Sea Tel Model 6012 C-Band Linear

3-Axis marine stabilized antenna system compatible
with C-band linear satellites

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2013 Data Sheet

The most important thing we build is trust

Model 6012 C-Band Linear Only

Sea Tel 6012 C-Band is a 3-Axis marine stabilized antenna system compatible with C-Band linear satellites. The 6012 C-Band system is powered by integrated marine antenna (IMA) software along with our trusted XX09 pedestal design.

The 6012 C-Band is supplied in a 2.05m/ 80.5 in radome. Featuring an integrated control unit (ICU) that offers a single box integrated electronic control to maintain the best and most efficient pointing accuracy in the maritime market. With its extended web based secured user interface, built-in remote management capabilities it offers integration into network management systems through

its Media Xchange Point (MXP), first seen on the Sea Tel 4012 system.

The Media Xchange Point (MXP) and Integrated Control Unit (ICU) features include three levels of User Access (Password Protected), a one key stroke monolithic software upgrade, extensive remote monitoring and diagnostic capabilities, legacy command set compatibility support and ease of system parameter file uploads for multiple systems operating on identical networks.

The intuitive web user interface accessable from practically any internet-enabled device including mobile devices, with

secured socket layer (SSL) password protection, built-in remote management capabilities, multi-level data analysis capability and easy integration into network management systems through its MXP, make IMA software enabled Sea Tel 6012 C-Band ready to face the communications needs of the maritime market in the 21st century.

Sea Tel 6012 C-Band is easy to install and designed to meet some of the toughest shock and vibration specifications, such as IEC 60721 and mechanical class 6M3.

6012 C-Band Key Benefits

- Easy to install and operate
- Extensive capabilities for online and off line troubleshooting
- Intuitive and secured user interface with extensive data logging capabilities
- Fully IP based "plug and play" architecture
- Meeting the high performance threshold set by the Sea Tel 4009
- Radome size and options equivalent to the original 6009 C-Band systems (80.0 Inch Standard)
- Polarized Feed: Linear Cross Pol
- Minimum threshold for 6012 environmental specifications meets or exceeds the requirements of Det Norske Veritas (DNV) Standard for Certificate No. 2.4

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Typical data for Model 6012 C-Band

Reflector size	1.5m/58in D Ring Focus
Radome Dimensions	2.05m/80.8in D x 2.46m/96.9in H
Tx Frequency	5.850-6.725 GHz
Rx Frequency	3.400-4.200 GHz
Tx Gains	37.9dBi @ 6.20 GHz
Rx Gains	33.3dBi @ 3.70 GHz
BUCs	25 & 40 Watt Standard
Pedestal Type	3-axis
Azimuth	Unlimited
Elevation Joint Angle	-15˚ to +115˚
Weight (76in radome)	354kgs / 780 lbs
Polarization	Linear cross-pol
Stability Accuracy	0.1˚ RMS

Typical data for Media Xchange Point (MXP)

- Standard 19 Inch 1U rack Mount. (Slide Rails Optional)
- 43 x 43 x 4.35 (cm)/ 17 x 17 x 1.75 (In)
- 110/220VAC, 47-63 Hz, Single Phase
- 3.0 kgs/ 6.6lbs
- 4 Ethernet Ports
- 1 Ethernet Port (Internal, RJ)
- 1 sma Connector (RX from RJ)
- 1 F-Connector from RJ to diplexer)
- 6 Tri-colored MXP status LEDs
- USB Device (Mini B)
- 2 RS-232 pass through ports
- 1 NMEA RS-232 serial port
- 1 RS-232 Console Port
- SBS & Synchro Gyro Inputs
- Aux IN1 & Aux IN2
- SW1, SW2, SW3, SW3A, SW4, SW4A (I/O)