

MADRIX[®] USB SMPTE



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

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

Quick Start Guide

3rd Edition, Last Update: March 2017

Order Number

IA-HARD-001016

Package Contents

- 1x MADRIX[®] USB SMPTE
- 1x Quick start guide

Software Requirements

MADRIX I/O requires MADRIX 3.
Please update at least to MADRIX 3.4.

Technical Specifications

Power:	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
Case:	IP20
Weight:	110 g
Temperature range:	10 °C to 50 °C (Operating) / -10 °C to 70 °C (Storage)
Relative humidity:	5 % to 80 %, non-condensing (Operating / Storage)

Step-By-Step Configuration

- 1) Connect your device.
- 2) Enable drivers in MADRIX[®].
- 3) Use the Cue List.

1) Connect Your Device

- Connect your SMPTE time code source to the 3-pin, female XLR connector of MADRIX[®] USB SMPTE.
- Make sure that your SMPTE time code source is sending data.
- Connect your MADRIX[®] USB SMPTE to a free USB 2.0 port of your computer.
- Make sure that Windows recognizes the device. Windows will automatically install the drivers for the device.

21 Enable Drivers In MADRIX®

- In MADRIX®, go to 'Preferences' > 'Options...' > 'Devices USB'.
- Activate 'MADRIX USB SMPTE'.

Click 'Apply' and 'OK'.

31 Use The Cue List

The Cue List is the feature in MADRIX® to work with Time Code.

- In MADRIX®, go to 'Window' > 'Cue List...'
- Or press 'F7'.
- Or click 'Programmer' > 'Cue List...' on the user interface.
- Or click 'Cue List' on the user interface.

- Select the Time Code source 'SMPTE'.
- Select the required 'Time Code Format'.

- MADRIX® will automatically start receiving external Time Code.
- The Time Code format is 'HH:MM:SS:FF' [hours:minutes:seconds:frames].
Example: 10 o'clock and 20 minutes, 30 seconds, and 10 frames will be shown as '10:20:30:10'.

- Configure the column 'Time Code' for your Cue List entries.
- Add or edit more Cue List entries according to your requirements.