MADRIX STELLA 8

The 8-port flagship controller with RDM support for ultimate control over DMX.

Made in Germany

5 Years of Warranty

High-Quality Ethernet Node – eDMX
MADRIX STELLA 8 provides extremely useful features and high performance for complete lighting control.

8 DMX-OUT – Art-Net To DMX / sACN To DMX
Assign control data to the 8 physical ports for DMX output over 3-pin screw terminals. The device supports:
• Art-Net (Unicast, Broadcast, Or Both) (Incl. ArtSync)
• Streaming ACN (sACN) (Unicast Or Multicast)

8 DMX-IN – DMX To Art-Net / DMX To sACN
Receive control data as DMX-IN and send it back out as eDMX (Art-Net, sACN, or both). Each of the 8 ports can automatically or manually be set to receive input.

Customizable Booster / Merger / Splitter
Easily refresh, combine, or duplicate incoming signals.

Ultimate Real-Time Merging
Combine data streams, directly processed with 0 delay, to create a single output signal via a highly adaptable system with automatic or manual HTP/LTP merging from up to 8 sources.

1 GBit/s Network & PoE – Power Over Ethernet
Simply deliver power to the device over Ethernet.
On top, the device supports fast 1 GBit/s speeds.

Professional Tools
Take advantage of the following innovations, and more:

• **Modern Web GUI** (Multi-Lingual & Mobile-Friendly Device Configuration)
• **Password Protection** (Web Panel Access Control)
• **Network Settings** (Incl. IP Address, ARP, IGMP, NetBIOS, etc.)
• **Control Adjustments** (Color-Channel Order, Intensity Limits, etc.)
• **Channel-Block Shifting** (Channel Mapping Per Source Or Per Port)
• **Patterns** (Use Built-In Scenes For Quick Tests Or As Backup)
• **Snapshots** (Create 1-Frame Recordings On Device As Source Or Backup)
• **Source Priority System** (For Art-Net, sACN, Patterns, Snapshots)
• **Backup Strategies** (Lost Connection / Rank Sources Based On Priority)
• **Port Watcher** (Live Monitoring Of Data Rates For DMX/RDM/Network)
• **DMX Watcher** (Live Monitoring Per Channel Of Input Data Or Output Data)
• **Device Watcher** (List Of Connected Art-Net Devices In The Same Network)
• **Presets** (Common Configurations To Quickly Get Started)
• **Advanced Mode** (Up To 32x Input Sources & 32x Output Destinations)
• **Protocol Converter** ('Art-Net to sACN' Or 'sACN to Art-Net')
• **RDM** (Support As Controller & As Responder Incl. Own Sensor Data And Status)
• **Packet Multitasking** (Send DMX & RDM At The Same Time)
• **MADRIX RADAR Validation** (Unlocks RDM Devices In The Software)
• **syslog** (Support For Logging On A Remote Server)
• **Network Over USB** (For Setup & Data, Incl. Fixed IP Address As Backup)
• **Surge Protection** (Galvanic Isolation & High-Speed Current Limiters)
• **Firmware Updates & Advanced Bootloader** (Future Proofing)

Package Contents

▪ 1x MADRIX STELLA 8
▪ 1x Set of pluggable screw terminals (8x 3-pin and 2x 2-pin)
▪ 2x Wall-mount brackets
▪ 1x Technical manual / quick start guide

Technical Specifications

Supply Of Power	A) DC 5 V – 24 V over 2-pin, pluggable screw terminal incl. power daisy-chain (1x IN, 1x THRU), B) 5 V USB (2x USB-C), C) PoE (PoE 802.3af-2003) (1x Ethernet Right); Power backups are possible
Power Consumption	≤ 5 W (1,000 mA) during normal operation (1.6 A max. fused)
BTU/h	~17 during normal operation
Network Protocols	Art-Net (I, II, 3, 4, incl. ArtSync), Streaming ACN (sACN / ANSI E1.31)
Other Protocols	RDM (DMX512 Remote Device Management & Art-Net ArtRdm), syslog
RDM Role	A) Transmits commands and requests to RDM Responders and back (Art-Net Node / RDM Controller), B) Acts on commands and replies to requests with its own status and sensor data via ArtRdm (RDM Responder)
RDM Responder Count	170 RDM Responders max. can be discovered per port
DMX512	8x 512 DMX channels, input or output selectable per port
Ports	8x ports (Via 8x 3-pin, pluggable screw terminals)
Ethernet	2x RJ45, Auto MDI-X, daisy-chain support, 1000/100/10 MBit/s (= 1 GBit/s max.), Network over USB (Virtual Link)
Ethernet Switch	Lookup Table (ALU) for 4,096 unicast MAC addresses
USB	2x ports, USB 1.1, USB 2.0, type-C female socket
Handling	12 status LEDs (+ 4 network status LEDs)
Case	Non-conductive, V-0 flammability rating (UL94 test method), designed for 35 mm DIN-rails or wall mounting
Dimensions	86 mm x 156.3 mm x 31.79 mm (3.39″ × 6.15″ × 1.25″) (Length × Width × Height)
Weight	206 g (0.45 lb) | 260 g (0.57 lb) incl. screw terminals and wall mounts
Temperature Range	-10 °C to 70 °C (14 °F to 158 °F) (Operating) | -20 °C to 85 °C (-4 °F to 185 °F) (Storage)
Relative Humidity	5 % to 80 %, non-condensing (Operating / Storage)
IP Rating	IP20
Certificates	CE, FCC, UL
Warranty	5 years of limited manufacturer's warranty
User-Interface Languages	Deutsch (German), English, Español (Spanish), Français (French), Bahasa Indonesia (Indonesian), Italiano (Italian), हिन्दी (Hindi), 日本語 (Japanese), 한국어 (Korean), Português brasileiro (Brazilian Portuguese), русский (Russian), Türkçe (Turkish), 简体中文 (Simplified Chinese)