



SPECIFICATIONS

MODEL SB-102

SSB TRANSCEIVER



The Heathkit SB-102 . . . proud descendent of the rigs that put many thousands of hams on the air . . . the famous "100" and "101". With a heritage like this you expect greater value, top performance, unequalled versatility and high reliability — and you get it.

Solid-State Linear Master Oscillator . . . the heart of the SB-102. Heath leadership in producing rigs that are rock-stable and highly accurate is well known, and the "102" is no exception. The new solid-state LMO delivers frequency stability, linearity and resettability characteristics seconds to none . . . compare these specs against any rig at any price. And the "102" also warms up in half the time of most other transceivers. For easier, more accurate tuning, the new solid-state LMO features 1 kHz dial calibration and bandspread equal to 10 feet per Megahertz . . . sorting out those closely-packed stations is a breeze with the "102". And to assure exceptional accuracy and make kit assembly faster, the LMO is factory assembled and precisely aligned.

Hotter Receiver Circuitry . . . lets you pull in stations that just aren't there on other rigs. Sensitivity is better than 0.35 μ V for 10 dB (S+N)/N ratio . . . gives you solid copy longer when the band is on the way out.

Power Input Consistent With Maximum Versatility. The SB-102 delivers 180 watts SSB PEP input . . . more than sufficient to let you get out with a good, healthy signal. This power level permits using the right tubes for the job — rugged, dependable, low cost 6146's specifically designed for RF work — and does not require eliminating useful features to pay for increased power. The "102" is ideally suited for driving a grounded grid linear, such as the Heathkit SB-200 or SB-220, for a really big signal without the problems of excessive drive.

Exclusive Heath TALC (Triple Action Level Control)TM compresses the speech waveform without flat-topping. This ALC voltage is derived from three separate points to assure maximum transmitter output without overloading . . . peak positive grid current on the finals is rectified and fed to the ALC circuit . . . variations in the final screen supply

produce additional ALC voltage . . . ALC voltage from an external linear amplifier can also be fed to the SB-102 through the built-in jack on the rear panel. The clean, undistorted signals of the Heath SB-Series are often used as a standard of comparison . . . and TALC is one of the big reasons.

Maximum Operating Versatility And Convenience At Lowest Cost. When the Hams at Heath design a rig, it always has the necessary features to do the job . . . and do it well. That's why the "102" has many of the "extra cost options" of other transceivers already built-in. VOX operation, for instance, which is optional at extra cost on many other transceivers, is built-into the "102". So is the CW sidetone, which allows you to monitor your code. The 100 kHz crystal calibrator is also designed in from the start, instead of having to be added at an extra-cost option. Phone Patch capability, which would require extensive modification on some other rigs is also built-in. The list of standard features on the "102" is very long . . . but all these items are necessary for smooth, efficient, enjoyable operations. Check this run-down of standard features against any other transceiver . . . complete coverage of the ten meter band without having to buy any additional crystals . . . switch-selected choice of either USB or LSB on all bands . . . auxiliary crystal control capability . . . front panel headphone jack . . . switch-selection of built-in 2.1 kHz or optional 400 Hz CW crystal filter . . . separate headphone volume control . . . two spare rear panel jacks for connection of other gear . . . choice of power supplies left to you, instead of being built-in.

Other Features Include compatibility with the most complete line of station accessories available . . . fast, enjoyable circuit board-wiring harness construction . . . handsome Heathkit SB-Series styling . . . and the flexibility of operation and reliability that have made the Heathkit SB-Series the world's most popular ham gear.

Check out the world's finest transceiver . . . the SB-102.

HEATH
Schlumberger

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