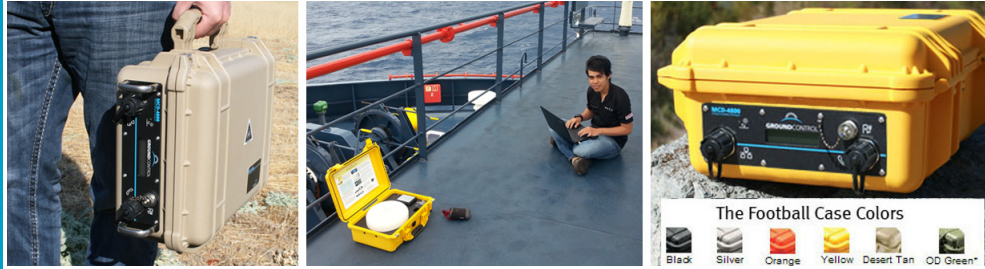


MCD-4801 "The Football"

An All-Location Global Wireless Hotspot



The MCD-4801 is an auto-pointing BGAN satellite terminal in a closed hardened case

Easy-To-Use Global Broadband Internet Case

Simply lay the case flat under the sky and press the power button inside the case. **In one minute** the MCD-4801 will connect with a BGAN satellite and establish a wireless hotspot for any in-range devices. Nicknamed "The Football", this auto-tracking BGAN terminal delivers broadband speeds of up to 464 Kbps to 11 concurrent wireless devices, all housed in a durable all-weather case that stays closed for full operation. Two external Ethernet ports (RJ-45) allow the connection of two external devices.



Manufactured by Ground Control

Ground Control is an industry leader in mobile and portable satellite connectivity since 2002. Like our popular line of Toughsat mobile satellite systems, we build each MCD-4801 with components designed for extreme environments.

No User Training - Global Operation

Simplicity and performance was our goal when developing the MCD-4801. There is only one button, so once it's turned on, everything is automatic. Each case will operate for up to 5 hours on a single charge, or operate continuously while plugged in any vehicle DC power port or any 110 or 220 VAC wall outlet.

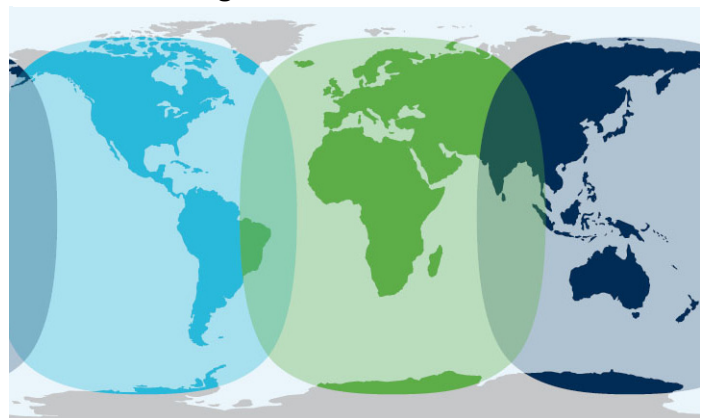
Service for the MCD-4801

The MCD-4801 will operate with any Inmarsat BGAN service provider, however, Ground Control's BGAN servers at Inmarsat deliver excellent broadband speeds no matter where you take the MCD-4801 on the globe.

The MCD-4801 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 WiFi hotspot automatically.
- ▶ Up to 5 hours of internal battery life for normal use.
- ▶ Case operates stationary or moving on land and ocean.
- ▶ Ruggedized hardened plastic case. All weather operation.
- ▶ Up to 100 meter WiFi range for up to 11 wireless devices.
- ▶ WPA2 Wireless Security. 802.11b/g/n
- ▶ Internet speeds of 464 Kbps download by 448 Kbps upload.
- ▶ Two external Ethernet ports (RJ-45). Capped when not in use.
- ▶ 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-4801 operates globally (except for the poles).
- ▶ Portable - Ships UPS, FedEx, flight luggage anywhere.
- ▶ Full IP compatibility - Internet, SMTP email, FTP and VPN.
- ▶ Global public (static) IP addresses are available.
- ▶ Usage only or prepaid service plans available.
- ▶ Unlimited BGAN plans are available from Ground Control.
- ▶ BGAN service and support provided by Ground Control.
- ▶ The MCD-4801 is manufactured by Ground Control.

Global Coverage - One Service Plan



MCD-4801



Simply place the MCD-4801 under an open sky, on top of a rock, a moving car, an ocean vessel and turn it on. It connects to the satellite to create a Wi-Fi hotspot for any in-range smartphone, laptops or other wireless devices.



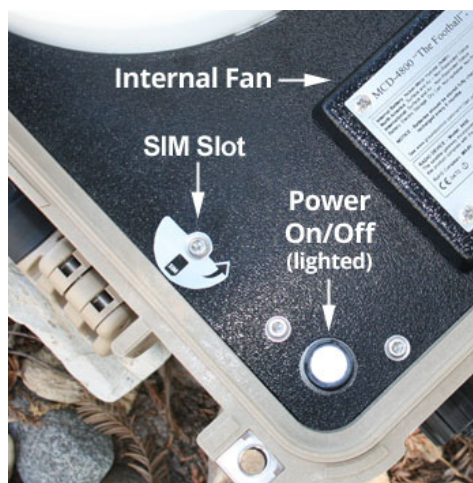
Both Ethernet LAN ports (RJ-45s) are available for hardwire connections. When not in use, it is capped to waterproof the case. Waterproof Ethernet connectors are also available. Please note the stainless steel bumpers to help protect the front panel from impacts.



Inside the case is the auto-pointing antenna which is excellent for ocean going vessels and oil rigs. With the lid open or closed, the terminal operates for up to 5 hours on internal battery, or continuously if power is available.



The MCD-4801 is a WiFi Hotspot for any in-range device within 100 meters. WiFi may be turned on or off depending on user preference.



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



The MCD-4801 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.



Operation requires no training and can be operated by anyone. Since the case lid can be shut for full operation, the MCD-4801 may be placed in wet and dirty locations without issue.

MCD-4801 “The Football” Specifications

BANDWIDTH & NETWORK (Inmarsat BGAN Network)

Connection time (from a cold start).....	Average 1 to 1.5 minutes
Download/upload Internet speeds.....	Class 2 BGAN (Up to 464 Kbps down x 448 Kbps up)
WiFi.....	802.11b/g/n - Up to 100 meter WiFi range (328 feet)
DHCP.....	Default setting for connecting up to 11 devices
External ports.....	Two Ethernet RJ-45s, Power/Charge Port
Public (Static) IP address.....	Optional
Wireless security.....	WPA2, MAC Filtering (whitelist)
Streaming services (1:1 CIR).....	32Kbps, 64Kbps, 128Kbps
BGAN Data Services	Supports all BGAN SIM types - All Providers
Web interface.....	For all device types including smartphones
VPN	Available with BGAN providers

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.....	25.3 lbs (11.46 kg)
Internal battery life.....	Up to 5 hours of normal use
Recharge time	About 8 hours from fully discharged
Humidity.....	95% RH at +40°C
Operating temperatures.....	-25° C to +70° C (-13° F to 158° F)
Rain/Water/Dust ingress.....	IP67 (submerged 1 meter under water)
Wind.....	If case is secure, it is not affected by wind
Ice.....	20mm of ice buildup before non-operation