



PAC-550

PALS puts hundreds of hours of research and development and all experience to develop latest of PAC series Antenna Controller to meet demanding satellite communication standards. PAC-550 got tested in harshest environments to prove it's quality. PALS is proud to present you, possibly one and the best series of antenna controllers in the market.

PAC-550 is easy to use for an operator with minimal training and no knowledge about satellites. PAC-550 finds defined satellites under 3 minutes. It's equipped with state-of-art algorithms to minimize operator intervention and automatically perform expected tasks. it also has features such as memory tracking, beacon receiver (optional) with adjustable features, manual control features for advanced users. It's fully graphical front panel display eliminates the need for a computer. While it's fully responsive web interface promises the exact same experience. it features 3 levels, programmable user accounts for both security, and prevent accidental interventions. it also supports SNMP to integrate into your management systems.

COMPATIBILITY

- MIL-STD-810
- MIL-STD-1472
- MIL-STD-188/124A
- Eutelsat Characterized Autopointing

Key Features

- Automatic Pointing System and "One Button" Operation
- Full Graphical Front Panel Display with Backlight
- Indications: Azimuth, Elevation and Polarization Alphanumeric Keypad for Ease of Use
- Stow Prevention Key for Maintenance
- Integrated DVB-S/S2 Receiver
- Integrated 10 MHz Generator with Auto External Switching
- Integrated Beacon Receiver (Optional)*
- Integrated AGC Receiver for Modem Integration
- Integrated De-ice Controller with Sensors (Optional)
- Emergency Stop Button
- ACU Operation via Car Battery
- Fully Automated Satellite Signal Acquisition under 3 min.
- User Configurable Target Pointing
- Satellite Memory & Step Tracking
- Fully Responsive Web Interface (SNMP Support)
- Event and Alarm Logging
- 3 Level User Access
- Configurable Visual and Audio Alarms
- Build in Self Test
- Very Low Start-Up Time
- Supports OpenAMIP
- Control & Monitoring via remote management appliances

* :Beacon receiver can ben integrated and used simluteniously with DVB S/S2 receiver in same unit.



GENERAL SPECIFICATIONS

Processor	120 MHz ARM Multiprocessors
Topology	Indoor and Outdoor Units
RF Receiver	DVB S/S2, Beacon (optional), AGC
Peripherals	GPS and GLONASS Receiver, Inclinator, True Compass, 3 Axes Motor Drive, 16-bit Absolute Resolver Drive
10 MHz Generator	Internal generator for LNB input. Internal Generator Output Port. External Signal Input Port (Automatically Switches to External). User configurable.

MONITOR AND CONTROL SPECIFICATIONS

HMI	Fully Graphical Front Panel Screen with Alphanumeric Keypad
Remote	RJ-45 port for full responsive web interface (no software needed) and SNMP v2c support
Monitor Ports	Input Signal Monitoring Port

PHYSICAL FEATURES

Dimensions	424 (19") x 551 x 88 (2RU) mm
Weight	10 kg

ELECTRICAL SPECIFICATIONS

Power Rating	90-264 VAC, 47-63 Hz
Power Consumption	325 W max (except de-ice)
LNB Power	13/15/18 VDC and 22 KHz User Configurable Supply
Misc.	Internal Power Factor Corrector and Line Filter

ENVIRONMENTAL SPECIFICATIONS

Test Name	Specification	Limitations
Tempertaure	Compliant with MIL-STD-810G Method 501.5 and Method 502.5	Operational: -10 °C - +55 °C Survival: -20 °C - +60 °C
Humidity	Compliant with MIL-STD-810G Method 507.5	%95 Cycling Temp
Low Pressure	Compliant with MIL-STD-810G Method 500.5	Operational: 3000 meter Survival: 4500 meter
Thermal Shock	Compliant with MIL-STD-810G Method 503.5	-20 to +60 cyclic shock
Vibration	Compliant with MIL-STD-810G Method 514.6	Cat. 4 and Cat. 10 on all axes
Mechanical Shock	Compliant with MIL-STD-810G Method 516.5	20 G, 11 ms on all axes

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