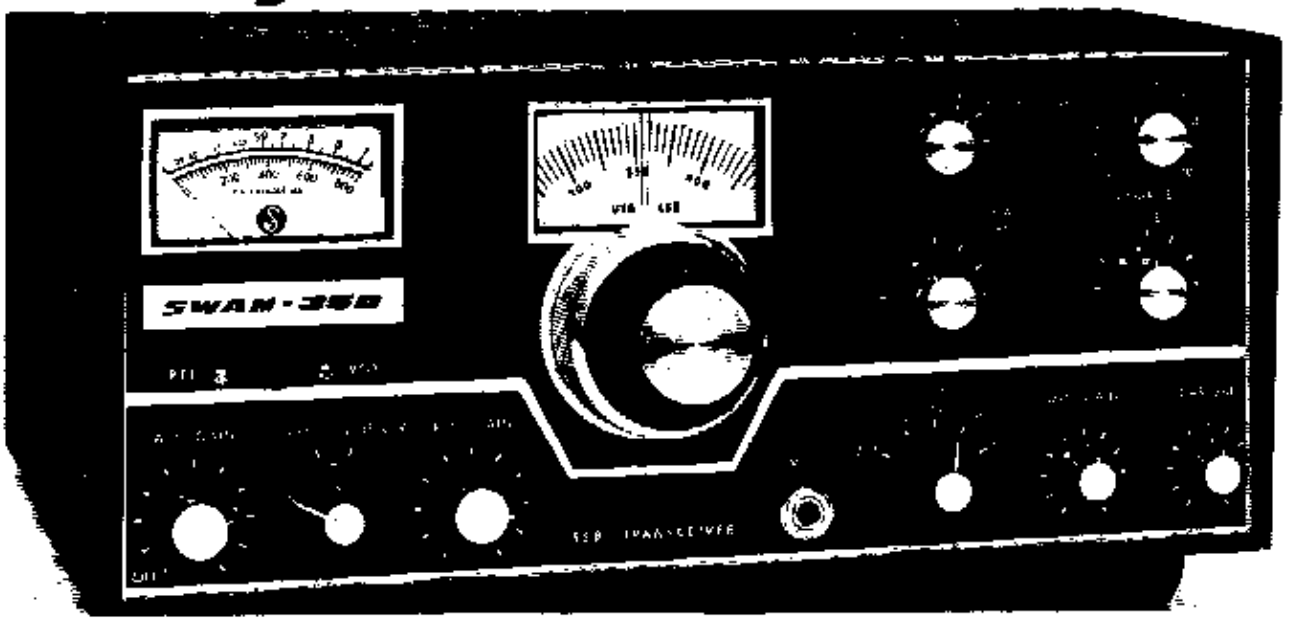
OPERATION and MAINTENANCE
MODEL 350 SERIES
Single Sideband Transceiver



INTRODUCTION

The Swan Model 350 Single Sideband Transceiver together with its accessories and optional equipment, is designed to be used in either CW or SSB modes on all portions of the 80-, 40-, 20-, 15-, and 10-meter amateur radio bands. AM (SSB with carrier) operation is possible by zero-beating the received signal.

Model 350 generates the single sideband signal by means of a crystal lattice filter, and the transceive operation automatically tunes the transmitter to the received frequency. Provisions are included in the transceiver for operation on the most used sideband for each frequency range, and provisions for other sideband coverage are available as an optional kit.

Basic circuitry of the single conversion design has been proven in thousands of hours of operation of the popular Swan 100 and 240 series of transceivers. Mechanical, electrical, and thermal stability are exceptionally high. All oscillators are temperature compensated and voltage regulated. Push to talk operation is provided in all installations, and operation with a two contact microphone is possible through use of the optional VOX accessory.

The basic transceiver provides coverage of all portions of the 80- through 15-meter bands, and one 500 kc portion of the 10-meter band. Complete coverage of the 10-meter band is possible through the use of an optional modification kit.

With a suitable power supply, operation may be fixed, portable, or mobile. Power input on all bands exceeds 400 watts, PEP, on single sideband, and 320 watts, dc input, on CW. The basic transceiver includes automatic gain control (AGC), automatic level control, (ALC), and grid-block CW keying.

Part I of the instruction manual covers the basic transceiver. Part II covers the recommended power supplies, Model 117C for ac operation, and Model 412 for 12-volt dc operation.

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