

Get
mobile
satellite Internet.



DirecStar®
Touch-Screen
Controller



Patents Pending

DIRECSTAR®
MOBILE SATELLITE INTERNET SYSTEM

For people on the move who need to stay in touch

MOBILE SATELLITE SYSTEM FEATURES

- Fully automatic, cost effective, high speed bandwidth services
- Deploys rapidly with one click connectivity for quick signal acquisition
- Works on virtually any satellite Internet broadband platform worldwide
- Delivers Real-time IP, video, voice, audio and data communications virtually anywhere anytime
- Quick, reliable, user-friendly, and secure Internet service

AUTOMATIC MOBILE CONNECTIVITY FOR:

RV customers
New organizations
Emergency medical and service providers
Oil and gas companies
Construction sites
Mobile education
Mobile office applications of all kinds
Broadband and video conferencing for all industries

Get
linked
anytime, anywhere.



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FEATURES & BENEFITS

- Secured Private Networks
- Transportable Wi-Fi Access
- Virtual Private Networks (VPN)
- Voice-Over Internet Protocol (VoIP)
- Universal broadband satellite capability
- Fully automatic rapid satellite acquisition
- Real-time webcasts via multicast delivery and streaming
- 0.74 meter antenna reflector (0.98 & 1.2-meter options available)
- Simple 'touchscreen' controller enables broadband access in one-to-two 'clicks'
- No computer and/or network needed to acquire and lock on satellite
- Auto and fail safe stowing
- Robust low profile design



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DIRECSTAR[®]
MOBILE SATELLITE INTERNET SYSTEM

Application availability is dependant upon satellite bandwidth service.

Technical specifications

GENERAL INFORMATION

Deployed Height: 62" Max (157cm)
 Stowed Dimensions: 57" L x 41" W x 15.25" H
 (144.78cm L x 104.14cm W x 38.74cm H)
 Reflector Type: 0.84m (Optional 0.74cm and 0.96cm)
 Polarization: Dish Rotation Cross-Pol Isolation 35dB - 30dB minimum
 Weight: Approx. 125lbs (57 Kilo)

MOUNT ROTATION

Azimuth: 375°
 Elevation: 90° to Horizon
 Skew (Polarization): + - 45°

ENVIRONMENT

Deployed Wind Resistance (Ku Band): 50m.p.h (80Km)
 Stowed Wind Resistance: 150 m.p.h (241Km)
 Operational Temperature: -40°F to 122° F (-40°C to 50°C)

DEPLOYMENT SENSORS

Global Positioning Satellite (GPS): Yes
 Compass: + - 2°
 Tilt Sensors: + - 0.5°

CONNECTIONS & CABLING

Satellite (DBS) TV: Not available
 Transmit (TX): RG6
 Receive (RX): RG6
 Electrical Data Interface 50' (38.5m)

VOLTAGE & POWER

Motor Voltage: 24V DC 5 Amp Max draw

ACQUISITION SPEED

Deploying Elevation: 7° per/second
 Stowing Elevation: 10° per/second
 Deploying Azimuth: 14° per/second
 Peaking (Cross-Pol) Ku Band: Dependant upon satellite ISP
 Average Overall Acquisition Time: 2 to 4 minutes

IDU - CONTROLLER

Touch Screen / WinCE system
 interfaces: (3) Ethernet RJ45 (10x100), (2) USB A,
 (1) USB B, (1) Serial 9 Pin
 Dimensions: 10.25" L x 10.0" W x 2.0" H (stowed)
 (26.04cm L x 25.40cm W x 5.08cm H)
 Voltage / Power: 120V or 240V AC 5 Amp Max draw