

# Model MS6011-4 Direct to Sailor

3-Axis marine stabilized antenna system with QOR™ technology compatible with C and Ku-Band satellites

**MIL-SAT**  
Global Communications

Authorized Sea Tel Dealer

## Model MS6011-4 TV-at-Sea Antenna

The Model MS6011-4 Direct to Sailor antenna system from Sea Tel is a radically new design providing seamless TV reception around the world. The new cutting edge design of MS6011-4 is based on Sea Tel's QOR (Quadrature Oriented Reflectors) technology and enables users to receive TV on Global Circular C Band or both Linear and Circular Ku Band satellite services. The QOR architecture incorporated in the MS6011-4 system includes two high efficiency back fire circular/linear orthogonal antenna systems utilizing a common suite of electronics on

the same stabilized pedestal and Digital Antenna Control unit (DAC).

This game changing TV-at-Sea system significantly reduces the total cost of owning and installing two separate systems while saving on premium deck space. With two systems under one radome, there are more choices to watch TV even in some of the most remote marine regions of the world on the numerous C and Ku-Band service packages available.

The MS6011-4 features Unlimited Azimuth operation using a 6 channel rotary joint

ensuring uninterrupted TV services, no more waiting for the system to "Unwrap".

The New Sea Tel MS6011-4 antenna system delivers the same TV choices you enjoy on land while at sea, all at the touch of one button. The C and Ku band antenna systems are compatible with the services provided by the industry's leading satellite companies such as AFN, DIRECTV™, DISH Network™, Bell TV™, DTS, Hotbird, Sky, Orbit and DirecTV Latin America (DLA)™.

With the MS6011-4 you will realistically never be out of range to watch TV.

## Features and Benefits

- Dual Band (C and Ku) system in one radome built with QOR technology
- Designed to Defense Media specifications for use on AFN DTS services
- Fast satellite acquisition using built-in GPS antenna and proprietary algorithms.
- Based on industry leading XX09 platform for high performance 3-axis closed loop stabilization system.
- 6 Channel Rotary Joint for unlimited azimuth range.
- High performance stabilization and satellite tracking even in inclement weather.
- Sea Tel's proprietary antenna control and fast-track signal lock software.
- Receive Global programming and digital music channels.
- Designed to meet EN 60945, IEC 60950, MIL STD 901D (Grade B) and MIL STD 167 specifications.
- Supports the installation of multiple satellite receivers.
- HD Ready.
- Bluetooth class 1 connectivity for remote software updates.



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## Typical data for MS6011-4

System Characteristics		
Radome	76" (1.9m) frequency tuned	
Pedestal Type	3-Axis: Elevation, Azimuth, Cross level	
Specifications	MIL STD 167-1, IEC 60945, IEC 60950	
Response Rate	>100°/Sec	
Stabilization Accuracy	0.1°	
Ship's Motion	±25° roll, ±15 pitch°	
	C Band	Ku Band
Antenna	1.5m	1m
Polarized Feed	Circular	Linear/Circular
Feed Assembly	C Band circular polarized dual port LHCP/RHCP (3.625–4.200 GHz)	Ku Band linear polarized (10.7–12.75 GHz)
Min EIRP (Est)	33.0 dBW	42.0 dBW
Elevation Range	-15 to +115 degrees	-20 to +95 degrees
Azimuth Range	Unlimited	Unlimited

## Typical data for DAC 2202 Controller

- Model: 2202
- Mounting: 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
- 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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