

Sea Tel Model 3011

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

2012 Data Sheet

The most important thing we build is trust

COBHAM

Model 3011

The Model 3011 is the latest 3-Axis marine stabilized antenna system from Sea Tel built for sub 1m networks. The 3011 design incorporates the latest frequency-tuned radome design and electronics used in our industry-leading XX09 series systems.

The 3011 Ku-band antenna is a 75cm (30in) marine stabilized antenna system for broadband connectivity. Incorporated in the design are some of the leading technology concepts to reduce its size and match the performance of some of our

bigger 1m systems. Model 3011 is built on the industry-leading stabilization platform with stabilization accuracy of 0.2° (RMS). It withstands the harshest weather nature can throw at it. In fact, that is practically what we do when we test our systems.

The 3011 antenna systems comes standard with the Co Pol option, allowing customers global Ku coverage on co pol or cross pol services.

Model 3011 is not designed for compromise. It is packed with high performance features that acquire the satellite and

maintain tracking with industry-leading Sea Tel tracking algorithms. The fast response rate to the ship's motion, the next generation electronics and the four axes of pointing and three axes of stabilization easily makes Model 3011 the industry's most trusted system in its class.

Go ahead, explore the edges of the world but always stay at the center of your communication needs with Sea Tel.

3011 Key Benefits

- Highly efficient, 75cm (30in) 3-axis VSAT system.
- Solid state rate sensors and accelerometers.
- High torque servo motors.
- Works with Co Pol or Cross Pol services at Ku-band for global operations.
- Frequency-tuned radome design for maximum signal strength.
- Better antenna performance allows sailing further out on the fringes of the footprint.
- Higher carrier to noise ratio allows even more reliable communications anywhere within the footprint.
- Industry leading pointing accuracy of better than 0.2° (RMS).
- Works with or without ship's gyro.
- Access remotely from anywhere and anytime.
- Blue Tooth enabled.



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- 8 watt Codan mini BUC (standard)
- Arbitrator for dual antenna operation (optional)
- FCC declaration on file
- Eutelsat and Anatel approval (pending)



Typical data for Model 3011

- Antenna: 75cm (30in), Ring Focus feed with motorized AutoPol
- Transmit Gain: 39 dBi @ 14.25 GHz
- Receive Gain: 37 dBi @ 11.85 GHz
- G/T: 16 dB/K calculated at 12.0 GHz (typical)
- Meets FCC EIRP Spectral Density Mask @ -21.6dBW/4KHz input EIRPs
- Pedestal Type: Closed Loop Servo
- Pointing Accuracy: 0.2° RMS @ 20° roll
- Elevation Range of Motion: -15° to +115°*
- Azimuth Range of Motion: Unlimited
- Radome Dimensions (max): 1.12m (44.1 in) diameter x 1.24 m (48.8 in) high
- Total Weight with Radome (typical): 180 lbs (82 kgs)*

Typical data for DAC 2202 Controller

- Model DAC 2202
- Mounting: 19" Rack Mount
- M&C Ports: 1 Serial, 3 TCP/IP, 1 multi-user web browser support
- UDP upload port for updating software in the Comm Interface
- CommIF software
- Reformatted GPS output (GGA and GLL)
- Heading Input: NMEA 0183, SBS, Synchro or No-Gyro mode
- Dimensions: 19" X 1.75"

For further information please contact:

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* Based on Model 3011-91