

# Sea Tel ST24

Marine stabilized antenna system ready for multiple satellite TV selection

2013 Data Sheet

The most important thing we build is trust

**COBHAM**

## Watch TV even at high latitudes. Select satellites with one touch operation.

The ST24 is in the long line of how-did-we-ever-live-without-it TV-at-Sea marine stabilized antennas from Sea Tel.<sup>®</sup> It features a greater elevation range than most standard antennas with 2 axes of stabilization and 1 axis of polarization. The high elevation range enables viewing TV at higher latitudes. The ST24 is available with automatic or manual skew control. Automatic skew control allows antenna to operate at optimal skew angle to receive satellite signal at maximum strength. Sea Tel's ST24 features high performance stabilization and satellite tracking. The

ST24 eliminates the need of expensive upgrades when mounted on a tuna tower; a significant cost savings over competitive products.

The ST24 also features a state-of-the-art 4.3 inch touch screen Graphic Antenna Control Panel (GACP) as standard equipment. Compact size, large viewing area and easily recognizable icons makes operating the GACP fun. The GACP is sleek and simple to operate with many new innovative features. Some of these features include interactive and intuitive

graphics user interface, satellite selection capability, extended list of presets, built-in in service and out of service test, backup GPS information and manual control for AZ, EL and pol.

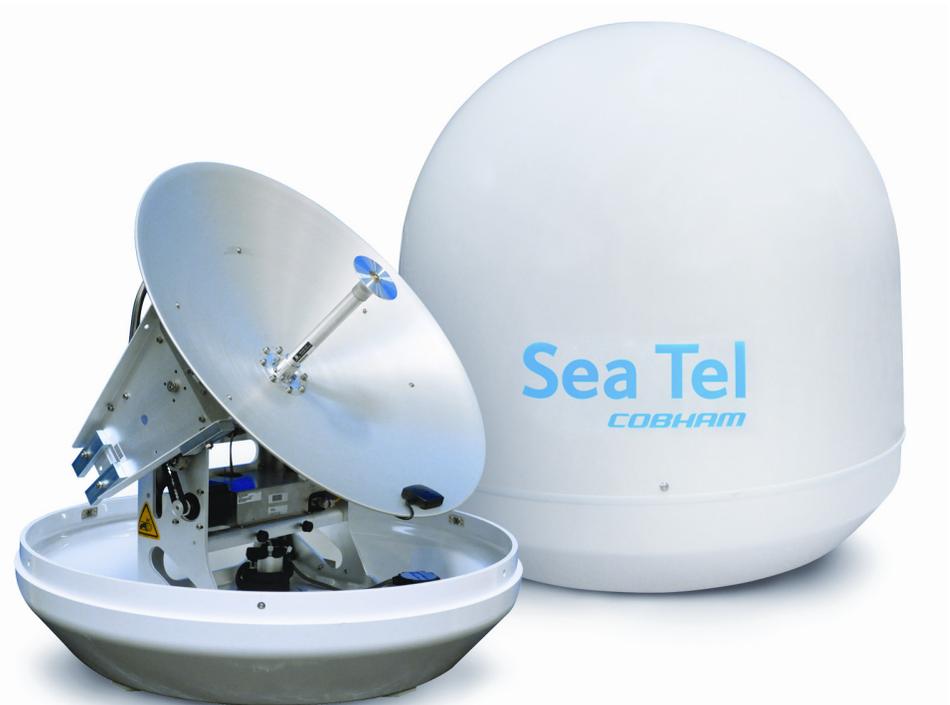
The ST24 antenna system is easy to install since it uses standard off-the-shelf cables.

The ST24 is compatible with most Ku-Band HDTV services worldwide and will support multiple satellite receivers.

See it. Feel it. Touch it. That's Sea Tel ST24.

### Product Features & Benefits

- Operate at higher latitudes.
- Touch screen Graphical Antenna Control Panel for one touch operation.
- Install system with off-the-shelf cables.
- Built-in-test for trouble free operation and smarter fault detection.
- Stronger signal reception and expanded foot print than the competition.
- High performance stabilization and satellite tracking even in inclement weather.
- Tuna Tower Ready - No expensive upgrades needed.
- Auto skew option available for maximum signal strength.
- Fast satellite acquisition using built-In GPS antenna and proprietary algorithms.
- Act as a backup GPS system with full access to navigational data.
- Sea Tel's proprietary antenna control and fast-track signal lock software.
- Global Programming and digital music channels.
- HD Ready (Ku-Band satellites).



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## Typical data for ST24

- Min. EIRP: 45 dBW
- Dish Diameter: 61 cm; 24 in
- Radome Dimensions: 0.74m/29.13in D x 0.76m/29.79in H
- Antenna Weight: 26.3 kg; 58 lbs
- Operating Temperature Range: -20°C to 55°C
- Storage Temperature Range: -40°C to 70°C
- Ship's Motion: Roll +/-25° / Pitch +/-15°
- Roll & Pitch Response Rate: >25°/s
- Azimuth Turn Rate: 15°/s
- Azimuth Range: 680°
- Elevation Range: -10° to 80°
- Polarization: Linear or Circular
- Skew Control: Automatic or Manual
- Mounting patterns: 9 in X 9 in or 12 in X 12 in (22.9 cm X 22.9 cm or 30.5 cm X 30.5 cm)
- Warranty: 2 years parts / 1 year labor

## Graphical Antenna Control Panel (GACP) details:

- Display Type: 4.3 in (10.9 cm) TFT
- Front Panel: 6.3 in x 4.7 in (15.9 cm x 11.8 cm)
- Mounted Enclosure: 6 in x 4.5 in x 3.3 in (15.3 cm x 11.3 cm x 8.1 cm)
- Display Viewing Area: 2.1 in x 3.7 in (5.4 cm x 9.5 cm)
- Resolution: 480 x 272 WQVGA
- Backlight Display Type: LED
- USB Port: Mini-B
- Serial Interface: 9600 baud RS-232 Interface for diagnostics and computer interface
- DC Power Interface: 2 Screw Terminals
- Pedestal Interface: Type F (for FSK Communications)
- RS-232 Interface: 9 Pin Male D-Sub connector (DCE)
- Power Requirements: 10-30VDC (30 Watts Typ. / 40 Watts Max.)



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