

## Mechanical

Reflector Type	1.2 Meter Glass Fiber
Mount Geometry	Elevation over Azimuth
Polarization	Vertical or Horizontal: 270° on both polarities
Deployment Sensors	GPS, Inclinometer, 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°)
Deploy Elevation	Variable ~2°/sec
Deploy Azimuth	Variable ~5°/sec
Deploy Cross Pole	Variable ~45°/sec

## Environmental

Deployed Wind Resistance	Has been tested at 68 mph (100 kph)
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	79.0" (2.0m) w/reflector
Width Stowed	48" (1.2m) w/reflector
	19.5" (0.5m) w/o reflector
Height Stowed	16.3" (0.4m)
Weight	129 lbs (58.5 kg) w/o reflector and RF equip.
	180 lbs (81.6 kg) complete
Boom Capacity (BUC Weight)	45 lbs (20.4 kg)

- 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
- Universal BUC mounting plate on boom arm for multiple BUC shapes and configurations
- Heavy payload boom structure
- Modem agnostic
- Custom configurations are available





# Universal 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
Polarization	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° < $\theta$ < 20° 29 - 25log $\theta$ dBi 20° < $\theta$ < 26.3° -3.5dBi 26.3° < $\theta$ < 48° 32 - 25log $\theta$ dBi 48° < $\theta$ < 180° -10 dBi
Cross Polarization	35dB (On Axis) 30dB (in 1dB Contour)
Isolation RX (Port to Port) TX	> 40dB > 85dB
VSWR	1.3:1

## Warranty

1 year warranty, extended warranty available



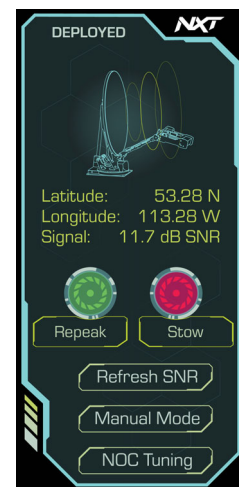
Controller Overall



Controller Rear View

## Controller

Standard Controller	-User intuitive -Push button interface, or graphical interface via PC or smart device -Embedded training videos -Optional DVB capability
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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