MADRIX I/O products are supplementary input and output devices for the MADRIX Software.
External equipment, such as sensors, bring additional automation processes and interaction to any LED project using the MADRIX Software.

MADRIX I/O

Key Features

MADRIX USB contact closure

This digital input device registers if its circuit is either open or closed. In most cases, it is used to build a switch or trigger.

Incoming values are directly translated into DMX data in the MADRIX Software. The small unit can simply be connected to any USB 2.0 port.

Example of use: Strobe or Blackout

MADRIX USB temperature

This small and durable sensor measures the temperature.

Incoming temperature values are directly translated into DMX data in the MADRIX Software as well as degree Celsius or degree Fahrenheit.

The small unit can simply be connected to any USB 2.0 port.

Example of use: SCE Ticker / Scrolling Text

MADRIX USB light sensor

This sensor measures the ambient light level.

Incoming values are directly translated into DMX data in the MADRIX Software as well as percent.

The small unit can simply be connected to any USB 2.0 port.

Example of use: Master

MADRIX USB SMPTE

This input device allows you to effortlessly use SMPTE time code for time synchronization across multiple devices.

Data is received via the 3-pin, female XLR connector.

The device can simply be connected to any USB 2.0 port.

Example of use: Cue List

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MADRIX I/O

Technical Specifications

MADRIX I/O	**MADRIX USB contact closure**
Power Supply	DC 5 V, 500 mA, Power over USB
Power Consumption	~ 25 mA during normal operation
USB	USB 2.0, type A plug, Plug and Play, 2 m cable
Dimensions (L x W x H)	44 mm x 30 mm x 23 mm
Weight	57 g
Operating Temp.	-20 °C to 80 °C
Storage Temp.	-20 °C to 80 °C
Relative Humidity	5 % to 95 %, non-condensing
IP Rating	IP30
Certificates	CE, RoHS

MADRIX I/O	**MADRIX USB temperature**
Power Supply	DC 5 V, 500 mA, Power over USB
Power Consumption	< 50 mA during normal operation
USB	USB 2.0, type A plug, Plug and Play, 2 m cable
Dimensions (L x W x H)	40 mm x 25 mm x 15 mm
Weight	69 g
Operating Temp.	-20 °C to 80 °C
Storage Temp.	-20 °C to 80 °C
Relative Humidity	0 % to 100 %, non-condensing
IP Rating	IP57
Certificates	CE, RoHS

MADRIX I/O	**MADRIX USB light sensor**
Power Supply	DC 5 V, 500 mA, Power over USB
Power Consumption	< 50 mA during normal operation
USB	USB 2.0, type A plug, Plug and Play, 2 m cable
Dimensions (L x W x H)	44 mm x 30 mm x 23 mm
Weight	59 g
Operating Temp.	-20 °C to 80 °C
Storage Temp.	-20 °C to 80 °C
Relative Humidity	5 % to 95 %, non-condensing
IP Rating	IP57
Certificates	CE, RoHS

MADRIX I/O	**MADRIX USB SMPTE**
Power Supply	DC 5 V, 500 mA, Power over USB
Power Consumption	~ 50 mA during normal operation
USB	USB 2.0, type A plug, Plug and Play, 2 m cable
Plug	3-pin, XLR, female, NEUTRIK
Weight	110 g
Operating Temp.	10 °C to 50 °C
Storage Temp.	-10 °C to 70 °C
Relative Humidity	5 % to 80 %, non-condensing
IP Rating	IP20
Certificates	CE, RoHS

Package Contents

- MADRIX I/O
- Quick start guide

CE   RoHS compliant