

OPERATION AND MAINTENANCE

SWAN MODEL 700-CX

Transceiver



INTRODUCTION

The Swan Model 700CX Transceiver together with its accessories and optional equipment, is designed to be used in either CW, AM or SSB modes on all portions of the 80-, 40-, 20-, 15-, and 10 meter amateur radio bands. Many of the MARS frequencies may also be covered by using the Model 510X oscillator accessory.

The Model 700CX generates a single sideband signal by means of crystal lattice filter, and the transceive operation automatically tunes the transmitter to the received frequency. Provisions are included in the transceiver for operation on either upper or lower sideband.

Basic circuitry of the single conversion design has been proven in several thousand of the popular Swan transceivers. Mechanical, electrical, and thermal stability is exceptionally high. All oscillators

are temperature compensated and voltage regulated. Push-to-talk operation is standard, with provision for plugging in the Model VX-2 accessory VOX unit for automatic voice control and CW break-in.

Operation may be fixed, station, portable, or mobile. Power input exceeds 700 watts, PEP, on single sideband, 400 watts on CW, and 125 watts on AM. The Model 700CX includes automatic gain control (AGC), automatic level control (ALC), automatic noise limiter (ANL), grid block keying, CW sidetone monitor, and provisions for break-in CW.

Recommended power supplies are the Model 117-XC for 117 volts AC operation, the Model 230-XC for 230 volts AC, and the 14-117 for 12-14 volts DC. These power supplies, as well as other accessories, are described in later sections of this manual.