

BGAN

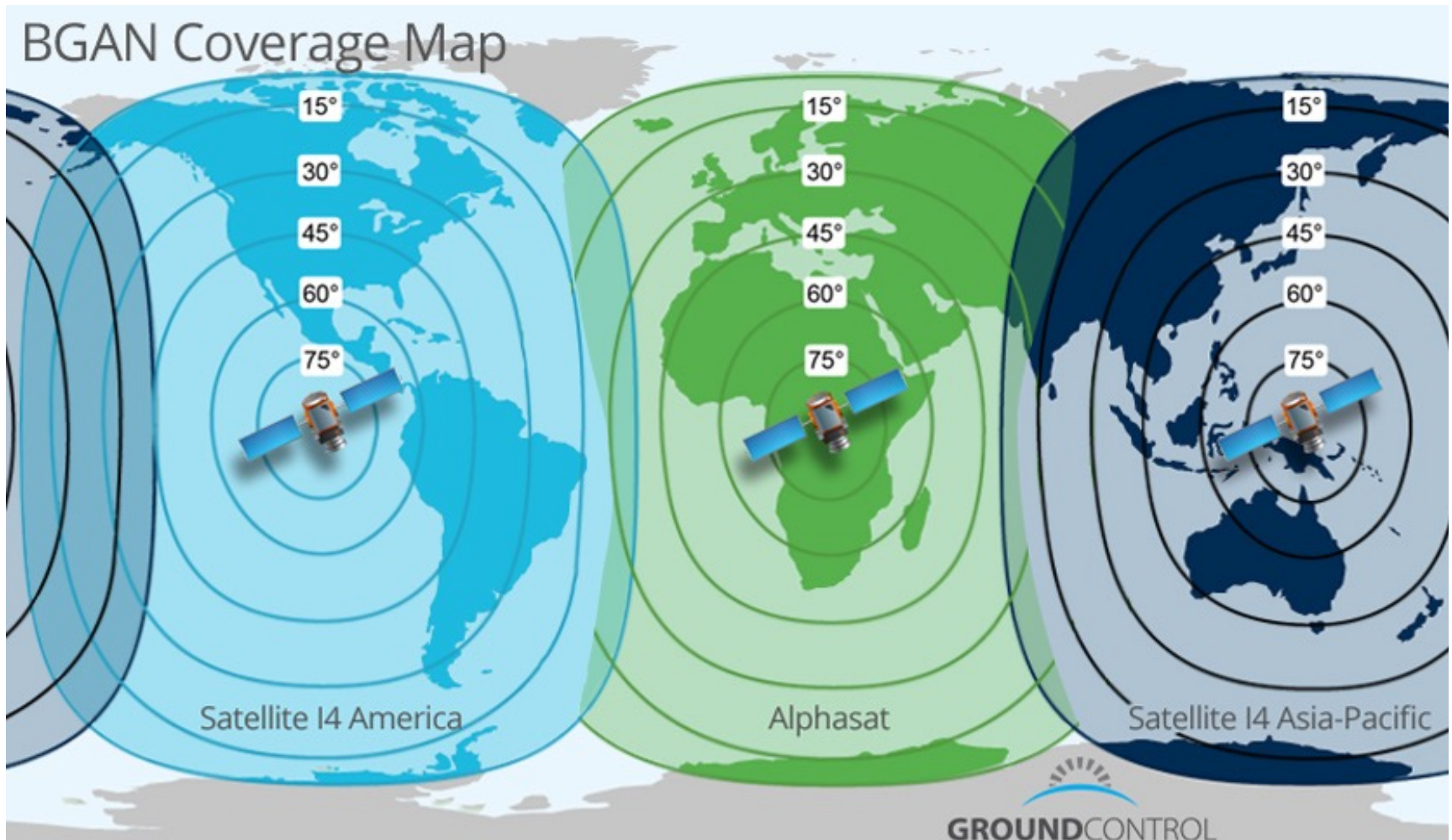
Broadband Global Area Network

what is BGAN

BGAN (pronounced "Be-gan") is short for "Broadband Global Area Network". This network is comprised of four satellites owned by [Inmarsat](#). These satellites are in stationary orbit around the planet so that no matter your location, you may connect with one of the satellites using any of the many BGAN terminals



