

Model ST60

3-Axis marine stabilized antenna system compatible with C-Band Circular or Linear TV services

COBHAM

2012 Data Sheet

The most important thing we build is trust

Model ST60 TV-at-Sea

The Model ST60 C Band antenna system from Sea Tel is a radically new design providing seamless TV reception around the world. The new cutting edge pedestal design of the ST60 is based on Sea Tel's leading XX09 platform and enables users to receive TV on Global Circular or Linear C Band services practically anywhere around the world. The ST60 system includes a highly efficient back-fire feed design.

The ST60 also features high performance stabilization and satellite tracking using

a 3-axis closed loop stabilization system, providing quality performance in the roughest of seas. The ST60 uses the same electronics and the Digital Antenna Controller (DAC) as on our other Gen 2 electronics systems.

The ST60 has a compact, attractive all-white radome, DVB (Digital Video Broadcasting) signal identification, and Sea Tel's proprietary antenna control and fast-track signal lock software. It includes a two year warranty on parts, and one year on labor.

This game changing TV-at-Sea system enables watching TV even in some of the most remote marine regions of the world on C-band services

The ST60 features Unlimited Azimuth operation using a 2-channel rotary joint ensuring uninterrupted TV services; no more waiting for the system to "unwrap."

With the ST60 you will realistically never be out of range to watch TV.

Features and Benefits

- 60" reflector in all white radome
- 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.
- 2-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.
- HD Ready.
- Bluetooth class 1 connectivity for remote software updates.



Model ST60 C Band

3-Axis marine stabilized TV-at-Sea antenna system

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Typical data for ST60 C Band

Specifications	
Radome	76" (1.9m) frequency tuned
Pedestal Type	3-Axis: Elevation, Azimuth, Cross level
Standards	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	
Antenna	1.5m
Polarization	Circular (LHCP / RHCP) or Linear (HORZ / VERT)
Feed Assembly	Dual C Band Circular or Dual C Band Linear (3.625–4.200 GHz)
Min EIRP (Est)	33.0 dBW
Elevation Range	-15 to +115 degrees
Azimuth Range	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"



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