

SG-2000 Transceiver



The multi-mission HF SSB transceiver with multiple control head options



SGC Catalog Number: 04-01

The SG-2000 is a high-end, multi-mission transceiver designed to meet the demands of a wide range of users—maritime, commercial, aviation, military, and amateur.

Its design incorporates a solid RF deck with various control head options—all of which can be remotely mounted, depending upon mission requirements.

Robust design and construction features provide long life under severe conditions. A high-power transmit section provides 150 watts output and utilizes four power transistors, providing 50% reserve capability.

All transceiver functions are readily accessible through a large key-pad. The large LCD displays channel and frequency for easy view—even from a distance.

- 644 ITU voice and data channels pre-programmed, along with amateur radio frequencies
- SITOR Telex channels permanently etched into memory
- 100 User-programmable frequencies
- Instant emergency revert to 2182 kHz with Auto-Alarm distress call
- 5-year warranty & 5-year proven performance
- Scans up to 100 channels

Multiple heads: the SG-2000 offers six, including:

- the standard head (as shown above)
- the PowerTalk with DSP and spinner-knob operation
- remote heads for aviation and mobile control by laptops or PCs



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Open architecture

SGC designs every HF-SSB radio and component for future updating. In fast-moving technology, hardware and firmware upgrades of the basic transceiver platform keep your equipment current as technology changes.

Standard Control Head

Ideal for maritime use, large, illuminated control buttons provide easy and instinctive transceiver operation. The LCD display is unusually bright and big, for high visibility. The built-in front-panel speaker puts out up to four watts of audio.

The optional RS-232 interface allows complete computer control (except audio). An optional high capacity cooling fan kit allows for continuous operation. The direct entry VFO allows you to program in any frequency directly from the keypad.

Fully programmable for all HF-SSB and ham frequencies. Can also be used to program other SGC control heads. Measures 4.6" H x 10" W x 2" D (head only). Remotable to more than 20 feet. Supports multiple heads.

Control Head Options

The SG-2000 supports control head options:

PowerTalk head: advanced ADSP[®] and SNS[®] technology packed into a slim, state-of-the-art package. Spinner knob for hands-on tuning.



Cat. No. 04-22

Aviation head: especially designed for easy installation in aircraft instrument panels.

Mobile head: 99 channels with a simple LED display, volume knob, built-in speaker. Measures 1.5" H x 5.8" W x 7.5" D.



Cat. No. 04-16

Special-purpose: mobile head with Selective Calling; mobile head featuring digital signal processing; and laptops or PCs.



Cat. No. 52-76



No Compromise
Communications

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SG-2000



Specifications:

Channels: 100 channels,
user-programmable;

644 channels ITU voice and
data, factory programmed

Scan channels: up to 100

Scan banks: 6 groups of 10
channels each

Frequency range, TX:

1.6 to 30 MHz

Frequency range, RX:

.5 to 30 MHz

Power output: 150 watts PEP

Frequency stability:

± 10 Hz

Operating modes:

J3E, H3E, R3E, J2B

and CW in LSB and USB

Display: LCD for frequen-
cy or channel, with

annunciators

Metering: S-meter for-
ward or reflected power

Keypad: 21 keys including
power, up/down, all
functions

Alarm generator:

ITU programmed

For operation: 12 VDC

Squelch: Voice operated
with syllabic detection

Speaker: internal

RF Input/Output: 50 Ω

RTTY, ARQ, FEC, PACKET:

Ready and compati-
ble (modem optional)

AFSK Input/Output

impedance: 600 Ω

Intercom: Between all
control heads

Full remote control:

up to 8 stations

Dimensions: 4.6" H x
10.2" W x 13" D