



Every once in a while a new technology is introduced that pushes the boundaries of how business gets done. In June 2002, Direcway 2-way satellite systems received approval from the FCC to become mobile... The rules of broadband have now changed... Introducing the DataStorm, the mobile high-speed internet solution.

#### 2-Way Mobile Internet Satellite

The DataStorm mounts on top of your company truck, RV or command trailer. Click a button and the dish automatically deploys and locks on to a selected satellite. Once locked on, you're online at broadband speeds. No phone lines, no cellular phones, no satellite phones. This is true 2-way satellite technology available for one low fixed monthly price.

#### Who Is Ground Control?

Ground Control is the industry leader and provider of mobile bandwidth via the Direcway platform. As a platinum level service provider, Ground Control has the expertise you demand with this new technology.

#### What Are The Possibilities?

Imagine rolling on-site and in six minutes you're on-line and connected to the Internet or your corporate server from ANYWHERE. Receive vital information from headquarters on critical images, or statistics that are just too impractical to do over the phone. Make telephone calls over your satellite when no cellular access is available or when you just want a backup.

#### Will It Support A Network?

Absolutely! With the Network Access Point from Ground Control, you may network in up to 50 computer systems. Create a mobile command center that supports a team of people. Consider going wireless and make your broad-band connection up to a quarter mile away from the vehicle. The DataStorm offers you connectivity anywhere, which is far more effective than cellular or satellite phone technology.



#### Where does it work?

Anywhere you can see the Southern sky. From Canada to Mexico and all the States in-between.

#### 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. When your business is mission critical, support is available 24 hours-a-day, 7 days-a-week.



### Mobile Broadband Internet

With the DataStorm, sending and receiving large amounts of data from the field can happen right now.

- No phone lines...
- No cell phones...
- No satellite phones...
- No problem.



Change any mobile vehicle into a mobile office.

The DataStorm deploys in 6 minutes, stows to 11" high and is fully automatic and quite easy to use.



### Unsurpassed Service

Technical Support is staffed with trained mobile experts who are always available 24/7.



transportable internet satellite system

## DataStorm Standard Features

### FAST SPEEDS

The DataStorm achieves download speed of 400Mbps with burst at 1.7Mbps. This is faster than T1 Speeds! Download a 1 MegaByte file in about 10 seconds. Upload speeds are between 30 to 90Kbps. About twice to three times as fast as a 56K modem.

### SAFETY FEATURES

If you forget to stow the dish and you begin to drive off, the DataStorm senses this and will stow the dish automatically. Also, if the vehicle rocks too much, such as from wind, the dish will sense this and stow automatically.

### TECHNICAL SPECIFICATIONS

The DataStorm Stands 48" tall when deployed, 10.5 inches when stowed.

Reflector Type .....	.74 Effective Area Elliptical Offset.
Mount Geometry .....	3 Axis Motor Drive (Elevation, Azimuth & Skew)
Polarization .....	Dish Rotation Cross-Pol Isolation 35 dB-30 dB Min
Deployment Sensors .....	GPS, Compass +/- 2 degrees & Tilt Sensor +/- 1Degree

### MAXIMUM MOUNT ROTATION

Azimuth .....	370 Degrees
Elevation .....	140 Degrees
Polarization .....	+55 Degrees

### SPEED

Deploying Elevation.....	1 degree per second
Deploying Azimuth.....	12 degrees per second
Peaking.....	1 degree per second
(Typical search time 4 to 7 minutes)	

### RF INTERFACE

LNB for Satellite TV.....	2qty RG6 for dual TV receiver (optional)
Feed Horn LNB & Transmit Cable .....	2qty RG6 for Transmit and Receive
Transmit Power .....	3 Watts
Receive Frequency .....	Range 950-1450 mhz

MOTORS.....	12V DC 1.2 Amps max draw
Electrical Interface.....	9 Conductor 22 AWG 20 ft. Cable

### DIMENSIONS OF DISH

Mounting Plate .....	21 3/4" x 48"
Dish Stowing Extended Dimensions .....	56" long by 39.5 wide by 10.5 height
Deployed Height .....	48" max height
Weight. ....	105 lbs.

### ENVIRONMENT

Wind Deployed .....	60 mph
Wind Stowed .....	140 mph
Temperature .....	Operational -20 F. to 125 F.

### CONTROLLER

Dimensions .....	12"L x 8"W x 1"H
Controller Voltage .....	12V DC 1.2 Amp typical
Interface .....	Serial to Computer

### MODEMS TX & RX

Dimensions .....	12"L x 7" x 3.3/4"H
Modem Voltage .....	120V AC
TX .....	RG6 & USB to Computer
RX .....	RG6

Call and speak to a Ground Control representative for details



www.groundcontrol.com  
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