

MADRIX ORION

Adds a whole new level of interaction and control to your project.



Powerful A/D Converter

Easily convert any analog input signal ranging from 0 V – 12 V into an 8-bit or 16-bit digital DMX output signal. Sample incoming signals instantly and map all inputs individually to up to 8 or 16 DMX channels per device.

8 Versatile Inputs

Directly connect to a wide range of compatible sensors, potentiometers, switches, and triggers. Easily create interactive projects using sensors for light, temperature, PIR, and many more.

Direct Connection

2 main 6-pin ports are available with 4 individual pins each as well as GND and V+. Flexibly supply 5 V – 24 V power over the 2-pin screw terminal.

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. 8 indicators quickly show the device status with the option to turn them off.



Art-Net / Streaming ACN / USB

Send the output signal as Art-Net or Streaming ACN (E1.31) over long or short distances to any compatible software or hardware controller. In addition, simply connect to MADRIX® 5 over USB.

Versatile Output

Different input types allow data to be processed and parameterized differently for the output. Each input can be separately set as Analog-IN, Digital-IN, Counter, and other useful functions.

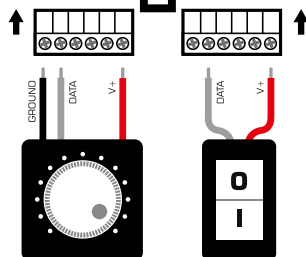
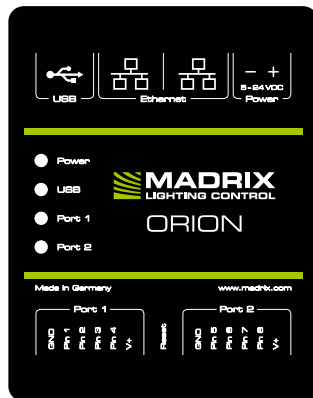
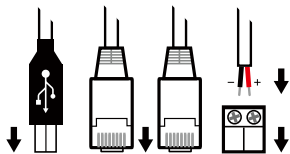
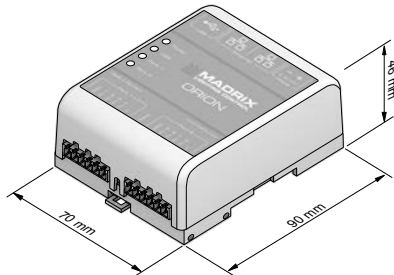
Daisy-Chain Support

2 Ethernet ports allow for separate network connections as well as linearly daisy-chaining several devices together for better cable management.

Invaluable Features

The device is ready within seconds after start-up. Its firmware is upgradable for future enhancements. Access and change specific device settings using the built-in web configuration page.

The MADRIX® ORION is specifically designed as a general-purpose input device for analog input and Ethernet-based output for remote control and interactivity.



Specifications

Supply Of Power	DC 5 V – 24 V; over A) 2-pin, pluggable screw terminal with 500 mA max. load per port when supplying through to the ports, B) 5 V USB, C) Port 1 or Port 2
Power Consumption	< 1.5 W (300 mA) during normal operation (500 mA max. fused)
USB Port	USB 2.0, type B plug
Input Signals	0 V – 12 V, analog
Ports	2x ports (via 2x 6-pin pluggable screw terminals)
Input Pins	2x 4 separate pins (8x in total)
Ethernet	2x RJ45, Auto MDI-X, 10/100 MBit/s (compatible with 1 GBit/s)
Dimensions (L x W x H)	90 mm x 70 mm x 46 mm
Weight	105 g 120 g incl. screw terminals and wall mounts
Operating Temp.	-10 °C to 70 °C
Storage Temp.	-20 °C to 85 °C
Relative Humidity	5 % to 80 %, non-condensing (Operating / Storage)
Case	Non-conductive, V-0 flammability rating (UL94 test method), designed for 35 mm DIN-rails or wall mounting
IP Rating	IP20
Certificates	CE, FCC, RoHS