

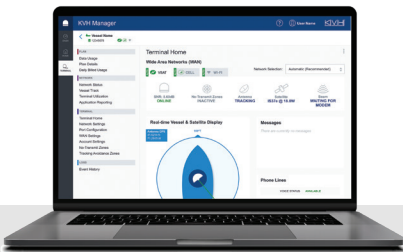


TracNet™ H60

Hybrid In-motion Communications for Critical Missions

Deliver field-proven, versatile, and mission-critical communications for military and government vessels and vehicles using the KVH TracNet H60 and the KVH ONE hybrid network. The full stabilized, 60 cm TracNet H60 employs integrated Ku-band satellite, cellular, and Wi-Fi connectivity with intelligent, automatic switching. The result is a versatile, on-the-move communications solution with low latency and speeds as fast as 10/3 Mbps (down/up), ideal for streaming video, biometric data, and encrypted messaging protocols such as CENTRIXS. With a single-cable design along with AC and DC power options, TracNet H60 supports rapid deployment while its three-axis pedestal design, stabilized skew, dual digital IMUs, and advanced motor controllers deliver high-performance tracking at all times.

- ① High-speed VSAT service (as fast as 10/3 Mbps down/up) via KVH's global, layered Ku-band HTS network, offering 294 million sq. km (113+ million sq. miles) of coverage
- ② Tuned antenna paired with KVH's exclusive RingFire™ technology ensures superior reception
- ③ Three-axis pedestal design with a fourth axis of automatic skew adjustment for outstanding tracking in all sea states
- ④ Terrestrial Communications Module supporting integrated high-power cellular antennas with service in 150+ countries plus built-in high-gain Wi-Fi antennas for seamless switching to shore-based Wi-Fi networks
- ⑤ Commercial-grade rotary joint and single cable design for easy installation and uninterrupted azimuth rotation and tracking



Belowdeck Units

KVH's streamlined belowdeck units are at the heart of every TracNet terminal. These tools create confidence through all-in-one system control and network management.



TracNet Hub 10-30V DC-powered with built-in Wi-Fi router, user-supplied SIM port, ethernet ports and VoIP line. Shelf or bulkhead-mount.



TracNet Hub+ AC-powered with touchscreen interface, user-supplied SIM slot, built-in Wi-Fi router, ethernet ports, two VoIP lines, content storage and access for the commercial maritime KVH Link content service. Rack-mount.

TracNet H60 Hybrid Connectivity System

System Specifications

Service	
Network	KVH Ku-band global HTS network; regional cellular services in 150+ countries; available shore-based Wi-Fi networks
Antenna Type	Ku-band
Service Coverage Area	Seamless Worldwide Regions
Maximum Speed Download/Upload ¹	10 Mbps/3 Mbps
Above-decks Equipment	
Antenna Dish Diameter	60 cm (24")
Antenna Unit Dimensions/Weight	66.6 cm D x 79.2 cm h (26.2" D x 31.2" h) / 24.3 kg (53.6 lbs)
Elevation/Azimuth Range	-24° to 116° / commercial-grade rotary joint for unlimited azimuth rotation
Temperature	Operating: -30°C to 55°C (-22°F to 131°F); Survival: -35°C to 70°C (-31°F to 158°F)
Humidity	IEC 60945; 40°C (104°F), 95% Humidity (non-condensing)
Rain	Precipitation rate of 1.7mm/min, w/wind speeds up to 100 knots
Antenna Unit Power	DC, provided by the TracNet Hub or Hub*
Antenna Cable	100' coax cable provided; supports cable runs up to 500'; see kvh.com/tracnetcables or contact KVH Technical Support for specifications
Remote Support	Integrated cellular radio for access by KVH Technical Support (requires SIM activation)
Below-decks Equipment – TracNet Hub*	
Dimensions	48.3 cm l x 30.7 cm w x 4.5 cm h (19" x 12.1" x 1.75"); will fit in 1U slot; rack-mountable with optional mounting provisions ²
Weight	3.7 kg (8.3 lbs)
Temperature	Operating: -25°C to 55°C (5°F to 131°F); Survival: -15°C to 70°C (5°F to 158°F)
Heading Input	NMEA 2000, NMEA 0183 magnetic or true heading
Input Power	100-240 VAC, 50-60 Hz auto switching, 250W max
Data Interfaces	4 Ethernet: IEEE 1000BASE-T 2 USB 3.0 Ports
Voice Interfaces	2 RJ11 ports for VoIP services
Below-decks Equipment – TracNet Hub	
Dimensions	23.6 cm x 20.5 cm x 4.4 cm (9.34" x 8.05" x 1.73")
Weight	1.4 kg (3 lbs)
Temperature	Operating: -15°C to 55°C (5°F to 131°F); Survival: -25°C to 70°C (5°F to 158°F)
Heading Input	NMEA 2000, NMEA 0183 magnetic or true heading
Input Power	10-30 VDC, 125W max
Data Interfaces	4 Ethernet: Gigabit 1000BASE-T IEEE 802.3; 2.4/5GHz IEEE 802.11ac/a/b/g/n 2x2 MIMO Wi-Fi; 2 USB 3.0 Ports
Voice Interfaces	1 RJ11 port for VoIP services

