

Sea Tel 06 Series

Stabilised Maritime VSAT System for Yachts

FEATURES

- Rugged and dependable Ku-band maritime VSAT antenna system
- Efficient backfire feed assembly. No blockage from components in front of the dish
- 3-Axis stabilization. Points and tracks to within 0.2°
- Choice of 1.0m (4006) or 1.5m (6006) main reflector
- Interfaces to virtually any heading sensor
- Built in GPS for fast and accurate targeting
- FCC and satellite-operator Approved
- Unlimited Azimuth. No signal interruptions due to unwrap
- Rugged 1RU 19" rack mount below decks unit
- Built-in web server for monitoring and control
- Compatible with service providers worldwide

DETAILS



OFFSHORE NOT OFFLINE

With a Sea Tel 06 series VSAT antenna and ACUTEC airtime, yachts can access the benefits of a high speed, always-on internet connection for a fixed monthly fee. Even thousands of miles from land, crew and guests stay connected to reliable, fast broadband.

WHY SEA TEL 06 SERIES VSAT?

Traditional satellite systems with their per-minute or per-megabyte charges encourage a minimalist approach to communications. Even with careful management, monthly bills of tens of thousands of dollars are not uncommon. As well as predictable costs, 06 Series VSAT users enjoy fast speed. Data rates are up to 24 times that of Fleet 77⁽¹⁾ or 3.5 times that of Fleet Broadband⁽²⁾.

The VSAT system sweeps aside the problems of legacy maritime satellite communications and most yachts recoup the investment quickly.

QUALITY OF LIFE

No longer content with expensive phone calls, faxing or text-only e-mails, expectations of owners, guests and crew have changed. For everyone on board, quality of life applications such as media streaming, low cost telephone calls and video chat with colleagues, friends and family become a reality. Business users can stay connected to their critical corporate network just as if they were still in the office

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	4006	6006
Main Reflector Diameter	1.0 m	1.5 m
Overall Dimensions	1.27 m	1.9 m to 2.1 m
Weight	114 Kg	180 to 340Kg
Feed Assembly Type	Linear orthogonal. Automatic polarisation control Optional cross-pol or co-pol available	
LNB	Ku band NJR 2537S to NJR2536S giving full Ku band coverage	
Transmit Path Loss	0.5 dB typical	
BUC	8W Codan standard. 4W to 25 W also available	
Transmit Gain	41-41.8 dB (14-15.5 GHz)	44.9-45.4 dB (13.75-14.5 GHz) (1)
Receive Gain	39.6-40.7 dB (10.95 to 12.75 GHz)	43.2-44.3 dB (10.95 to 12.75 GHz) (1)
G/T	18-18.5 dB/K	21-21.5 dB/K (1)
Roll/Pitch Amplitude	Roll: +/- 25° with Pitch: 10°	
Azimuth Range	Unlimited	
Targetable Satellite Elevation Range	0°-90°	
Elevation Range	-20°-115°	
Radome Air Conditioning	Not available	Available 2.1m radome
Control Unit	DAC 2202	
Heading Input	NMEA, Step by Step or Synchro	
Power Input	110/220 VAC	



RELIABILITY

Sea Tel have been designing, building and supporting their maritime stabilised VSAT and Satellite TV antennas for 30 years. The elegant, low maintenance 06 series design is the culmination of continuous development throughout this period.

INSTALLATION

Installation is straightforward. As well as the above decks radome, there is a 1RU rack-mounted below decks unit (shown). Depending on the airtime plan selected, a modem and telephone adapter will connect to the yachts existing IT infrastructure via a new or existing router or switch.

AIRTIME

The airtime plan connects the VSAT to the internet and public telephone system. A range of flexible plans are available with commitment from as low as one month and with varying data speeds, coverage areas and costs. We work hard to understand customer requirements and advise on the best plan.

(1) Fleet 77 ISDN at up to 64 kbit/s (2) Fleet FB500 Standard IP at up to 432 kbit/s vs. Comparisons are with a Sea Tel 4006-33 on ACUTEK 1536 kbit/s airtime plan.

ACUTEK EXPERIENCE

Working with Sea Tel and their global support network since 2001, ACUTEK is the regions specialist maritime VSAT satellite equipment and service provider. Together with our satellite and earth station partners, we provide turnkey broadband hardware and support to maritime users throughout Asia-Pacific