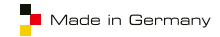**MADRIX** **LIGHTING CONTROL**

Thank you for purchasing MADRIX® USB ONE!

2nd Edition — October 2023

Please read this manual carefully and thoroughly before using MADRIX® USB ONE. Make sure that you fully understand all information.

Made in Germany

Key Features

DMX-IN/OUT With 5-Pin NEUTRIK XLR Port – This device allows you to send or receive DMX data over 512 DMX channels using MADRIX® 5. A male-to-male, 3-pin or 5-pin XLR Gender Changer is required for DMX-IN.

Hot Swapping & Plug and Play – Devices can be connected to and disconnected from the computer during use and without a reboot.

Power Over USB – The interface is powered directly via the USB port and does not need an additional power supply.

Remote Control – MADRIX® 5 can be controlled remotely using the implemented DMX-IN functions.

Technical Specifications

Supply Of Power	DC 5 V, 500 mA, Power over USB
Power Consumption	~ 55 mA during normal operation
BTU/h	1.00 during normal operation
DMX512	512 DMX channels, input or output
Plug	5-pin, XLR, female, NEUTRIK
USB	1x port, USB 2.0, type-A male plug, Plug and Play, 2 m cable
Weight	105 g (0.23 lb)
Temperature Range	10 °C to 50 °C (50 °F to 122 °F) (Operating) | -10 °C to 70 °C (14 °F to 158 °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

Package Contents

1x MADRIX® USB ONE
1x This technical manual / quick start guide

Please note: Check the package contents and the condition of the interface after unpacking! Contact your supplier if something is missing or damaged. Do not use the device if it seems to be damaged!

Copyright Information And Disclaimer

Limited Warranty

Five years of limited manufacturer's warranty are granted to the purchaser of this product with regards to constructional fault, material defect, or incorrect assembly the manufacturer has caused or is to be held responsible for. This warranty will be void if the interface is opened, modified, or damaged through inappropriate handling, wrong usage, overvoltage, or damaged through any other cause. All details are available online at www.madrix.com/warranty
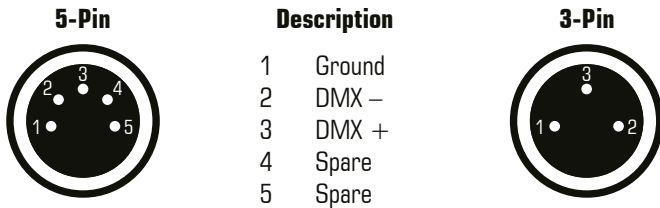
End-Of-Life

This electrical device and its accessories need to be disposed of properly. Do not throw the device into normal trash or household waste. Please recycle packaging material whenever possible.

3-Pin And 5-Pin XLR Connector Layout

The images below outline the general pin layout of 5-pin and 3-pin XLR ports.

5-Pin	Description	3-Pin
	1 Ground	
	2 DMX −	
	3 DMX +	
	4 Spare	
	5 Spare	

Please note: MADRIX® USB SMPTE features a 3-pin, female XLR connector. Please use XLR adapters if necessary!

Step-By-Step Configuration

1] Connect your device.
2] Enable drivers in the MADRIX® 5 Software.
3] Activate the device in the MADRIX® 5 Device Manager.

1] Connect Your Device
- Connect your DMX line to the 5-pin, female XLR connector of MADRIX® USB ONE.
- If you want to use DMX-IN, please use a 5-pin XLR male to 5-pin XLR male gender changer.

- Connect your MADRIX® USB ONE to a free USB 2.0 port of your computer.
- Make sure that the Microsoft® Windows® operating system recognizes the device.
  Windows® will automatically install the drivers for the device.

2] Enable Drivers In The MADRIX® 5 Software
- In MADRIX® 5, go to the menu **'Preferences' > 'Options...' > 'Devices USB'**.
- Activate **'MADRIX USB ONE / MADRIX NEO'**.
  [The option is activated by default.]
- Click **'Apply'** and **'OK'**.

3] Activate The Device In The MADRIX® 5 Device Manager
The MADRIX® USB ONE allows you to send [DMX-OUT] or receive [DMX-IN] data via MADRIX® 5 using 512 DMX channels.

- In MADRIX® 5, go to the menu **'Preferences' > 'Device Manager...' > 'DMX Devices'**.
- Or press **'F4'**.

- Select your device in the list.
- **Right Mouse Click** or **Left Mouse Double-Click** on the column **'State'** to set from **'Off'** to **'On'** [indicated by green light].

- **A] Right Mouse Click** or **Left Mouse Double-Click** on the column **'OUT / IN'** to set to **'OUT'** for data output.
- **B] Right Mouse Click** or **Left Mouse Double-Click** on the column **'OUT / IN'** to set to **'IN'** for data input if you wish to receive incoming data through this device.

- When using your device as an output device, set up the correct DMX universe.
- **Right Mouse Click** or **Left Mouse Double-Click** on the column **'Universe'** and enter the required number.

For more information, see the MADRIX® 5 User Manual.

Support

In case of further questions concerning handling of MADRIX® USB ONE or technical problems, use the following resources for troubleshooting:
– Read the MADRIX® 5 User Manual
– Contact your dealer
– Have a look at the website and online forum at www.madrix.com
– You can also directly contact info@madrix.com

Imprint