

Mechanical

Reflector Type	1.2 meter Glass Fiber
Mount Geometry	Elevation over Azimuth
Polarization	Vertical or Horizontal: 270° on both polarities
Deployment Sensors	GPS, Inclinator, counters
Azimuth	380°
Elevation	1.44° sweep from stow to full deploy
Elevation Max Look Back	76.5° from 90° (Includes dish offset of 22.5°)
Polarization (Skew)	Both polarities can be skewed by 270°
Deploy Elevation	Variable ~2°/sec
Deploy Azimuth	Variable ~5°/sec
Deploy Cross Pole	Variable ~45°/sec

Environmental

Deployed Wind Resistance	Has been tested at 68mph (100kph)
Stowed Wind Resistance	Wind tunnel tested to 145 mph (233 kph)
Operational Temperature	-40°C to 65°C / -40°F to 150°F

Physical

Length Stowed	76.5" (1.9m)
Width Stowed	48" (1.2m) w/reflector 19.5" (0.5m) w/o reflector
Height Stowed	12.7" (0.3m)
Weight	125 lbs (56.7 kg) w/o reflector and RF equip.
Boom Capacity (BUC Weight)	15 lbs (6.8 kg) *custom solutions can be made for heavier BUCs

- User interface accessible from any wifi enabled device
- No software to install
- Advanced self leveling feature aids in satellite acquisition
- Advanced peaking
- Faster deploy times
- Unaffected by magnetic compass distortion
- Standard controller is available as a desktop version or 1U rack mount
- DVB enabled
- Modem agnostic
- Custom configurations are available





1.2m Autopoint Technical Specifications

Electrical

Transmit & Receive Cables	2 RG6 cables 50ft (15.2m) Standard
Control Cable	Interface cable 50 ft (15.2m) Standard * Longer cables available
Transmit Power (BUC)	1 to 200 Watt
Frequency	Ku Band
TX	13.75-14.5GHz
RX	10.70- 12.75GHz
Polarixation	Linear, Orthogonal
Feed Interface	WR75
3dB Beam Width TX	1.2°@14.25GHz
RX	1.38°@12.2GHz
TX Gain	43.3dBi
RX Gain	41.8dBi
Noise Temperature	10°EL=45K 39; 30°EL=24K
Side Lobe Envelope	1.5° < Θ < 20° - 25log Θ dBi 20° < Θ < 26.3° -3.5dBi 26.3° < Θ < 48° 32 - 25log Θ dBi 48° < Θ < 180° -10 dBi
Cross Polarization	35dB (On Axis) 30dB (in 1dB Contour)
Isolation RX	> 40dB
(Port to Port) TX	> 85dB
VSWR	1.3:1

Warranty

1 year warranty, extended warranty available



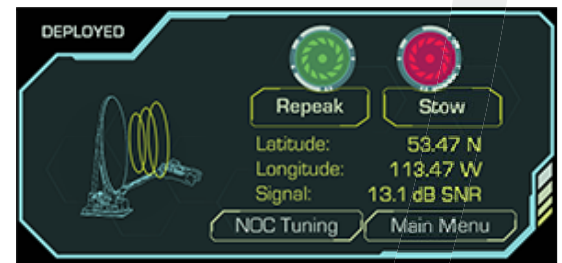
Controller Overall



Controller Rear View

Controller

Standard Controller	Visual displays of azimuth, elevation, crosspole and signal strength. Controller has momentary buttons for all axis control movements
Dimensions	11"L x 5.5"W x 1.75"H (280mm x 140mm x 44mm) * 1U rack mount option available
Interface	Serial or Ethernet
Electrical	100-240 V AC / 40 VDC *typical draw is 14 Watts when idle, 200 Watts when searching.



Controller Interface



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