

# JUPITER System Auto Cross-Pol Commissioning Tool



## Automated, cost effective, and high-quality VSAT commissioning solution

Hughes has partnered with Integrasys to incorporate their innovative Satmotion product into the Hughes solution for VSAT commissioning over the JUPITER platform. This allows Hughes VSAT system installers to rapidly point the antenna and perform auto cross polarization verification without Network Operations Center (NOC) coordination. Additionally for installation of linear terminals, such as the HT1300, the system can also be used to conduct 1dB compression tests.

Integrated operationally with the JUPITER System, the Satmotion Pocket system enables rapid and high-quality remote commissioning via a software-based tool that displays a real-time view of the satellite spectrum; assisting installers when adjusting pointing to minimize cross polarization isolation. The software tool is designed to allow multiple installers to perform simultaneous antenna alignments and remote commissioning without the need for support from NOC personnel.

Automation, ease of use, and performance excellence are the key features that yield significant cost and time savings for installers, network operators, and satellite operators.

### Key benefits

- Software-based tool with easy to use GUI available on laptops, tablets, and smartphones
- Maximize VSAT performance with easy, simple, and quick pointing and line-up with earth maps
- Minimize interferences between polarizations
- Minimize interference with adjacent satellites
- Remove the need to coordinate with the NOC staff for auto cross polarization verification
- Enable cost effective 1dB compression tests for linear radios
- All communications over satellite. No cellphone connection required
- Initial pointing assistance with Earth maps



### Product Specifications

- Frequency: C-band, Ku-band, and Ka-band
- Terminals: HT1200, HT1300, and HT1400
- Network support for multiple simultaneous installs/line-ups (up to 5)
- Software client tool available on Google's Android and Apple's iOS portable devices
- Tx Power Automatic Adjustment
- XPOL (CrossPol) Minimization with 30dB isolation
- Adjacent Satellite Interference Minimization (ASI)
- Automatic 1dB BUC Compression Point
- Automatic VSAT Installation Report

For more information about the JUPITER System, please visit [www.hughes.com](http://www.hughes.com) or email [globalsales@hughes.com](mailto:globalsales@hughes.com).

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