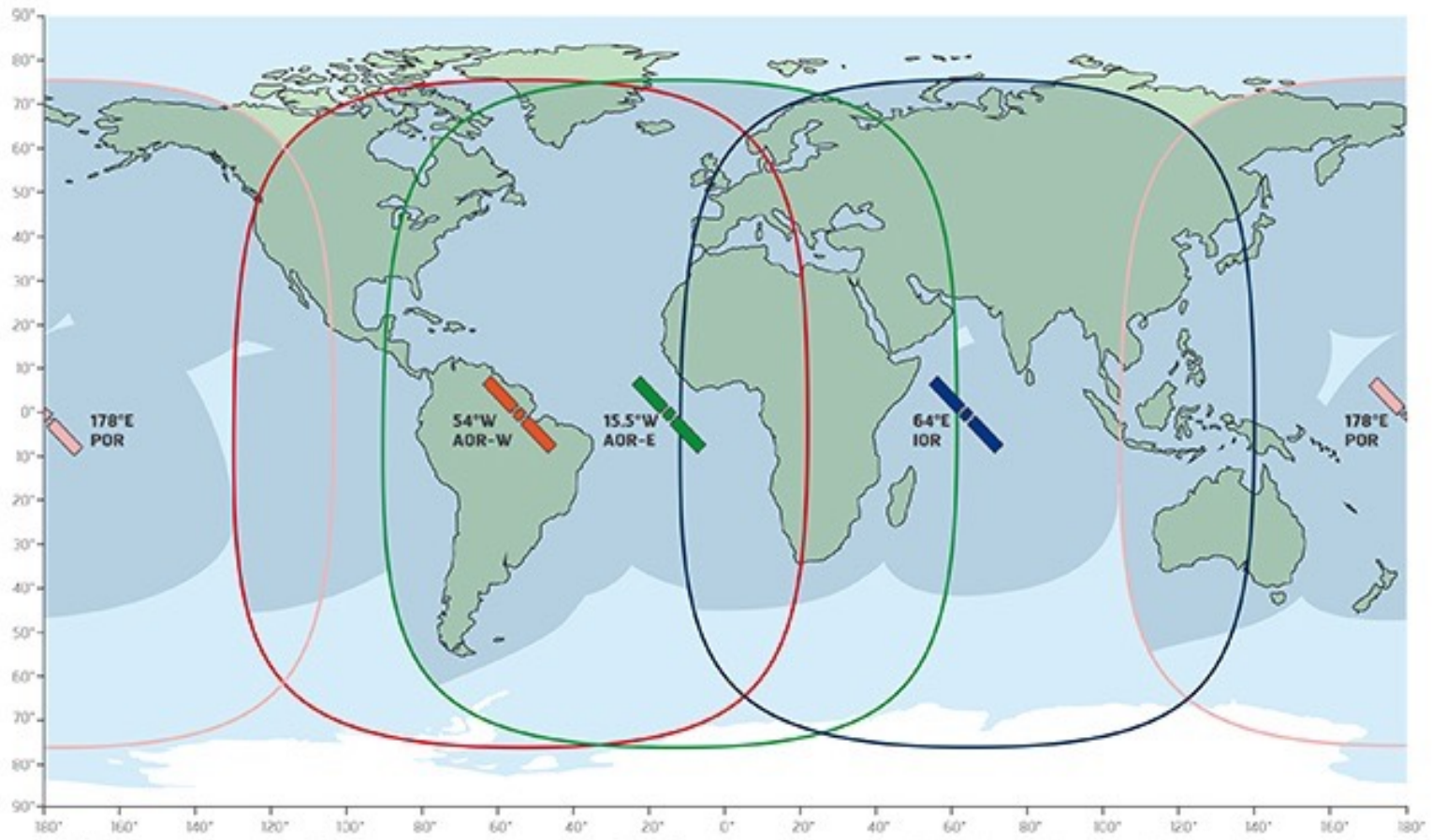
The BGAN Coverage Map



Only the polar regions are unable to connect because line-of-sight to the orbiting satellite is not possible. Services available through a BGAN terminal are high-speed Internet, phone, FAX, ISDN, SMS messaging/texting, and streaming services (the last of which are simply unshared Internet channels used by video/news broadcasters for live video feeds).

