The Toughsat TS2 ACU - For the Toughsat XP and SP Mobile Systems

- One button operation - Little or no training necessary.
- Dish deployment & acquisition time under 3.5 minutes.
- Dual Matrix - Dual Satellite infrastructure for redundancy.
- DVB-S and DVB-S2 signal acquisition for any Ku-Band.
- Ideal for applications that require high-speed connectivity.
- Integrated full function wireless 4-port router.
- Silent Operation - ACU has no noisy fan.
- Web Interface. Full control over operation and parameters.
- Powerful internal diagnostics for accurate troubleshooting.
- Free Lifetime one-button firmware upgrading with active account.

FRONT PANEL FEATURES
- One-button Deploy, Stow Dish, All Stop
- Dual Matrix Sat 1 and Sat 2 buttons
- Power Switch - Now only on front panel
- Backlit display shows real time dish state
- LED’s show active WLAN & connected LAN devices

INTERNAL
- DVB-S and DVB-S2 signal acquisition
- Dual Matrix - Redundant dual satellite infrastructure service
- Platform independent - Can acquire any Ku-Band satellite
- Reference and target routines for hard to find satellites
- Integrated SD memory card for manuals and video tutorials

WEB-ACCESSIBLE INTERFACE
- All functions available from any connected browser
- Intuitive screen for parameter adjustments and overrides
- Full dish status, signal strength, connectivity state, etc
- Manual dish controls of all axis, elevation, azimuth, skew
- Controls to locate any visible satellite using longitude
- GPS display, GPS override controls
- Locate any visible Ku-Band satellite
- No software to install - Fully controlled from any browser

INTEGRATED 4 PORT WI-FI ROUTER
- Cisco Linksys 4-port wireless router
- Automatically creates Wi-Fi access point on deploy
- Full browser control over all router functions.
- Wireless Security - TKIP (WPA) and AES (WPA2) 128 bit
- SPI Firewall, VPN passthrough, MAC address filtering
- NAT, DMZ, Port Forwarding, Port Triggers
- DHCP server, DHCP client, QoS, Tos/DiffServ, UPnP
- MAC Address clone, RIP v1, RIP v2
- Optional half-mile wireless upgrade ($299)

AUTOSTOW FEATURES
- GPS Autostow. Move more than 5 feet starts autostow
- Signal Loss Autostow. Dish off-signal for 10 seconds
- Optional Powered Autostow UPS if power removed

DIAGNOSTICS & UPDATING
- FREE lifetime firmware one-button updating with account
- Powerful diagnostics tools including historic log files
- Remote access by Ground Control support for tuning

SATELLITE ROUTER COMPATIBILITY
- iDirect Evolution X5 Series
- iDirect iNFINITI 3000, 5000, 7000 Series
- Tachyon CI-1300
- Tachyon Ruggedized RMG
- Compatible with most satellite routers

BACK PANEL CONNECTORS
- 6-pin circular mount controller with GPS
- Rx In using standard type F connector
- Rx Out passthrough type F connector
- RJ-45 (Ethernet) Mount Ethernet
- RJ-45 (Ethernet) Router Internet In
- RJ-45 (4 - Ethernet) 4 port LAN
- 2 - RJ-11 ports for UPS and Modem comm links
- DV9 Serial Port - diagnostics
- SD Memory cardslot - For diagnostics portability

ENVIRONMENTAL
- Operation -4° to 122° F (-20° to 50° C)
- Storage -40° to 140° F (-40° to 60° C)

ELECTRICAL
- (Controller supplies power to dish)
- Power Input 100 to 240 VAC
- Extremely low power draw at 15 watts average
- 15 watts includes Azimuth, Elevation, Pol movements
- 40 watts momentary peak power

CONTROLLER DIMENSIONS
- 1RU Rackmount - Small form factor 12” depth
- Optional non-rackmount version
- 19”w x 12”d x 1.75”h. Weight - 8 lbs (3.63 kg)
- Operates silent (as do iDirect modems)

WARRANTY
- Standard 1 year parts & on-site labor
- Extended warranties available

CERTIFICATION
- Complies with FCC Part 15 Class B
- CE (European) Approval

24 x 7 U.S. BASED SUPPORT
- Ground Control is there when you need help of any kind