

Intellian Dual VSAT Mediator

Uninterrupted connection with automatic switching
for always-on broadband service



Automatic switchover between 2 VSAT antenna systems

The Intellian Dual VSAT Mediator is capable of controlling and managing two VSAT antenna systems simultaneously to deliver an interruption-free connection all the time. It switches automatically to one of the antennas that is able to acquire and lock onto the satellite signal.

Redundant antenna systems

A redundant system can be easily configured by using the Intellian Dual VSAT Mediator to prevent network outages even when one of the antennas fails due to unfavorable environmental conditions, power outages, technical issues or any blind spots by ship board obstacles.

Simple and easy installation

The Intellian Dual VSAT Mediator aims to provide a “plug & connect” experience through its simplified yet sophisticated installation design.

Various modem formats

The Intellian Dual VSAT Mediator supports a number of modem interfaces enabling satellite network connectivity.

Automatic or manual antenna selection

The Intellian Dual VSAT Mediator has a switch on its front panel to allow users to manually select one of the antennas in service. The Mediator will also operate in a fully automatic mode, switching antennas quickly for an uninterrupted service.

Intellian Network Device Monitoring

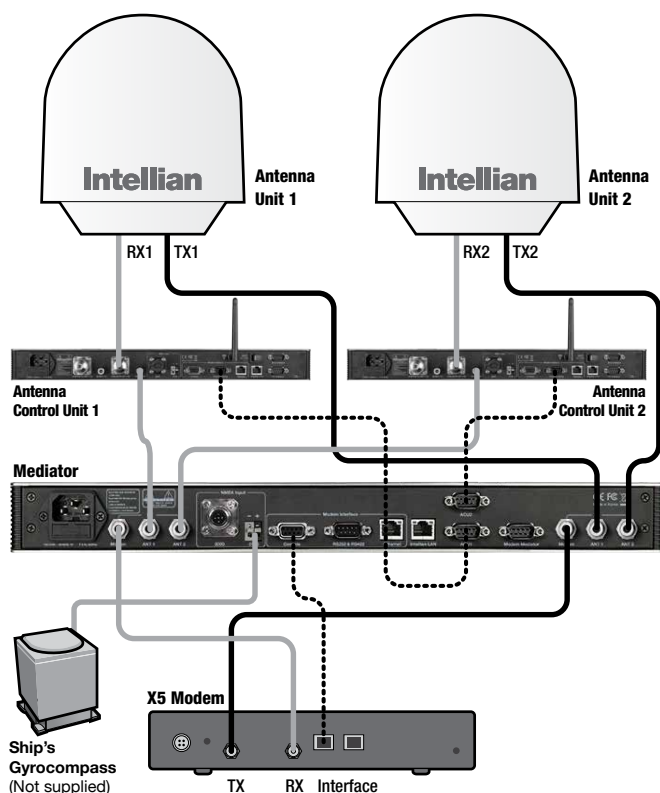
Intellian LAN connection enables integrated monitoring and control of the dual antenna systems from the DVM's built-in web page. Simplified IP network setup allows easy and direct access to the connected VSAT systems.

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Technical Specifications

Physical	
Dimension (WxDxH)	43.1 x 38.1 x 4.4 cm (17" x 15" x 1.7")
Weight	2.5 kg (5.5 lbs)
Power Consumption	5 W Typ.
Frequency Range	950~2150 MHz
Connectors	75 Ohm F-Type Female
Interface	
Gyrocompass Interface	NMEA0183 / NMEA2000
Modem Interface	RS-232C / I/O ports / Ethernet
Serial ports	19200bps 8, N, 1, RS-232C 2 ports for ACU 1 and ACU 2
USB port	1 port for PC or Management Device
Power Requirement	100 ~ 240 V AC, 50~60 Hz

System Diagram



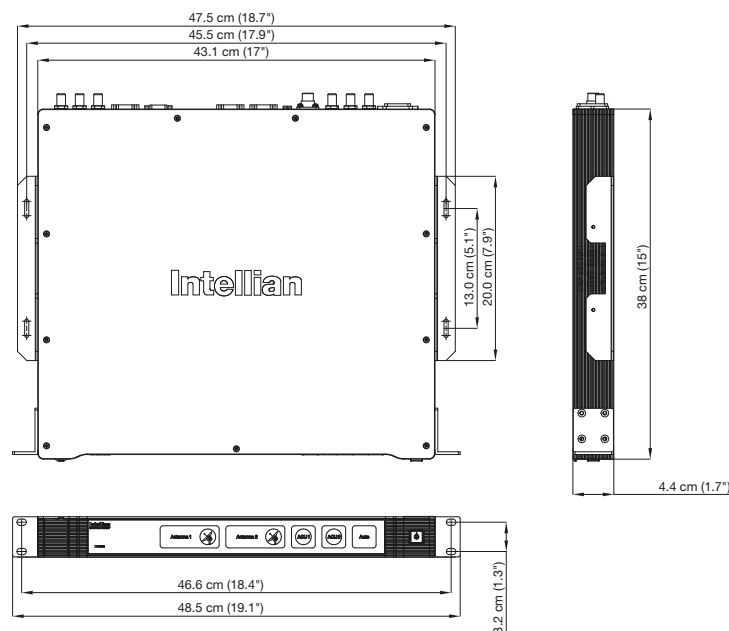
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utilizes a leading-edge technology to control two Intellian VSAT antenna systems simultaneously. It ensures an uninterrupted and always-on broadband service. The secondary antenna system will immediately take over the role of a primary antenna to deliver the highest levels of system performance and reliability if the primary antenna is blocked or offline.

Key Features

- **Solution for vessels in dynamic blockage environments**
- **Ensures uninterrupted communication onboard**
- **Automatic and fast antenna switching**
- **Simple and easy installation**
- **Compatible with various modems**
- **Aptus Web for the mediator**

System Dimensions



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