

# Sea Tel Model 6012 Ku-Band

3-Axis marine stabilized antenna system compatible with Ku-band satellites

2013 Data Sheet

The most important thing we build is trust

**COBHAM**

## Model 6012

Sea Tel 6012 is a 3-Axis marine stabilized antenna system compatible with most Ku-band satellites. The revolutionary architecture of this 1.5 meter system is based on Sea Tel's industry leading XX09 marine stabilized antenna system. The 6012 is the industry's first 1.5m Ku-band system powered by integrated marine antenna (IMA) software, supplied in a frequency tuned 76" (1.93m) radome or optionally in a 81" (2.05m) radome with air conditioner. Featuring an integrated control unit (ICU) that offers a single box

electronic control solution 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 easy integration into network management systems through its Media Xchange Point (MXP), first seen on the 4012 system.

The intuitive web user interface—accessible from practically any internet-enabled device, including mobile devices—features secured socket layer

(SSL) password protection and multi-level data analysis capability. This makes the IMA software-enabled Sea Tel 6012 ready to face the communications needs of the maritime market in the 21st century.

Sea Tel 6012 is easy to install and designed to meet some of the most demanding shock and vibration specifications, such as IEC 60721, IEC 60945 and MIL STD 167-1. High performance and efficient RF components are integrated in the design of Sea Tel 6012 providing unparalleled reliability.

## 6012 Key Benefits

- Transmission rate is compatible with many different types of modems, networks and services.
- IP access to the internet and corporate networks enabling fast downloads of large data files and e-mail.
- Brake system on EL and CL axes to prevent damage due to loss of power.
- Efficient spectral use maximizing cost per bandwidth.
- Easy Stand-alone or network compatible installation.



Model shown with 76" radome.

# Sea Tel Model 6012

3-Axis marine stabilized antenna system compatible with Ku-band satellites

# COBHAM



Model shown with 81" radome.



## Typical data for Model 6012

<b>Reflector size</b>	1.5m/58in D Ring Focus
<b>Radome</b>	76 Inch (1.93m/76in D x 1.61m/63.44in H) (2.01m Max Flange Diameter) or optional 81 Inch with air conditioner (2.05m/80.8in D x 2.46m/96.9in H)
<b>Tx Frequency</b>	13.75-14.5 GHz
<b>Rx Frequency</b>	10.70-12.75 GHz
<b>Tx Gains</b>	45.1dB @ 14.25GHz
<b>Rx Gains</b>	44.0 dB @ 12.5GHz
<b>G/T (calculated)</b>	21.9 dB/k (In Radome)
<b>BUCs</b>	8W, 16W or higher
<b>Pedestal Type</b>	3-axis
<b>Azimuth</b>	Unlimited
<b>Elevation Joint Angle</b>	-15° to +115°
<b>Weight (76in radome)</b>	266kgs/586lbs
<b>Polarization</b>	Linear Cross-pol or Co-pol (selectable from below deck)
<b>Stability Accuracy</b>	0.1° RMS
<b>Ship's Motion</b>	+/-20 degrees roll; +/-10 degrees pitch
<b>Vibration and Shock</b>	IEC 60721-4-6, Mechanical Class 6M3

## 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)
- 8 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)

For further information please contact:

### Cobham SATCOM Maritime Systems

U.S.A. Tel: +1 925-798-7979  
Fax: +1 925-288-1420  
Toll Free: +1-888-798-7979  
E-mail: [satcom.concordsales@cobham.com](mailto:satcom.concordsales@cobham.com)

EUROPE Tel: +44 2380 671155  
Fax: +44 2380 671166  
E-mail: [satcom.southamptoneurosales@cobham.com](mailto:satcom.southamptoneurosales@cobham.com)

ASIA Tel: +65 6795-2205  
Fax: +65 6515-6546  
E-mail: [satcom.asiasales@cobham.com](mailto:satcom.asiasales@cobham.com)