The S6000 is designed as the replacement for Troll’s BAS era S750 and S350 remote controllers. The S6000 is a completely modern remote controller that can interface with legacy remote site infrastructure and provides a direct Ethernet or serial interface to Troll’s latest diversity and tracking antenna products.

The S6000 provides an intuitive touchscreen Graphic User Interface (GUI) designed to provide more information, improved automation, diagnostics and test.

The S6000 is an IP-based controller that features a local touchscreen monitor and outputs for HDMI or composite video. An eight-port Ethernet switch is included to connect external receivers, transmitters, switchers and many other digital devices commonly found at remote antenna sites.

To add customer specific functionality Troll provides ConTroll-PACs. A ConTroll-PAC is a hardware and/or software package designed to remotely control additional digital devices at individual antenna sites. In the past, ConTroll-Pacs have been used to control third-party transmitters, encoders, decoders, encryptors, decryptors, spectrum viewers, switchers and routers commonly found at remote antenna sites. This enables customers with legacy equipment to integrate these and other digital devices using Troll’s proven communication architecture that includes built-in monitoring, diagnostics and test.

The S6000 provides advanced communications options: Ethernet, serial, dial-up as well as legacy 2 wire and 4 wire circuits if necessary.

Like all Troll equipment, the S6000 was designed to be rugged and reliable for years of service in adverse environments. Careful attention to design and manufacture assure performance and reliability, especially in highly saturated RF environments that are common to remote ENG and XNG facilities.
# S6000 Specifications

Specifications subject to change without notice.

**S6000 Controller Series Specifications**

- **Operating System:** Linux
- **Storage:** 500GB DVR
- **Routing:** Embedded eight-port Ethernet switch
- **Interfaces:** USB, HDMI, composite, Ethernet, serial
- **Video Transport:** ASI, Ethernet
- **Front Panel Display:** 5” LCD touchscreen with 800x480 resolution
- **Control Modes:** Front panel local control or remote control via serial, Ethernet or dial-up
- **Remote via Troll’s Master Control Systems:** TouchStar or Cyclops

**Serial Ports:** Two (2) Multimode RS-232/422/485 and Two (2) RS-232 Expandable via
- **USB Ports:** ConTroll-PACs
- **Modem:** Five (5) Internal Dial-Up
- **Ethernet:** One (1) 10/100 Integrated NIC
- **Managed Ethernet Switch:** Eight (8) ports
- **Input Power:** Remote via Master Control System
- **Operating Temperature:** 110-240VAC, 50/60 Hz, max 300W

**Communications Options**

- **Serial:** 4-Wire
- **Internal Dial Modem:** 2-Wire
- **Ethernet:** Fiber

**ConTroll-PAC for third-party equipment**

- **Antennas:** Rx/Tx
- **MRC / Vislink:** GMS, MRC / Vislink
- **NSI:** MRC / Vislink
- **Nucomm / IMT:** Nucomm / IMT
- **Radio Waves:**
  - Switchers: Adrienne, Grass Valley
  - Digital Decoders: Probel, Sierra
  - ConTroll-PACs: Videotek
  - T1: Cable Modem
  - DSL: 2-Wire

**Environmental**

- **Operating Temperature:** -20 – +50 C indoor rack mount
- **Life Expectancy:** Fifteen years
- **Mechanical Dimensions:** 14.0”L x 19.0”W x 3.4”H
- **Weight:** 6 lb
- **Vertical Rack Space:** 2U

**Optional Control of Legacy Antennas**

- **X750 Expansion Chassis:** Control traditional antenna systems
- **X350 Expansion Chassis:** Control traditional non-steerable systems
- **GPS Tracking:** NAVTrack/LogicTrack
- **Control specials:** Refer to Factory
- **Additional I/O:** Refer to Factory
- **Spectrum Viewer Options:** Internal or Serial Devices