

Portable SSB Transceiver



Because of its ruggedness and reliability, our original SBX-11 radiotelephone became accepted as the industry standard for portable radios throughout the world. It has since been modified to meet the most exacting requirements of all users, and re-designated the SBX-11A.

10 WATTS - FOUR CHANNEL - SIMPLEX OR SEMI-DUPLEX

The weatherproof case and mechanical construction has proved extremely durable in all environments, and its bright orange finish marks it as essential equipment, readily visible in all surroundings. With the newest features and up-dated circuitry now employed, the SBX-11A is destined to carry on in the same fine tradition as the SBX-11, earning and establishing its own reputation.

SBX-11A PORTABLE SSB TRANSCEIVER

GENERAL DESCRIPTION

The SBX-11A is a four channel, all solid state, portable SSB transceiver having a power output of 10 Watts PEP. Each channel is capable of simplex or semi-duplex operation within the frequency range of 1.6 to 8.0 MHz. A frequency range of 1.6 to 10.0 MHz is offered as an option to countries outside Canada and the United States.

The internal power supply consists of nine 'D' cell batteries. These may be rechargeable alkaline or nicad, or they may be disposable alkaline.

The entire unit, including transceiver, batteries, and microphone, is enclosed in a rugged corrosion resistant weatherproof aluminum case. Total weight is 3.6 Kg (8 lbs.).

An optional mounting kit, AC-14S, adapts the SBX-11A for mobile service. The optional AC-18K Battery Charger (D.C.) is required, plus either the AC-19H or AC-19K rechargeable battery packs.

The SBX-11A is approved in Canada under D.O.C. RSS 160, No. 103801002 and in the United States per FCC Regulation Part 91.



TECHNICAL SPECIFICATIONS

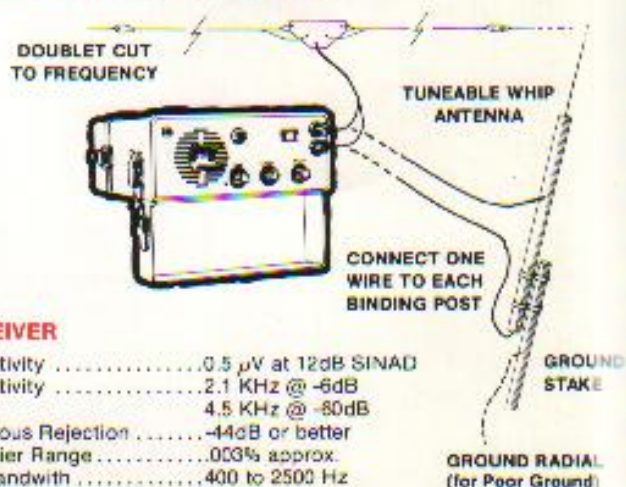
GENERAL

Frequency Range	1.6 to 8.0 MHz (Canada) 1.6 to 10 MHz (elsewhere)
Number of Channels	Four, crystal controlled Simplex or Semi-Duplex
Frequency Stability	± 50 Hz
Power Consumption	Receive: 25mA Transmit: 600mA (avg.)
Temperature Range	-30°C to +50°C
Overall Dimensions	33 cm (12.75") long 23 cm (9") wide 9 cm (3.5") high
Weight	3.6 Kg (8 lbs.)

TRANSMITTER

Power Output	10 Watts PEP (max.) @ 28dB IMD
AF Bandwidth	400 to 2500 Hz @ 3dB
RF Output	Adaptable to 50 ohm coax, 50 or 70 ohm twin lead, or open wire to tuned vertical antenna.
Carrier Suppression	50 dB below PEP

TYPICAL ANTENNA INSTALLATION



RECEIVER

Sensitivity	0.5 µV at 12dB SINAD
Selectivity	2.1 KHz @ -6dB 4.5 KHz @ -80dB
Spurious Rejection	-44dB or better
Clarifier Range	0.03% approx.
AF Bandwidth	400 to 2500 Hz
AF Output	250 mW

ACCESSORIES

AC-14S	Mobile mounting kit.
AC-15J	Cable — external battery.
AC-18J	Battery charger A.C.
AC-18K	Battery charger D.C.
AC-19I	Alkaline battery pack — non rechargeable
AC-19K	Ni-CAD battery pack — rechargeable
AC-62A-1	Tone Oscillator (1 KHz)
AC-62-C	Speech gate kit (squelch)

SAT-1	Short wire antenna tuner
STA-133	Half-Wave doublet antenna (specify frequency required)
STA-213A	'Talking Stick' Tuneable portable antenna: 1.6 - 6.5 MHz
STA-210B	'Talking Stick' Tuneable portable antenna: 2.0 - 8.0 MHz
STA-210C	'Talking Stick' Tuneable portable antenna: 2.3 - 9.1 MHz
STA-210D	'Talking Stick' Tuneable portable antenna: 3.5 - 13.4 MHz

STA-250	'Packset' Tuneable portable antenna: 2.0 - 15.0 MHz
STA-270A	'Ranger' Tuneable mobile antenna: 1.6 - 6.5 MHz
STA-270B	'Ranger' Tuneable mobile antenna: 2.0 - 8.0 MHz
STA-270C	'Ranger' Tuneable mobile antenna: 2.3 - 9.1 MHz
STA-270D	'Ranger' Tuneable mobile antenna: 3.5 - 13.4 MHz

You're always in touch with...

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