



SEA 330

300W HF/MF SSB Radio System



- GMDSS compliant for SEA Areas A3/A4.
- 300 watts of output power providing a strong signal under the most difficult conditions.
- Advanced operating system are user friendly
- Compact remote control unit.
- Large easy to read backlit display.
- High quality audio from large up-front speaker.

SEA long recognized as the leader in design and production of high quality NMEA award winning MF/HF Single Side Band radios introduces the SEA 330. The SEA 330 is an affordable 30MHz 300W (150W below 4MHz) SSB radio system comprised of the 3301G Remote Transceiver Unit, 3300 Remote Controls (up to 4) and SEA 1630 antenna tuner, operating @ 24 VDC.

The American designed and manufactured SEA 330 SSB radio is compliant to FCC and CEPT requirements. Designed or extended transmit duty at high power levels, its innovative design makes the 330 a high performance radio system that also incorporates maximum features into minimum space. The durable and attractive SEA 330 is pre-programmed with 1,000 stored channels with capacity for up to 90 user-programmed frequencies. Built-in features include telex compatibility; voice and telex scan modes, a built-in distress alarm, Necode ScanStop accessibility, intercom capability between multiple stations and self-diagnostic troubleshooting.

Utilizing the SEABUSS interconnection system, the SEA 330 has been designed with ease of operation in mind. Intra-system communication, accessed via simple control terminal keypad entry, allows all system components to talk back and forth. The result is instant recall of data and frequency information, with display annunciators clearly indicating radio status throughout the process.

To learn more about the advanced 330 radio or other products in the SEA product lines, contact your local Marine Electronics Dealer or call SEA COM CORP at (425) 771-2182, or email <u>sales@seacomcorp.com</u>.



SEA 330 Specifications

General

Compliance:	FCC Part 80, 87, 90, GMDSS (Para 80.1101) IMO A.806, IMO A. 804, ITU-R.493,CEPT	
FCC ID:		
	Receiver: 490 KHz to 30 MHz	
Frequency Range	Transmitter: 1.6 MHz to 30 MHz	
Fraguency Constation	: PLL Synthesizer/Multi-Loop	
	Direct by keyboard. Up to 1000 pre-	
Frequency Selection.		
	programmed channels. 90 user programmable	
	channels (each channel is an RX/TX frequency	
	pair). Single key selection of 2182 KHz.	
-	Scanning facility.	
Frequency Stability:	Better than 0.4 ppm in the temperature range	
	-30°C to +50°C	
Operating Modes:	Simplex and semi-duplex. USB: J3E, R3E, H3E.	
	LSB: J3E. AME (AM): A3E (reception). Telex:	
	J2B.	
Other Facilities:	Two-tone alarm generator. Built-in self-test	
	program. Necode scan facility. Voice and telex	
	scan mode.	
Supply Voltages:	24 Vdc ± 15%	
	Receive Standby: 1A. Receive Full Audio: 1.5A	
	Transmit Voice: 11A. Transmit Two-Tone:	
	15.5A	
Operating Temperature		
Range:		
Radiotelephone Output		
Impedance:		
	tuner.	

Receiver

Receiver Principle: Double Conversion, 1st IF 70 MHz. 2nd IF		
10.7 MHz		
Frequency Range: 490 KHz to 30 MHz		
Frequency Resolution: 10 Hz, 100 Hz by keyboard entry		
IF Selectivity:J3E (SSB): 350 Hz to 2.7 KHz		
H3E (AME): 350 Hz to 2.7 KHz.		
Telex: ±250Hz		
Sensitivity:J3E (SSB): <1uV for 12 dB SINAD		
H3E (AME): <4 uV for 12 dB SINAD		
Adjacent Signal		
Selectivity:Better than 60 dB @ -1 KHz		
Blocking:At Max Sensitivity: Better than 70 dB.		
At +60 dB/uV: Better than 100 dB		
VDR and Audio Line Output		
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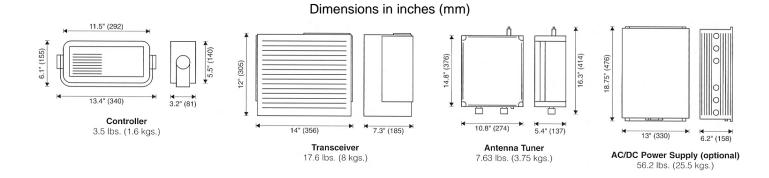
6000hm Balanced or Unbalanced TX and RX line out @ 0.775V RMS

10	ter than 70 dB ss than 1 nW	
Clarifier: ±20	00 Hz in 10 Hz steps.	
•	ce-controlled squelch. Opens for SINAD dB	
Audio Output:4 w	att in 4 ohm at less than 10% distortion	
<u>Transmitter</u>		
•	ow 4 MHz: 150W PEP +0 dB/-1.4dB 0 MHz: 300W PEP +0 dB/-1.4 dB	
150 Lov	dium Power: 75W PEP in MF band W PEP in HF band v Power: 40W PWP in MF band V PEP in HF band	
Intermodulation:Bet	ter than 32 dB below PEP	
Spurious Emissions: Bet	ter than 68 dB below PEP	
Harmonic Suppression: Better than 68 dB below PEP		
Carrier Suppression: Better than 55 dB below PEP		
Undesired Sideband		

SEA 1630 Antenna Tuner

Frequency Range:	. 1.605 KHz to 30 MHz
Power Output:	. MF: 150W PEP
-	HF: 300W PEP max
Antenna:	. 7-50m





SEA 330

SEA COM CORPORATION

7030 - 220th S.W., Mountlake Terrace, Washington 98043, 425.771.2182 Fax: 425.771.2650

www.seacomcorp.com