

Broadband-at-Sea

Sea Tel® WaveCall Series

When the going gets rough, Sea Tel® keeps going



WaveCall™ 4006
Above Deck Antenna



WaveCall™ 6006
Above Deck Antenna

Sea Tel®
Look to the Leader. Look to SeaTel.



Sea Tel WaveCall™ Series is ideal for ocean going vessels that require "always-on" broadband satellite communications. In addition, the service is suitable for private corporate networks with requirements for a variety of applications, including file and image transfer, video conferencing, e-mail, Virtual Private Networks (VPNs), and database backup.

Sea Tel's WaveCall™ Series Broadband-at-Sea features advanced technology, designed specifically for maritime use, and is stabilized to withstand extreme marine environments.

4006 and 6006 Systems:

- Transmission rate of up to 1024 kbps for shore-to-vessel communications and up to 256 kbps for vessel-to-shore communications. Airtime provided by WaveCall™ by Telenor Satellite Services.
- IP access to the Internet and corporate networks enabling fast downloads of large data files and e-mail.
- Unlimited data transfer allowance.
- High Quality of Service (QoS) for voice calls through Telenor's PSTN infrastructure.
- Easy stand-alone or network compatible installation.
- 24/7 customer care and technical support.

DAC 2200 Antenna Control Unit



The WaveCall™ Series utilizes the new DAC 2200 antenna control unit. The DAC 2200 ACU is 1 rack-unit in height (1.75 inches) and is configured with an L-band DVB compliant tracking receiver, gyrocompass interfaces for both digital (NMEA 0183 HDT character strings) and most analog gyrocompass systems. A gyrocompass or other ships heading reference is required for proper system operation.

The popular Touch Screen Controller (TSC-10) is now compatible with WaveCall™ 4006 and 6006 Series, which is extremely useful in multi-region use applications of the system and system performance monitoring.



WaveCall 4006 - a 1-meter Ku-Band maritime VSAT antenna for SCPC, broadband, or hybrid networks. This antenna system meets the FCC's 2-degree spacing requirement, which is a remarkable achievement for a 1-meter ring focus antenna. Antenna efficiency is better than 70% across the transmit and receive bands.



WaveCall 6006 - operates the same as the 4006 with a larger 1.5-meter Ku-Band maritime VSAT antenna. Because of its size and power, the 6006 features a higher transmit and receive gain (about 2 dB) which allows substantially increased thru-put connections depending on your data transfer requirements.



Service Coverage

WaveCall™ by Telenor is currently available for maritime users in the Caribbean, Latin America, the United States, Europe, the Mediterranean, and the Middle East. Coverage is provided through multiple satellite operators including New Skies, Panamsat, Amos and Intelsat. The service is enabled by Telenor's global teleport network and is powered by Terralink™, Telenor's exclusive IP networking platform. Telenor continuously evaluates the evolving needs of its customers and expands its service coverage areas as required to meet those needs.



Above Decks

Antenna
Radome
Weight
Polarized Feed
Rotary Joint
BUC
Transmit Gain
Receive Gain
Roll/Pitch Amplitude
Pedestal Type

WaveCall™ 4006

1 m/40" D ring focus
1.2m/48" D x 1.5m/59" H.
250 lbs.

WaveCall™ 6006

1.5 m/59" D ring focus
1.8m/72" D x 1.9m/75" H.
400 lbs. approx.

Linear Cross-Pol with Automatic Control

Allows >180 degrees of feed rotation

4 W is Standard & 8 W Optional

41.8 dB Mid-Band

43.5 dB Mid-Band

40.1 dB Mid-Band

42.5 dB Mid-Band

+/-25 degrees roll; +/-15 degrees pitch

3-axis: Level, Cross-Level and Azimuth

Below Decks

Control Unit
Heading Input
Router
TSC-10 (optional)
Power Input

WaveCall™ 4006

DAC 2200 w/Dishscan Tracking Control

NMEA, step-by-step, 1:1, 36:1, 360:1

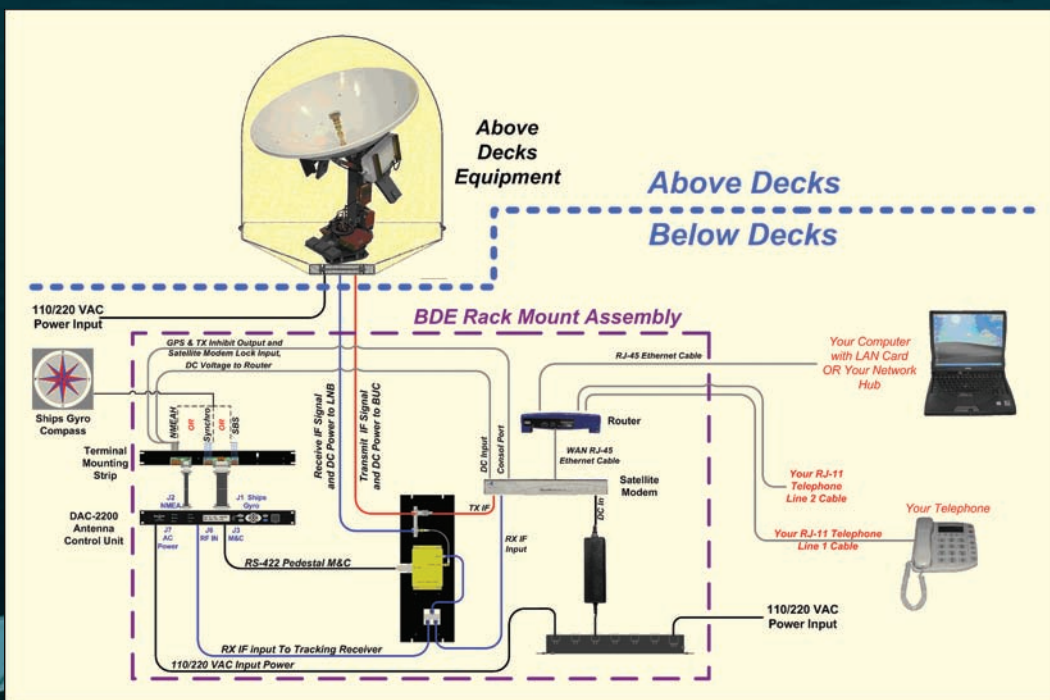
Ethernet w/3 LAN ports & VoIP Adapter w/2 RJ 11 Connections

Optional Touch Screen Controller

110/220 AC

WaveCall™ 6006

Typical Layout



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