

GENERAL

Tube Complement:	1 - 6BA8: Oscillator/Tripler (Pentode Section) Tripler (Triode Section)
	1 - 6BA8: Doubler (Triode Section) Final RF Amplifier (Pentode Section)
	1 - 6BS8: Receiver Preamplifier and Detector.
	1 - 12AX7: Speech Amplifier and First Audio Amplifier.
	1 - 6AQ5: Audio Output and Modulator
Cabinet Dimensions:	8" high (including handle). 8" deep (including knobs). 9-3/4" wide (including license holder).
Net Weight:	6-1/2 lbs.
Shipping Weight:	10 lbs.

Minor variations from these specifications may be encountered in kit-assembled equipment. Such factors as exact lead placement, component variations and normal variations in tube characteristics are possible sources of deviations. Such variables will ordinarily have no significant effect on overall performance.

INTRODUCTION

The HEATHKIT Model HW-30 Transceiver is a combination transmitter and receiver for use in the 2-meter amateur radiotelephone service.

interest of acquiring a good understanding of the transceiver and its capabilities.

Extensive proofbuilding and field testing over a period of several months have provided conclusive evidence that the HW-30 Transceiver will provide highly reliable service in its intended application, if assembled, wired and adjusted in accordance with the instructions outlined in this manual. It is, therefore, recommended that you follow the instructions carefully and make full use of the Circuit Description, Block Diagrams, Schematic Diagram, Installation Information, etc., in the

The HW-30 Transceiver has a self-contained power supply for operation from a 117 volt 50/60 cycle AC power line, or can be operated from either a 6 volt or a 12 volt battery by using an external power supply having a rating of 250 volts B+ at 90 ma.

The HW-30 can be used with a wide variety of antenna types; an antenna should be selected for the transceiver on the basis of the application involved. See Page 37 for a discussion of suitable antenna types.