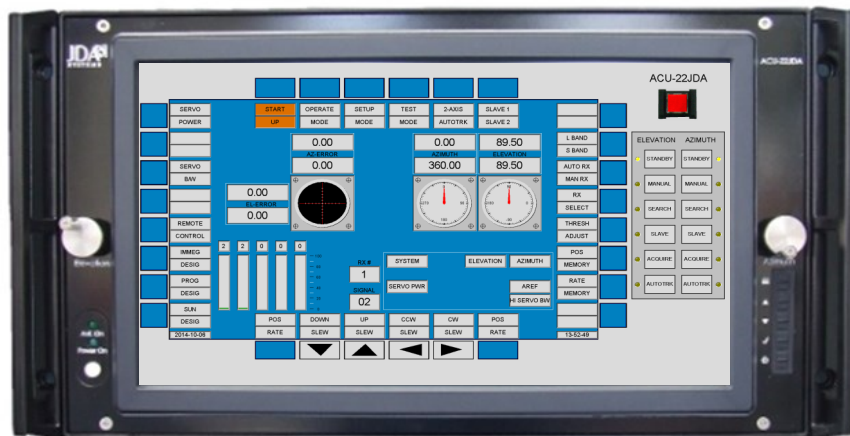




## ACU-22JDA Antenna Control Unit

The ACU-22JDA antenna control unit is designed to control and monitor any JDA Systems antenna. The system is 19 inch rack mounted and requires only external 96 to 260 VAC power and the antenna connection cable to be fully operational.



The ACU-22JDA is fitted with an integrated 15 inch touch screen display flanked by hand positioning controls for the antenna mode and position. The default legacy display is an antenna control display that is familiar to many telemetry engineers in terms of look and functionality, this may be switched at any time to the full VuSoft environment as required.



The ACU-22JDA may be remotely monitored and controlled as required via both external Ethernet and external RS232 links.

The entire system has been specifically designed to run attended or unattended on unreliable external power thus offering highly reliable operation in challenging environments.

For more details contact your local agent or contact JDA Systems directly:  
JDA Systems, Gutenbergstrasse 4, 26632 Ihlow Riepe, Germany  
Tel: +49-4928-91560 Fax: +49-4928-915620  
Web: [www.jda-tele.com](http://www.jda-tele.com) E-mail: [sale@jda-tele.com](mailto:sale@jda-tele.com)



The ACU-22JDA antenna control unit may be fitted with optional modules to extend its functionality to that of a complete ground station as it contains up to eight all band data receivers, eight bit syncs and eight soft decom data recovery paths.

The data thus recovered may be displayed, distributed and recorded as IRIG 106 Chapter 10 multiplexed data files using the JDA Systems VuSoft software suite.

The recovered parameter data may be sent in real time or playback over the Ethernet interface for support of external systems.

An SDK with source code compatible with Microsoft Video Studio is available to allow the user to develop their own code for the system.

Feature	Description
Temperature	-20° C to 60° C
Storage Temp	Better than -20 to 80 deg C
Relative Humidity	0 to 100% non condensing
Storage Type	512GB Solid State Disk
Weight Approximate	14 Kg
Power Requirement	240 W
Voltage/Frequency	96 to 260 VAC, 50 or 60 Hz
Size	482.6 x 311.2 x 282.0 mm (WxHxD)

### Features

- Controls any JDA Systems antenna
- 15 inch TFT touch screen display with external display output
- Front panel user positional controls
- USB for external keyboard and mouse
- Extensive built-in-test, diagnostic and status reporting software
- 512 gigabytes of solid state internal storage and 3TB USB 3.0 external storage
- Up to 1.5 gigabit per second sustained data transfer rate

### Optional Equipment

- Two to Eight channel all band receiver
- Two to Eight channel High performance Bit Synchronizer
- Two to Eight channel soft decoms
- 16 to 32 Channel DAC
- IRIG A, B and G Decoder with time seed and free-wheel feature
- Advanced decoder, archival, display and analysis software
- Full IRIG 106 Chapter 10 support
- Integrated BNC Break Out panel
- Two to Eight Bit Sync Data Outputs suitable for external devices
- Two to Eight Data and clock Decom Inputs for Dual Stream Internal Operation

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