



**The Ground Control MSS Mobile Satellite Internet Systems makes a high-speed Internet connection no matter where you park an RV. As long as you have a view of the southern sky, you can be online in about three to seven minutes.**

### Mobile Internet Satellite

The MSS mounts on top of your RV or trailer. Press a button on the remote panel and the dish automatically deploys, locks on satellite and creates a high-speed network to any connected computer. No phone lines, no cell phones, no satellite phones and there is little or no training required to operate. This is high-speed Internet anywhere satellite technology available to everyone.

### Depend on Ground Control

Ground Control has been the industry leader in mobile satellite Internet connectivity with thousands of customers for over 5 years. Ground Control will be there when you need us anywhere in the United States.

### What are the possibilities?

Imagine parking anywhere, pressing a button and in seven minutes you have connectivity just like at your home. You can connect 1 or 10 computers to the Internet, all at high-speed. You can also use the system to make telephone calls to anyone in the world with VOIP software.

### How fast is it?

The mobile system download speeds range between 400 and 2000 Kbps. Download a one megabyte file in 5 to 10 seconds. Upload speeds are between 30 to 500 Kbps depending on the monthly service purchased. With monthly service prices starting at \$79 a month, this service is very affordable.



### Mobile Wireless Connectivity

Each system ships with a Linksys wireless access point so any computer within wireless range from the vehicle can connect. This solution unlike cellular, will always be available, that is as long as you can see the southern sky.

### Customer support

The most important aspect to any service is the level of support offered by your supplier. Ground Control was founded and continues to develop around one simple truth—providing unsurpassed customer service and support 24 hours-a-day, 7 days-a-week.

# MSS

## Mobile Satellite System

transportable internet satellite system



System shown is the MSS .74 meter dish



### Mobile High-Speed Internet

Park your vehicle, press a button and in 7 minutes you will create a wireless network to the Internet at high speeds.

No phone lines...

No cell phones...

No satellite phones...

High-Speed Connectivity.



Change any mobile vehicle into a mobile office.

The Magellan deploys in 7 minutes, stows to 13", is fully automatic, and very easy to use.



### Mobile System Support

Technical Support from Ground Control is staffed with trained mobile experts 24/7.



The MSS is completely self-contained. No external computers need to be connected for it to deploy, lock on satellite, and create a local area network for high-speed Internet access to multiple computers. Included in the system are the Mobile Satellite Dish, satellite gateway, a wireless router, and the small MSS remote control panel.

The MSS is also easy to operate with little or no training. Once the system is installed, simply press a button to deploy the dish and create a hotspot that one or many computers can connect to.

### The MSS Remote Control Panel



Attach the MSS Remote Panel on your vehicle dashboard for simple one-touch operation. The three main buttons are:

**Find Satellite** - Raises the dish and locks it on satellite.

**Stow Dish** - Stows the dish so that you may move the vehicle.

**Stop** - Stops all dish movement for any reason.

LED lights show the current status of the system.

### Technical Specifications

#### BANDWIDTH & NETWORK (HughesNet HN7000S Satellite Gateway)

|                                   |                              |
|-----------------------------------|------------------------------|
| Download.....                     | 1000 Kbps                    |
| Upload.....                       | .200 Kbps                    |
| Public IP Address.....            | Optional                     |
| DHCP.....                         | Supported by included router |
| NAT.....                          | Supported by included router |
| Firewall.....                     | Supported by included router |
| Port Mapping.....                 | Supported by included router |
| Networkable clients machines..... | Unlimited - No licensing     |
| Wi-Fi.....                        | Linksys Wireless Router "G"  |

#### SATELLITE DISH

|                          |  |
|--------------------------|--|
| Reflector Type .....     | 0.74 meter Effective Area Elliptical Offset.       |
| Mount Geometry.....      | 3 Axis Motor Drive (Elevation, Azimuth & Skew)     |
| Deployment Sensors ..... | GPS, Compass +- 2 degrees & Tilt Sensor +- 1Degree |

#### MAXIMUM MOUNT ROTATION

|                    |               |
|--------------------|---------------|
| Azimuth .....      | 410 Degrees   |
| Elevation .....    | 152.5 Degrees |
| Polarization ..... | +80 Degrees   |

#### RF INTERFACE

|                         |                    |
|-------------------------|--------------------|
| Transmit Power .....    | 1 watt             |
| Receive Frequency ..... | Range 950-1450 mhz |

#### DIMENSIONS OF DISH

|  |                                    |
|--|------------------------------------|
| Mounting Plate.....                    | 22" x 48"                          |
| Dish Stowing Extended Dimensions ..... | 48" long by 39" wide by 13" height |
| Deployed Height .....                  | 41" to 54" max height              |
| Weight.....                            | 75 lbs                             |

#### ENVIRONMENT

|                     |                              |
|---------------------|------------------------------|
| Wind Deployed ..... | 40 mph                       |
| Wind Stowed .....   | 140 mph                      |
| Temperature .....   | Operational -20 F. to 120 F. |

Call and ask to speak with a Ground Control sales representative for details

GROUND CONTROL

groundcontrol.com

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