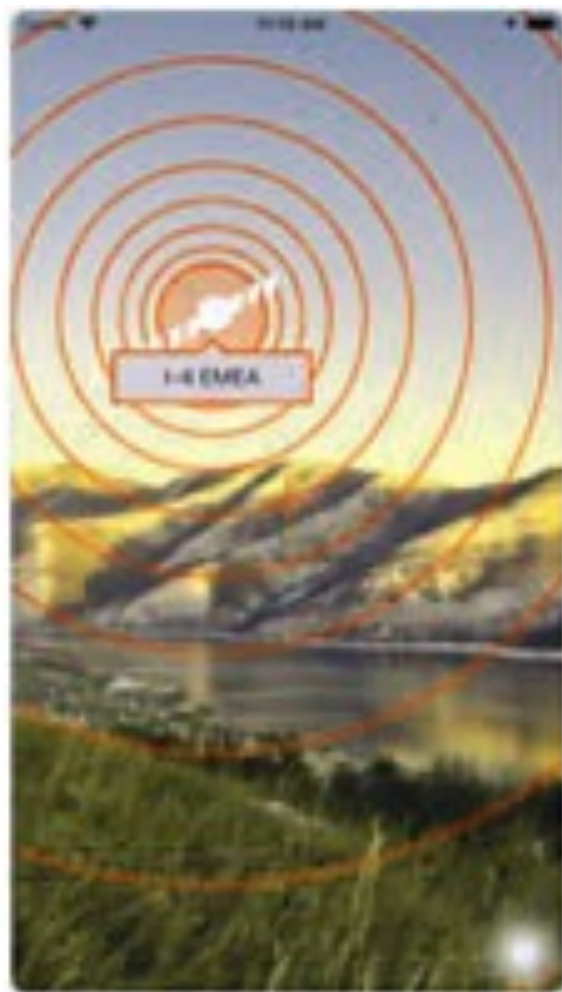
Satellite Names and Orbital Locations

- Atlantic Ocean Region West (AOR-W), at 54 degrees West
- Atlantic Ocean Region East (AOR-E), at 15.5 degrees West
- Indian Ocean Region (IOR), at 64 degrees East
- Pacific Ocean Region (POR), at 178 degrees East



You may locate any of the BGAN satellites using your iPhone or iPad with the **free** BGAN Pointer App from Livewire Digital. Handy to have for remote locations or scouting for fixed locations. This App only requires a GPS fix and does not need an Internet connection to operate globally. It's free, so download it now and test it out.

BGAN Pointer App



BGAN Frequency

All **BGAN** terminals use the L-Band frequency, which is the same frequency used by satellite phones. L-Band frequencies have a very long wavelength and as such are not affected by rain fade as much larger satellite dish systems that use the Ku and Ka frequency band

BGAN Terminal Transmit and Receive Frequencies

Transmit: 1626.5 MHz – 1660.5 MHz

Receive: 1525 MHz – 1559 MHz

***BEGAN* Terminals**

- **Explorer 510 BGAN Terminal**
- **Hughes 9202 BGAN Terminal**
- **Hughes 9211 BGAN Terminal**
- **Explorer 710 BGAN Terminal**
- **MCD-4800**
- **Hughes 9502**
- **Hughes 9450**

Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://192.168.0.1/#log

192.168.0.1/#main

Most Visited Getting Started

EXPLORER 710

Standard
 576.0 kB
 10.166.147.100
 41.0 kB

32 Streaming

64 Streaming
 Usage totals each session

128 Streaming

176 Streaming

256 Streaming

HDR Half Asymmetric
 325 Kbps upload x 65 Kbps down

HDR Half Symmetric
 325 Kbps upload x 325 Kbps down

BGAN X-Stream
 450 Kbps x 450 Kbps

HDR Full Asymmetric
 650 Kbps upload x 64 Kbps down

HDR Full Symmetric
 650 Kbps upload x 650 Kbps down

Terminal status	
Status	Ready
Logged in as	Admin

Satellite info	
Current satellite	Americas
Airtime Provider	Inmarsat

Call info	
Status	Offline

Mozilla Firefox

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192.168.0.1/#main

EXPLORER 710

Standard	HDR Full Asymmetric 0:19.40 1792 kb 10.0.1.2
HDR Full Symmetric	HDR Half Symmetric
BGAN X-Stream	256 Streaming
HDR Half Asymmetric	128 Streaming
176 Streaming	32 Streaming
64 Streaming	

Terminal status	
Status	Ready
Logged in as	Admin

Satellite info	
Current satellite	Americas
Airtime Provider	Inmarsat

Call info	
Status	Offline

BGAN Bundle Plan - 12 month valid period - Minimum \$1500 USD - SKU: BGANBWBUNDLE**All BGAN Services - Streaming (per minute), Standard (per Megabyte), Voice, SMS Texting, ISDN.**

SKU: BGANBWBUNDLE	Upload Speed	Download Speed	Cost In U.S. Dollars
<input type="checkbox"/> BGAN HDR Full Channel Symmetric Explorer 710 BGAN Terminal Only	650 Kbps	650 Kbps	\$27.79 per minute
<input type="checkbox"/> BGAN HDR Full Channel Asymmetric Hughes 9211 or Explorer 710 BGAN Terminals Only	650 Kbps	64 Kbps	\$23.40 per minute
<input type="checkbox"/> BGAN HDR Half Channel Symmetric Explorer 710 BGAN Terminal Only	325 Kbps	325 Kbps	\$20.48 per minute
<input type="checkbox"/> BGAN HDR Half Channel Asymmetric Hughes 9211 or Explorer 710 BGAN Terminals Only	325 Kbps	64 Kbps	\$15.14 per minute
<input type="checkbox"/> Streaming 450 Kbps - BGAN X-Stream	450 Kbps	450 Kbps	\$21.20 per minute
<input type="checkbox"/> Streaming 256 Kbps	256 Kbps	256 Kbps	\$15.14 per minute
<input type="checkbox"/> Streaming 176 Kbps	176 Kbps	176 Kbps	\$12.43 per minute
<input type="checkbox"/> Streaming 128 Kbps	128 Kbps	128 Kbps	\$8.78 per minute
<input type="checkbox"/> Streaming 64 Kbps	64 Kbps	64 Kbps	\$5.05 per minute
<input type="checkbox"/> Streaming 32 Kbps	32 Kbps	32 Kbps	\$2.63 per minute

Other BGAN Services

<input type="checkbox"/> Standard BGAN Service (per MB transferred)	\$4.89 per Megabyte
<input type="checkbox"/> Voice Service to Landline (worldwide)	\$0.59 per minute
<input type="checkbox"/> Voice Service to Cellular (worldwide)	\$0.76 per minute
<input type="checkbox"/> Voice - BGAN to BGAN (worldwide)	\$0.44 per minute
<input type="checkbox"/> SMS Messaging	\$0.29 per text
<input type="checkbox"/> Public-Static IP	\$25 per month

- > A minimum of \$1,500 USD is required to open a streaming capable Bundle plan.
- > All BGAN services are available and deduct from Bundle funds at the above listed rates.
- > There is no maximum amount that can be purchased, and additional funds may be added.
- > A suspension alert will be issued to email address(es) when 80% of funds have been spent.
- > Bundled accounts have a valid period of 1 year from activation.

