

talia[®]

Portable Satellite Internet System

Providing a cost-effective, flyaway system for remote, multi-user WiFi applications



The Talia Portable Satellite Internet system is easily transported and deployed by one person to provide high speed, WiFi connectivity with bandwidths up to 5Mbps downlink and 2Mbps uplink from any location.

Go where mobile access is not available. With an integrated wireless access point, this satellite solution can become a multi-user, WiFi hotspot in minutes for voice, data and video applications.

Our flyaway mounting system allows the antenna to be easily mounted on the ground or on top of any vehicle roof rack. With the largest case length under 1.6m, the Talia Portable Satellite Internet System can easily fit into most MPVs/SUVs or other vehicle cargo areas. Power requirements are minimal and can be supplied by a mini-inverter from a vehicle power port or from a portable generator.

The Talia Portable Satellite Internet System packs into easily transportable cases providing cost-effective, remote communications. This System can be integrated into Talia's international satellite network providing full connectivity to locations globally.



Key Features

- One Operator Simplicity - No Certification Required
- Single Source Provider for Equipment, Service and Support
- Ground Mounting and Roof Rack Mounting (Fly-and-Drive)
- Speeds of 5Mbps down by 2Mbps up with iDirect X5
- Creates Wi-Fi hotspot in 3.5 minutes automatically
- Dual Matrix Service - Two satellites for redundancy
- Shippable - Under UPS-FedEx-DHL limits (0.98m system)
- Low power usage - 90 watts average (150 watts max draw)
- Works in extreme environments: hot, cold, rain and snow
- Available in 0.98m or 1.2m dish sizes
- 24-7 U.S based support & nationwide field technicians

Wireless 1RU ACU (Dish Controller)

- The front of the ACU has buttons for Deploy, Stow, Stop, Sat 1 and Sat 2.
- Dual Matrix - Redundant satellite service
- Integrated wireless 4 port router.
- No fan required - Operates silent.
- Browser accessible interface screen.
- Intuitive Interface screens controls dish parameters and firmware updates.
- Manual overrides for dish pointing, GPS, Autostow, router, gateway.
- Networking Overrides for IP Address, Subnet Gateway address, DNS.

General Features

- One-button operation
- Requires little or no training to operate
- No certification or licensing to operate
- Dish peaking accuracy is within 0.1 degrees with near zero play.
- Typical seek time to find and lock on satellite is 3.5 minutes.
- Establishes a self-contained local area network with one button.
- Establishes a wireless access point and wiring to computers is optional.
- System is not affected by magnetic distortions to lock on any satellite.
- Operates globally in both hemispheres.
- 6 watt transmitter with 8 watt (optional).
- Can find any linear, Ku-Band satellite.
- Modular design - components easily replaced if problems occur.
- Operational in high winds.
- Operational in temperatures of -28° C to 60° C at 100% humidity.
- No software to install.
- Computer control is not required.
- Autostow safety feature activates if the system is moved or goes off signal.

Diagnostic & Updating

- System provides accurate technical diagnostics without dispatching a technician to remote sites.
- System provides historical log of events for accurate diagnostics and quick correction.



Technical Specifications

Little or no training is necessary to operate the system. Once the power is on, simply press the Deploy button on the ACU (Antenna Control Unit) and the dish will deploy, lock on the satellite and create a high speed wireless, WiFi network in less than 4 minutes. It really is that simple.



Talia PSIS Specifications

Main Case Specifications

External Dimensions155.6 x 55.24 x 40.64 cm
 Weight 0.98m dish (loaded).....67.59 kg
 Under shipping weight limits
 Weight 1.2m dish (loaded)72.57 kg

Dish and Bag Specifications

Reflector Types0.98 or 1.2 sq m effective area
 External Dimensions (0.98m)99.06 x 10.16 cm depth
 External Dimensions (1.2m)122 x 12.7 cm depth
 Weight (0.98m)11.79 kg
 Weight (1.2m)15.88 kg

Rackmount Case (6U) – Same for both 0.98m & 1.2m Systems

External Dimensions55.24 x 62.86 x 35.56 cm
 Weight.....14.97 kg
 ComponentsDish Controller, iDirect Router,
 Power Conditioner
 Cable Run7.6 m watertight.
 15.24 m & 30.48 m runs available



TS2 ACU (Antenna Control Unit)

One button operation with Dual Matrix Service for the ultimate in redundant satellite communications.

Bracketing and Dolly Bag

External Dimensions158 x 20 x 20 cm
 Weight.....13 kg
 Other ComponentsHardware and tools

Dish Rotation

Azimuth410°
 Elevation165°
 Polarization.....+ -80°

RF Interface

Transmit Power6 watts BUC
 Receive FrequencyRange 950-1450 mhz

Environment – Maximum Temperatures at 100% humidity

Operational Temperature-28° C to 60° C
 Survival Temperature-51° C to 71° C



Power Requirements

Dish Controller & Dish Motors
 (Via 120 VAC)15 watts (switch off after pointing)
 iDirect Modem
 (via AC120V to DC 24V @ 5 Amp)....75 watts

Satellite Network - iDirect (Flyaway may be used with any Ku-Band provider & satellite router)

Satellite Router (optional)iDirect Evolution X5 Series Router
 Max Download5000 Kbps with 6 Watt BUC
 Max Upload2000 Kbps with 6 Watt BUC
 Public (Static) IP Address.....Included
 DHCP.....Yes. Wireless or 4 port Ethernet
 NAT.....Supported by included router
 Wireless Security.....WPA (TKIP) WPA2 (AES) + WEP 64 and 128bit
 Firewall.....Supported by included router
 Port Mapping & Port Triggers.....Supported by included router
 QoS, ToS, MAC Address Clone,
 RIP v1 RIP v2.....Supported by included router
 Networkable clients machines.....Unlimited
 WirelessCisco Linksys wireless router “G”

communicate without boundaries

Talia Limited
 19 Nassau Street
 London W1W 7AF
 United Kingdom
 T: +44 (0)20 3318 1500
 F: +44 (0)20 7631 3343
 E: sales@talia.net
 www.talia.net

International offices
 Head office: United Kingdom
 Regional offices: Germany, Iraq, Italy,
 Nigeria, South Sudan, Uganda, UAE, USA

