except 3 watts on 10 meters.

Transmitter Frequency Offset: App. 700 Hz.

Antenna Load Impedance: At least 90% of rated power with less than 2:1 SWR. Protected against high SWR. **Harmonic & Spurious Radiation:** -35 dB & -40 dB maximum, at rated output.

T/R Operation: CW, full break-in. **RECEIVER:**

Sensitivity: 0.2 μV for readable signal; 0.5 μV or less for 10 dB S + N/N.

Selectivity: Wide, 1 kHz max. @ 6 dB; Narrow, 250 Hz @ 6 dB.

Dynamic Range: 85 dB. **Image & IF Rejection:** 60 dB, min.

Audio Hum Noise: -60 dB. **Audio Output:**

1 watt into 8Ω.



Companion station speaker to HW-9

SKILL LEVEL 1 The Heathkit Station Speaker is a 3" communications receiver speaker housed in a custom designed cabinet to match the HW-9 QRP transceiver, shown above. The 8-ohm speaker has a frequency response of 200 to 5000 Hz and can handle 1.5 watts RMS. Dimensions are 8" H x 4½" W x 6¾" D.

Kit SP-99 (3 lbs.) **\$29.95**