

# THE FOOTBALL

## An All-Location Wireless Hotspot



## THE FOOTBALL is an Auto-Pointing BGAN Satellite Terminal in a Hardened Case

### Easy-To-Use Global Broadband Internet Case

The Football is a high-speed global wireless Internet hotspot using the BGAN satellite service for broadband speeds of up to 464 Kbps. This fully automatic system is enclosed in a durable all-weather case that stays closed for full functionality. Access ports on the side of the case are for Ethernet (Internet) and analog phone connections. When turned on, the self-pointing electronics establish a BGAN satellite connection, it then creates a 100' radius wireless "b" access point for any in-range device... all in about 1 minute.



### Manufactured by Ground Control

Ground Control is a mobile and portable satellite system leader since 2002. Like our transportable mobile satellite dishes, we build each Football case in our plant in California with premium grade components that operate in extreme environments. We are also a BGAN service and equipment experts, and deliver the highest global broadband speeds possible in a small, portable case solution. Simplicity and performance is our goal.

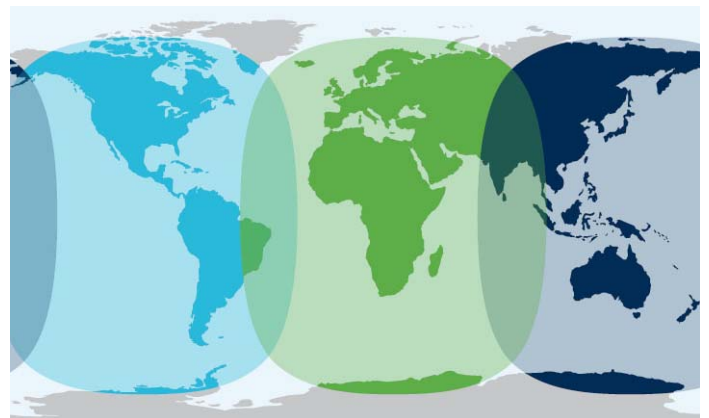
### Simple Operation - No User Training

Operation is as easy as laying the case flat under an open sky and turning power on with a key. In about a minute, a wireless access point will become available for any in-range device. Each case will operate for 6 hours on a single charge, or operate continuously while plugged in any vehicle DC power port, or AC wall plug. An optional foldable solar panel allows for easy recharging in areas where power is unavailable.

### The Football 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.
- ▶ Ruggedized hardened plastic case. All weather operation.
- ▶ 100' radius 802.11b range for any wireless device.
- ▶ Internet speeds of 464 Kbps Up by 448 Kbps down.
- ▶ Includes corded standard analog phone w/ Caller ID.
- ▶ External Ethernet port (RJ-45). Capped when not in use.
- ▶ External phone port (RJ-11 for any corded or cordless phone).
- ▶ 6 hours of internal battery life (rechargeable) for normal use.
- ▶ May be plugged into vehicle 12V power for continuous use.
- ▶ Operates at -15°F to 131°F (-26° C to +55° C) temperatures.
- ▶ May operate on any moving vehicle, boat or other platform.
- ▶ Operates in heavy rain, and up to 20mm of ice build-up.
- ▶ Watertight, dustproof, crush resistant, impact resistant case.
- ▶ The Football 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 available.
- ▶ Cost effective "always-on" access. Pay for only what is used.
- ▶ BGAN service and support provided by Ground Control.
- ▶ The Football is manufactured by Ground Control.

### Global Coverage - One Service Plan





Simply place The Football under an open sky, on top of a car, a boat, a rock, a balcony and turn it on. The Wireless "b" access point will connect any in-range devices such as laptops and smartphones.



An Ethernet LAN port (RJ-45) is available for a hard wire Internet connection. Normally it is sealed when not in use. The panel display shows battery life and internal system temperature.



Inside the case is the auto-pointing antenna, as AC/DC charger, portable vehicle inverter, & phone. The system will operate for 6 hours on internal battery, or continuously if power is available.



The Football includes a 2-wire corded phone with a 50' (15 meter) extension cable. Any standard corded or cordless phone will operate with the Football.



The case never needs to be opened to operate making setup easy for anyone. Note that case should be at least 1-2 meters from any person during operation.



The Football interface is accessed by any connected browser. Screens show battery life, BGAN usage, wireless security settings, MAC address filtering, SMS texting screens, and many other options.



Choose any color and create a mobile office anywhere on the planet with high-speed wireless Internet and phone in 60 seconds.

## The Football Specifications

<b>BANDWIDTH &amp; NETWORK</b> (Inmarsat BGAN Network Using Ground Control BGAN Service Plans)	
Connection Time (From a cold start).....	1 minute after GPS is acquired (average 1.5 minutes).
Download/Upload Internet Speeds.....	Class 2 BGAN (Up to 464 Kbps down x 448 Kbps up).
Wi-Fi.....	802.11b - 100' radius range (30m).
DHCP.....	Default Setting for connecting up to 11 devices.
External Ports.....	Ethernet RJ-45, Phone RJ-11, Power/Charge Port.
Public (Static) IP Address.....	Optional.
Wireless Security.....	WEP 64 & 128 bit, MAC Filtering (whitelist)
Streaming Services (1:1 CIR).....	32Kbps, 64Kbps, 128Kbps.
ISDN.....	ISDN Data at 64Kbps at 45° look angle or greater.
FAX.....	3.1 kHz audio RJ-11 Internal port.
Web Interface.....	For all device types including smartphones.

### SYSTEM CHARACTERISTICS

Case Colors Available.....	Black, Silver, Orange, Yellow, Desert Tan, OD Green
Exterior Dimensions .....	17"L x 13.75"W x 6.75"H (432 x 349 x 171 mm).
Weight .....	24 lbs (10.9 kg).
Internal Battery Life .....	6 Hours of normal use.
Recharge Time .....	4 hours from fully discharged.
Humidity .....	95% RH at +40°C.
Operating Temperatures.....	-15° F to 131° F (-26° C to +55° C) operating.
Rain/Water/Dust Ingress.....	IP-64 when case is closed.
Wind.....	If case is secure, it is not affected by wind.
Ice.....	20mm of ice buildup before non-operation.