MADRIX STELLA

The 2-port network node with RDM support for solid-state projects.

Made in Germany

5 Years of Warranty

Art-Net / Streaming ACN / USB
Art-Net or Streaming ACN data is directly converted to DMX512. Optimize and decentralize cabling to cover any distance to the device using Ethernet network. In addition, simply connect to MADRIX® 5 over USB.

Easy Configuration
MADRIX® STELLA offers powerful features. Managing the device is still quick and easy. Supply power over USB or 5 V to 24 V over a 2-pin screw terminal.

3rd-Party Controllers
MADRIX® STELLA complies with official protocol specifications and can be used as a regular node with your other consoles, controllers, or software solutions.

Designed For DIN Rails Or Walls
Its non-conductive enclosure and standardized design for 35 mm top-hat rails make mounting quick, easy, and safe. 2 extra brackets are provided for optional wall mounting. 9 indicators quickly show the device status with the option to turn them off.

Seamless Integration Of Art-Net & RDM
RDM is fully supported over Art-Net, including ArtRdm, all other required packets, and full and continued discovery of RDM devices. Use MADRIX STELLA and MADRIX RADAR together for additional benefits: 1) All RDM devices/sub-devices connected to STELLA are automatically unlocked in the RADAR Software for free, 2) With RADAR, the complete RDM specifications of ANSI E1.20 and ANSI E1.37-1 are available to you over Art-Net, 3) Thanks to STELLA's Packet Multitasking, RDM and Art-Net can be sent and received at the same time and during live operation.

2 DMX-IN/OUT
Directly connect DMX512 to the two 3-pin screw terminals to distribute 2 DMX universes per unit as input and/or output, eliminating the need for XLR connectors as a result. Simply use several units at the same time for larger projects.

Sync Mode
MADRIX® 5 and MADRIX® hardware allow you to fully synchronize Art-Net data for all output ports and across multiple devices to get an optimal image on the LEDs without visual interruptions.

RDM & Daisy-Chain Support
2 Ethernet ports allow for separate network connections as well as linearly daisy-chaining several devices together. On top, the device supports the Remote Device Management standard.

Invaluable Features
The device is ready within seconds after startup. HTP merging is automatically available for two Ethernet sources. Its firmware is upgradable. Access and change specific device settings using the built-in web configuration page.

Package Contents

- 1x MADRIX® STELLA
- 1x Set of pluggable screw terminals (2x 3-pin and 1x 2-pin)
- 1x USB 2.0 cable (certified)
- 2x Wall-mount brackets
- 1x Technical manual / quick start guide

Technical Specifications

Supply Of Power	DC 5 V – 24 V; over **A)** 2-pin, pluggable screw terminal or **B)** 5 V USB
Power Consumption	< 1.5 W (300 mA) during normal operation (500 mA max. fused)
BTU/h	6.55 during normal operation
Network Protocols	Art-Net (I, II, 3, 4, incl. ArtSync), Streaming ACN (sACN / ANSI E1.31)
RDM Role	Transmits commands and requests to RDM Responders and back (Art-Net Node / RDM Controller)
RDM Responder Count	170 RDM Responders max. can be discovered per port
DMX512	2x 512 DMX channels, input and/or output (Automatically set per port)
Ports	2x ports (Via 2x 3-pin, pluggable screw terminals)
Ethernet	2x RJ45, Auto MDI-X, daisy-chain support, 10/100 MBit/s (Compatible with 1 GBit/s)
Ethernet Switch	Lookup Table (ALU) for 1,024 unicast MAC addresses
USB	1x port, USB 2.0, type-B female socket
Handling	5 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	90 mm × 70 mm × 46 mm (3.54" × 2.76" × 1.81") (Length × Width × Height)
Weight	108 g (0.24 lb) | 125 g (0.28 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, EAC, FCC, RoHS
Warranty	5 years of limited manufacturer's warranty