

# Sea Tel Model 3612

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

2012 Data Sheet (Preliminary)

The most important thing we build is trust

# COBHAM

## Model 3612

Sea Tel 3612 is a 3-Axis, marine stabilized antenna system compatible with most Ku-band satellites. The revolutionary architecture of this 0.9 meter system is based on Sea Tel's industry leading XX09 marine stabilized antenna system. The 3612 is the industry's first 0.9m Ku-band only system powered by integrated marine antenna (IMA) software, supplied in a frequency tuned 1.27m (50") radome. 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, and built-in remote management capabilities it offers 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, 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 Media Xchange Point (MXP), make IMA software enabled Sea Tel 3612 ready to face the communications needs of the maritime market in the 21st century.

Sea Tel 3612 is easy to install and designed to meet some of the toughest shock and vibration specifications, such as IEC 60721, IEC 60945 and MIL STD 167-1.

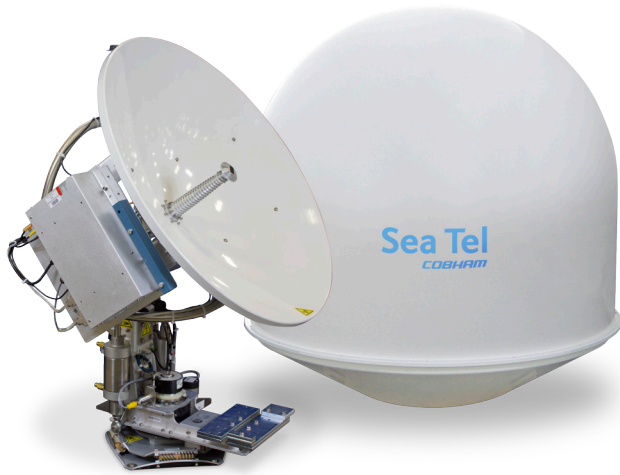
## 3612 Key Benefits

- Easy to install and operate
- Extensive capabilities for online and offline 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
- Same radome as the 4009 (50")
- Eutelsat and Anatel approval (pending)
- Cylindrical matching radome with Sea Tel's 4004 TVRO antenna 50" radome (Note: 60" standard for 5004)



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## Typical data for Model 3612

<b>Reflector size</b>	0.91m (36in) D Ring focus
<b>Radome</b>	1.27m /50in (D) x 1.49m /58.5in (H)
<b>Tx Frequency</b>	13.75-14.5 GHz
<b>Rx Frequency</b>	10.7-12.75 GHz
<b>Tx Gains (preliminary)</b>	40.0dBi @ 14.25GHz
<b>Rx Gains (preliminary)</b>	38.0dBi @ 12.50GHz
<b>G/T (calculated)</b>	17.0 dB/k, Clear Sky, 30° EL
<b>BUCs</b>	8W & 16W LBUC, 8W mini and others
<b>Pedestal Type</b>	3-axis
<b>Azimuth</b>	Unlimited
<b>Elevation Joint Angle</b>	-15° to +115°
<b>Weight</b>	132kg/292lb
<b>Polarization</b>	Linear cross-pol or co-pol (selectable from below deck)
<b>Stability Accuracy</b>	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)
- 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:

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