Sea Tel Model 4009 MK3

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

Product Sheet

The most important thing we build is trust

COBHAM

Model 4009 MK3

Sea Tel 4009 MK3 is a 3-Axis marine stabilized antenna system compatible with most Ku-band satellites. The 4009 MK3 system is powered by integrated marine antenna (IMA) software. MK3 is to differentiate from our other 1m systems as a Ku-Band ONLY system.

The 4009 MK3 is supplied in a frequency tuned 1.27m (50") 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 is 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 4009 MK3 ready to face the communications needs of the maritime market in the 21st century.

Sea Tel 4009 MK3 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.

4009 MK3 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.
- Meets the high performance threshold set by Sea Tel 4009 system
- Radome size and options equivalent to the original 4009 systems (50 Inch Standard)
- Eutelsat and Anatel approved
- Cylindrical matching radome with Sea Tel's 4004 and 5004 TVRO antennas.

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

Typical data for Model 4009 MK3

Reflector size	1m/40in D Ring Focus
Radome Dimensions	1.33m/52.3in D x 1.5m/59.4in H (1.4m/55in max flange diameter)
Tx Frequency (Ku-band)	13.75-14.50 GHz
Rx Frequency(Ku-band)	10.70-12.75 GHz
Tx Gains (Ku-band)	40.6dBi @ 14.25 GHz
Rx Gains (Ku-band)	39.8dBi @ 12.50 GHz
System G/T (typical)	18.1dB/k (In Radome)
BUCs	16 Watt Standard (Additional Options available)
Pedestal Type	3-Axis
Azimuth	Unlimited
Elevation Joint Angle	-15˚to +115˚
Weight	144 Kgs / 318 lbs
Polarization	Linear cross-pol or co-pol (selectable from below deck)
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 (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)

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