

MCD-VOYAGER

A Portable Satellite Internet WiFi Hotspot



The MCD-Voyager is an Auto-Pointing Satellite Terminal in a Closed Hardened Case

WiFi Hotspot Anywhere

Simply lay the MCD-Voyager case under the sky and turn it on. That's it! **In one minute** the MCD-Voyager connects with a Thuraya satellite and establishes a WiFi Internet hotspot automatically for any in-range wireless device. This auto-tracking Thuraya terminal delivers high-speeds of up to 444 Kbps from orbiting satellites, so connectivity is most everywhere in the eastern hemisphere. The durable all-weather case uses an auto-tracking satellite antenna, so connectivity can be when stationary or moving, such as on top of a moving vehicle, or onboard ocean going vessels. The external panel of the MCD-Voyager has two Ethernet ports, a display to show battery level and a power port for recharging the battery or for continuous power for 24 x 7 operation.



No User Training - No Certification Required

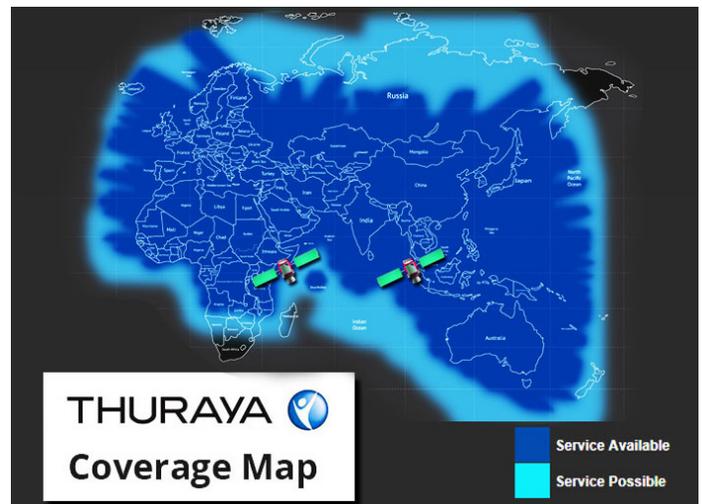
Simplicity and performance was our goal when developing the MCD-Voyager. There is only one button to push which powers the system on or off. Once it's turned on, the terminal will auto-connect with the Thuraya satellite, no matter if it's stationary or on a moving surface such as a sailboat. The system will operate for up to 5 hours on internal battery, or continuously while plugged in any vehicle DC power port or any 110 or 220 VAC wall outlet.

The Quickstart guide affixed to the lid of the MCD-Voyager will provide all the instructions necessary for operation, even for the first time user. Connecting to the device is identical to connecting with a WiFi hotspot anywhere. The wireless connection may be password protected to limit use to only authorized users.

The MCD-Voyager Features

- ▶ **No Pointing** - Simply turn the unit on under the sky.
- ▶ **Does NOT require user interaction after turning it on.**
- ▶ No software to run. Establishes Wi-Fi hotspot automatically.
- ▶ Operates moving or stationary with case lid closed.
- ▶ Operates up to 5 hours of internal battery life for normal use.
- ▶ Ruggedized hardened plastic case. All weather operation.
- ▶ Up to 100 meter WiFi range for up to 10 wireless devices.
- ▶ Internet speeds of 444 Kbps download by 404 Kbps upload.
- ▶ Two Ethernet ports (RJ-45) with PoE (Power over Ethernet).
- ▶ May be plugged into vehicle 12V power for continuous use.
- ▶ Operates at -25°C to 70°C (-13° F to +158° F) temperatures.
- ▶ May operate on any moving vehicle, boat or other platform.
- ▶ Operates in heavy rain, and up to 20mm of ice build-up.
- ▶ Internal fan keeps internal electronics cool in hot weather.
- ▶ The MCD-Voyager operates in most of eastern hemisphere.
- ▶ Backlit display for night use. Shows remaining power.
- ▶ Portable - Ships UPS, FedEx, DHL, flight luggage anywhere.
- ▶ Full IP compatibility - Internet, SMTP email, FTP and VPN.
- ▶ The MCD-Voyager is manufactured by Ground Control.

Wide Service Area



MCD-VOYAGER



Simply place the MCD-4800 under an open sky, on top of a rock, a moving car, an ocean vessel and turn it on. It connects to the satellite and creates a Wi-Fi hotspot for any in-range laptops or other wireless devices.



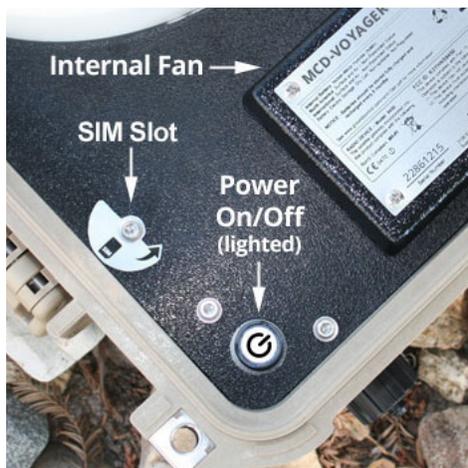
Two external Ethernet ports (RJ-45 with PoE) on the front panel can be used for a hardwire Internet connection for added security. Watertight Ethernet cables are available to keep the cable sealed from weather.



The MCD-Voyager operates with the case lid closed and is environmentally rated IP66 (water jets from any direction), operating for up to 5 hours on the internal battery, or continuously if power is available.



The MCD-4800 requires no training and can be operated by anyone from country to country. Instructions for operation are on the Quickstart guide affixed to the lid.



Inside the case is a lighted power button and the SIM card slot. An internal fan helps keep electronics cool when temperatures rise. It is recommended to open the case lid to help vent excess heat buildup in hot weather.



The MCD-Voyager web interface can be accessed by any connected browser. Screens show battery life, data usage, wireless security settings, MAC address filtering, SMS messaging screens, and many other parameters.

MCD-Voyager Specifications

SPEEDS & NETWORK

Connection Time (From a cold start).....	Average 1 minute
Download/Upload Internet Speeds.....	444 Kbps down, 404 Kbps up
Wi-Fi.....	802.11b/g/n - Up to 100 meter WiFi range (328 feet)
DHCP.....	Default setting for connecting up to 10 devices
External Ports.....	Two Ethernet RJ-45 ports, Power/Charge port
Wireless Security.....	WEP, WPA, WPA2 & MAC Filtering (whitelist)
Streaming Services (1:1 CIR).....	Up to 384 Kbps
Web Interface.....	For all device types including smartphones

SYSTEM CHARACTERISTICS

Case Colors Available.....	Black, silver, orange, yellow, desert tan, green
Exterior Dimensions	17"L x 13.75"W x 6.75"H (432 x 349 x 171 mm)
Weight.....	11.46 kg (25.3 lbs)
Internal Battery Life	Up to 5 hours of normal use
Recharge Time	About 4 hours from fully discharged
Humidity.....	95% RH at +40°C
Operating Temperatures (Internal Electronics).....	-25° C to 70° C (-13° F to +158° F) operating
Rain/Water/Dust Ingress.....	IP66 when case is closed (powerful water jets)
Max Turning Rate.....	40° per second
Turning Acceleration.....	50°/s ²
Wind.....	If case is secure, it is not affected by wind
Ice.....	20mm of ice buildup before non-operation
Warranty.....	1 year P&L. Extended 3-5 year warranties available
Compliance Certifications (radio).....	CE, EMC 301 444, 301 489, IEC 60950

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