



J1



Features and Comparison



The DataStorm J1 Satellite Antenna Controller

is one of the most advanced Satellite Antenna Controllers available. Simple User operation combined with many advanced configurable features will allow the flexibility needed for almost any application anywhere.

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Features

Stand Alone Satellite Antenna Controller

- **HTML Graphical User Interface**
 - Can operate from anywhere on the network
 - No Special Software Required on PC to operate
 - Complete Operation Page
 - Simple Configuration Pages
 - Remote Diagnostics *
 - Remote Setup *
- **Front Panel Search, Stow, and Power Commands**
 - Single Button Search Command
 - Simple Stow Dish Command
 - Memorized Power Condition
 - LED Status Indicators
- **SD Card for Upgrades and Configuration**
 - Auto Firmware Upgrade
 - Auto Sat Table Import
 - Auto Configure Import
 - Quick IP Configuration for initial setup
 - Stores Manuals and other Support Documents
- **DVB-S2 Satellite Identification (NID)**
 - DVB-S Signal Detection
 - Symbol Rate
 - FEC
 - DVB-S2 Signal Detection
 - Symbol Rate
 - FEC
 - Network ID verification
 - DVB-S1
- **Enhanced Features**
 - Direct from Web Satellite Table Import
 - Direct From Web Firmware Upgrade
 - Drop Down Satellite Select Window
 - Complete HTML System Configuration
 - Multiple LNB Configuration
 - Telnet Access
 - Diagnostics

- Remote Configuration
 - Remote Operation
 - Third Party API Interface
- Simplified Rear Panel Connections
 - 3 Pin DC Power Port
 - 9 Pin Antenna Control Port
 - Motor Control Outputs
 - Mount Position Sensor Input
 - External Sensors
 - GPS
 - Accelerometers
 - Tilt Sensors
 - Skew
 - Elevation
 - Temperature
 - Blue LED
 - NEMA GPS Output Port
 - RS232 Serial
 - Ethernet 10/100 Base T Port
 - Telnet/TCPIP/SNMP
 - LNB L-Band Loop Thru Connector
 - LNB L-Band Signal Input Connector
 - DiSEqC 2.0
 - 22 KHz
 - 13/18 V Switchable

Comparison

Antenna Controllers

Feature	J1	D4	D3	D2	D1	Competition
Front Panel Control	Y	Y	Y	Y	Y	Y
HTML Graphic Interface	Y	Y	Y	Y	N	N
Status Indicators	Y	Y	Y	Y	Y	Y
Auto XPol	Y	Y	Y	Y	Y	N
Auto Range	Y	Y	Y	Y	Y	N
DVB-S Identification	Y	Y	Y	N	N	Y
DVB-S2 Identification	Y	N	N	N	N	N
Config File Import	Y	Y	N	N	N	N
Sat Table Import	Y	Y	N	N	N	N
File Export	Y	Y	N	N	N	N
Multiple Boot IP Select	Y	Y	N	N	N	N
SD Card Slot	Y	N	N	N	N	N
Web Sat Table Update	Y	N	N	N	N	N
Web Firmware Update	Y	N	N	N	N	N
HTML Mount Config	Y	N	N	N	N	N
Multi LNB Control	Y	N	N	N	N	N
HPA/BUC Control	Y	N	N	N	N	N
HTML/TCPIP Security	Y	N	N	N	N	N
Inclined Orbit Capable	Y	N	N	N	N	N
Multi Satellite Select	Y	N	N	N	N	N
API Controls	Y	N	N	N	N	N

Specifications

Mechanical

Weight	2.0 Lbs (.9 Kg)
Dimensions	1.85 H X 11.0 W X 7.5 D Inches 47 H X 279 W X 190 D (millimeters)

Connectors

Power - 3 Pos, 5.08mm, Male Header Horizontal PCB (Green Euro Style)

Mates with;
On Shore Technology EDZ950/3
Terminal Block Plug Female 3 Pos 5.08mm

Control - 9 Pos, 5.08mm, Male Header Horizontal PCB (Green Euro Style)

Mates with;
On Shore Technology EDZ950/9
Terminal Block Plug Female 9 Pos 5.08mm

Serial - 3 Pos, 3.81mm, Male Header Horizontal PCB (Green Euro Style)

GPS Mates with;
On Shore Technology EDZ1550/3
Terminal Block Plug Female 3 Pos 3.81mm

LAN – RJ45 Ethernet Connection

Mates with;
Standard RJ45 Male Connector to Router
Crossover LAN when connected directly to PC

LNB In – F Connector, Female

Mates with;
F Connector, Male, Coax (to dish mount)

LNB Out – F Connector, Female

Mates with;
F Connector, Male, Coax (to modem)

SD Card – SD/MMC Card Slot (Front Panel)

Mates with;
Standard SD/MMC Memory Card (up to 4 GB)

Electrical

Power

Input	12VDC to 15VDC 4.8 to 8.6 Amps	(3 Pin Euro)
Motor	5 VDC to 15 VDC Az, El, Sk up to 8 Amps	(9 Pin Euro)
Dish Mount	12VDC to 15VDC 1 Amp Max.	(9 Pin Euro)
LNB	13VDC/18VDC 750 mA	

Power Consumption

Off	0 Amps	0 Watts	
Standby	.7 Amps	10 Watts	(On Satellite)
Dish Search	3 Amps	45 Watts	(Dish Moving)
Max Power	8.6 Amps	130 Watts	(Dish Stall) (Power Supply Rated)

Communications

CAN Bus	half duplex	(Dish Mount) (9 Pin Euro)
Serial Port	RS232 Output Only 4800 Baud 8N1, no flow Limited Diagnostic Port	(NEMA 0183) (3 Pin Euro)
LAN Port	10BaseT/100BaseT Auto negotiate (RJ45)	
DiSEqC	LNB Switching	(LNB RF In) (F Conn)
Halt/Count	Bi-directional	(Dish Mount) (9Pin Euro)
SD/MMC	SD/MMC Card Memory	(Front Panel)

RF Ports

LNB Input	950MHz to 2150MHz (L Band Input) 13VDC/18VDC/DiSEqC/22KHz (LNB Control)
LNB Output	950MHz to 2150MHz (L Band Pass Thru) (LNB DC Power Pass Thru)

Temperature

Operational	32F to 132F (0 C to 55 C)
Storage	-30F to 158F (-35 C to 70 C)