



## Hughes BGAN 9201 Test Report April 2009





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### General Information

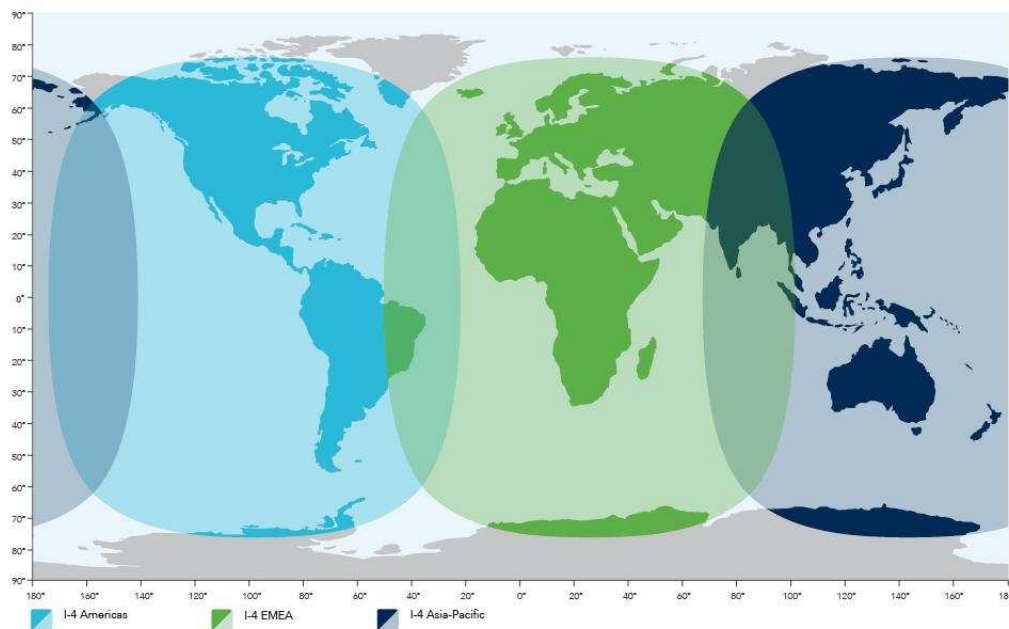
The Hughes terminal is very simple to operate and setup. The initial configuration straight out of the box does require a connection to a computer. However after all of the auto-login features are enabled the unit can recover from a power cycle independently and reestablish its satellite connection. For access back to a receiver connected to this unit a vpn router will be needed. The terminal, once it has determined its own position with an internal GPS receiver, will give you an azimuth and elevation to aim the antenna. This aiming process is also very easy and will take only a few seconds to accomplish. The terminal is weather rated at IP55. This rating states that it is able to resist solid particle intrusion down to the dust level and water proof up to the level of jetting water. It can operate in a temp range of -25C to +60C. Part of the test was conducted with the unit inside of a pelican case. This would protect the unit from any particles or water intrusion at all. The case caused very little degradation of the unit's performance. The transmission speed was measured at: Download 340 kb/s Upload 100 kb/s The power consumption was measured at: Standby 4.5watts Operating 10watts

#### Info from Data Sheet:

Weight: 2.8 kg (terminal with battery)  
Dimensions: 27.5 cm x 34.5 cm x 5.0 cm  
Battery Life\*: Transmit: 162 megabytes  
Receive: 864 megabytes  
36 hours standby time  
Humidity: 95% RH at +40° C  
Temperature: -25° C to +60° C operating  
-25° C to +60° C storage  
(w/ battery)  
Water & Dust: IP-55 standard  
Wind: Operational 25 mph (40 km/h)  
Survival 100 mph (160 km/h)  
Ice: 25 mm non-operational

## Inmarsat Coverage Map As of 3/1/09

I-4 satellite coverage post repositioning



This map depicts Inmarsat's expectations of coverage post repositioning of its I-4 satellites. This map does not represent a guarantee of service. The availability of service at the edge of coverage areas fluctuates depending on various conditions.

inmarsat.com



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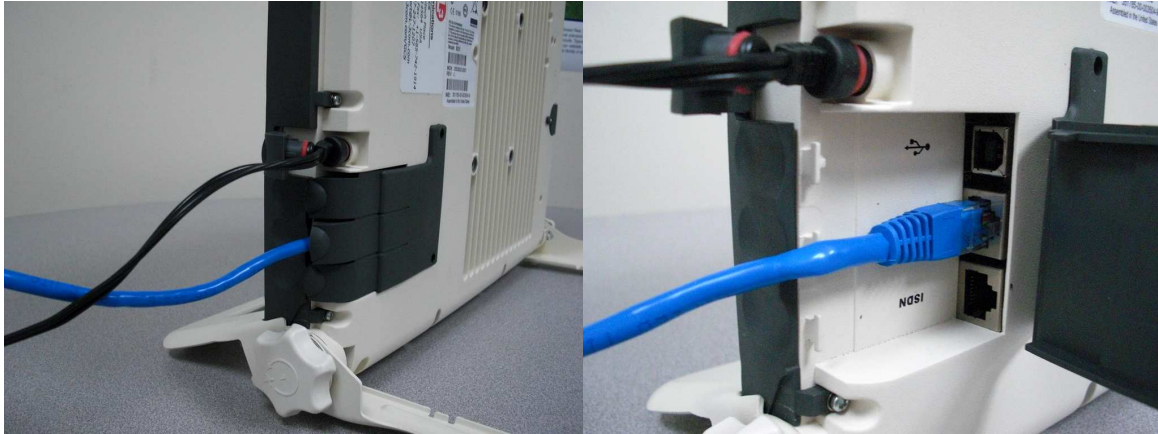


**3/4 Side View**



**Back View**





**Cable Connections Open and Closed Cover**



**External Controls and Indicator Lights**

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**As Tested Inside Pelican Case**



**In Case With 18ah Battery**