



Autonomous and Stabilized,
Maritime and Land Terminal

Griffin-60

Griffin-60 is a compact 60cm maritime and land-portable VSAT terminal enabling fully autonomous operation. The system can be rapidly installed and operated on vessels or land without prior preparation, and can be quickly dismantled, packed, and redeployed following mission completion.



Fast Deployment

Fully assembled and operational within 30 minutes by a two-person team.

Autonomous Operation

Includes an outdoor satellite modem with integrated IP switch, supporting the OpenAMIP protocol.

Built-in DVB-S2X Tuner

Supports direct carrier SNR tracking and operation with both internal (Free Gyro) and external vessel gyro inputs.

Flexible Power Options

Operates on either AC or DC sources.

Wi-Fi Support

The ACU can be operated wirelessly by Wi-Fi.

Unlimited Azimuth Rotation

Continuous 360° azimuth operation without mechanical limitation.

Pre-Programmed Satellite Database

Supports an editable database of up to 80 satellites.

Simple Operation

Requires only connection to a power source and system power-up following initial configuration.

Flexible Vessel Mounting

Can be mounted using bolts or dedicated lifting magnets.

Dual-domain operation

Man-portable terminal for land and maritime applications.

Web-Based Monitoring & Control (M&C)

Full monitoring, control, and firmware upgrade functionality supported through a web interface.

Automatic Satellite Search and Lock

Enables rapid acquisition and tracking of target satellites.

Accurate Signal Acquisition Algorithm

Proprietary acquisition algorithm enables rapid and reliable satellite lock.



Technical Specifications

VSAT Antenna

Dish Diameter:	~60cm (24")
Radome Material:	Honeycomb FRP
Frequency:	<ul style="list-style-type: none">• TX : 13.75 ~ 14.50 GHz• RX : 10.70 ~ 12.75 GHz
Antenna Gain:	<ul style="list-style-type: none">• TX : 37.2 dBi @ 14.25 GHz• RX : 35.7 dBi @ 12.75 GHz
G / T:	14.25 dB/K (in Radome) @ 30deg. Elevation, 11.75GHz, Clear Sky
Polarization:	Linear
Operating Platform:	3- Axis
LNB:	Universal LNB
BUC:	Ext. Ku 20W*
Skew Control:	Automatic
Elevation Angle:	-10° to +100°
Azimuth Range:	Unlimited
Cross-Angle:	± 35°
Ship Motion:	<ul style="list-style-type: none">• Roll : ±24° at 8-12 sec periods• Pitch : ±10° at 6-12 sec periods• Yaw : ±8° at 15-20 sec periods
Tracking Speed:	More than 90°/sec
Vibration Damper:	Rubber Damper Included

Electronic Equipment

Outdoor ACMU Includes:	<ul style="list-style-type: none">• Antenna Control Unit (ACU)• Satellite Modem• IP switch• Able to operate in AC or DC• I/O Interface panels
I/O:	RS-422, Ethernet
Monitoring:	Web Interface Support
Wi-Fi support:	for ACU
Gyro:	Built-In and Interface for external Gyro NMEA 0183
Satellite Database:	Editable 80 satellite

Environmental

Temperature:	-20°C to 55°C
Humidity:	Up to 100% @ 40°C
Wind speed:	36m/s (130km/hr)
Environment, EMC/EMI:	qualified for CE standards
Input Power:	<ul style="list-style-type: none">• 100~240VAC or 24VDC• Power consumption 400W Max.

Carry Bags

The system is carried by three bags



* other BUC sizes are available * Specifications are subject to change without notice