System Options		
KVH Link	Available for commercial applications. See kvh.com/link for details.	
KVH OneCare™ Support Program	Available; see kvh.com/onecare for details	
Iridium Certus® Optional Backup	Available; see "Optional Backup" on kvh.com/H60 for details	
Terrestrial Communications Module – Cellular Specifications		
Band Support		
Regions	Global, except China	
5G	Standards	3GPP Release 15 NSA/SA operation, Sub-6 GHz
	MIMO	DL: Up to 4 x 4 MIMO UL: Up to 2 x 2 MIMO
LTE (4G)	Standards	DL Cat 20; UL Cat 18 LTE-FDD, LTE-TDD & LTE-LAA
	MIMO	DL: Up to 4 x 4 MIMO
UMTS (3G)	WCDMA	
Data Rates (max) ³		
5G	5G NR SA Sub-6GHz	DL 4.2 Gbps; UL 450 Mbps
	5G NR NSA Sub-6GHz	DL 5.0 Gbps; UL 600 Mbps
LTE	LTE-A	DL 2.0 Gbps; UL 200 Mbps
UMTS	WCDMA	DL 42 Mbps; UL 5.76 Mbps
Terrestrial Communications Module – Wi-Fi Specifications		
Wi-Fi Standards	IEEE 802.11ac/a/b/g/n	
Band Support	2.4 Ghz / 5 Ghz	
Data Rate (max) ³	802.11b: 11Mbps	
	802.11a/g: 54Mbps	
	802.11n: 300Mbps	
	802.11ac: 867Mbps	
MIMO	Up to 2 x 2 MIMO	
Security	WPA2, WPA3	
Complete System		
Certification	Complies with the essential requirements of Radio Equipment Directive 2014/53/EU, which includes the safety objectives set out in EN62368-1 and in EMC directive EN60945 NMEA 2000 Certified RoHS & REACH	
System Warranty ⁴	Comprehensive 2-year parts, 2-year labor warranty supported by KVH's worldwide Certified Support Network (CSN); extended warranty up to 5 years available	
Part Number	01-0436-11	

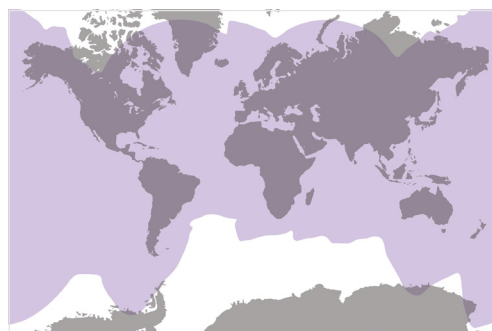
Meets **CE** requirements. Exceeds Inmarsat operational, survival, and shock specifications.

¹ Published data speeds are maximum speeds and may vary in different regions and under different conditions.

² Optional Below-decks Mounting Case (Part Number 72-0368) available for vessels without a rack.

³ Data rates theoretical only and actual value depends on network conditions. Data rates limited by 1 Gbps Ethernet LAN interface.

⁴ Unless subject to in-country regulations. Restrictions apply. Visit kvh.com/warranty for details.



KVH Global, Layered Ku-band HTS Network Coverage TracNet 60 cm and 1 m System Coverage Map

Coverage maps are representative and may change at any time. Data rates may also vary in different regions. For complete details, visit kvh.com/tracnetmaps and click on the KVH ONE coverage map. KVH provides no guarantees of satellite coverage or availability.

■ 60 cm and 1 m



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