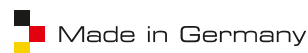![MADRIX LIGHTING CONTROL]

# MADRIX 5 Software

## The powerful yet simple LED lighting controller for ultimate pixel mapping in 2D or 3D.

Made in Germany

## Key Features

The MADRIX® Software is the preferred lighting tool of choice for industry professionals, lighting designers, operators, VJs, and enthusiasts all around the world. From small projects and events to high-profile architectural installations, the largest stages, and the most famous clubs, MADRIX® Software makes the most creative lighting designs possible. Thanks to very intuitive controls and enormous flexibility, you can create stunning lighting effects for your LEDs in no time.

The application is a real-time effects generator for 2D pixel mapping and 3D voxel mapping with additional media server capabilities.

Using the built-in graphics and rendering engine, fully customizable live visuals are created by you quickly and easily.

### Ultimate Flexibility

From the smallest projects to the biggest ones – get the best out of your LEDs. The MADRIX® Software can produce a complete LED light show from a normal computer or laptop. Still, it can drive tens of thousands of LEDs without problems. This powerful software will not only allow you to control nearly any 2D LED display in every possible way, but real 3D LED applications as well. This makes it the ideal solution for your LED project.

### Audio-Reactive Visuals

The MADRIX® Software features a state-of-the-art audio analysis. It can process any live audio signal and create stunning real-time lighting visuals. These live effects will create a light show that runs in sync with your music. And thanks to the integrated effects generator, you can also create many lighting patterns without audio input. And you can always customize everything, such as speed, color, shape, direction, size, movement, position, brightness, and much more.

### Ultimate Creativity

Bring your LED design to life with beautiful colors, stunning visuals, and spectacular effects. The MADRIX® Software adapts to your needs. Use it as LED lighting controller, VJ software, 2D pixel mapper, 3D voxel mapper, media server, or media creator.

This software is very easy to use with a VJ-like operation, 2 decks and a crossfader, plus 3 real-time previews to show your effects in advance.

### Ultimate Control

MADRIX® 5 is the ultimate control software for LED lighting. All-new features such as the TRI effect category, audio playback for videos, the CSV fixture list import, a fresh user interface with two themes that is even easier to use, unprecedented performance and speed thanks to the powerful new 64-bit render engine, and many more allow you to produce amazing results right from the start. Cutting-edge technologies provide you with all the tools you need for modern LED control.

## Industry Standards For Output:

**DMX-Based**

- Art-Net I, II, 3, 4 (Unicast & Broadcast)
- DMX512
- Philips Color Kinetics KiNET (V1 / V2)
- Philips Hue
- SPI (via MADRIX® NEBULA)
- Streaming ACN (sACN / E1.31) (Unicast & Multicast)

**DVI-Based**

- ColourSmart Link
- Colorlight A8
- Colorlight 5A
- Colorlight T9
- DVI (VGA, HDMI, etc.)
- Eurolite T9

## Industry Standards For Input & Audio:

- Art-Net I, II, 3, 4
- ASIO

  ASIO COMPATIBLE

- CITP
- DMX512
- GamePort
- MA-Net 1 / MA-Net 2
- MADRIX® I/O

- MIDI
- Media (Images, Pictures, Logos, Videos, Scrolling Text, Live Capturing, Screen Capturing)
- Remote HTTP (Web Server)
- Streaming ACN (sACN / E1.31)
- Time Code (Art-Net / MIDI / SMPTE / System Time)
- WDM

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## MADRIX® KEY Overview

| MADRIX® 5 KEY | start | entry | basic | professional | ultimate | maximum |
|---|---|---|---|---|---|---|
| Upgradeable | ✓ | ✓ | ✓ | ✓ | ✓ | |
| **DMX-Based Output** | | | | | | |
| DMX Channels | 1,024 Channels | 4,096 Channels | 16,384 Channels | 65,536 Channels | 262,144 Channels | 1,048,576 Channels |
| DMX Universes Example | 2 Universes | 8 Universes | 32 Universes | 128 Universes | 512 Universes | 2,048 Universes |
| RGB Voxels Example | 341 Voxels | 1,365 Voxels | 5,641 Voxels | 21,845 Voxels | 87,381 Voxels | 349,525 Voxels |
| **DVI-Based Output** | | | | | | |
| DVI Voxels | 4,096 Voxels | 16,384 Voxels | 262,144 Voxels | 1,048,576 Voxels | 2,097,152 Voxels | 2,097,152 Voxels |
| Render Resolution Example | 64 x 64 Voxels | 128 x 128 Voxels | 512 x 512 Voxels | 1,024 x 1,024 Voxels | 2,048 x 1,024 Voxels | 2,048 x 1,024 Voxels |

3D Mode



Patch Editor



Touch Screen Interface



**User Interface Languages:**

- English
- German (Deutsch)
- Spanish (Español)
- French (Français)
- Simplified Chinese (简体中文)

**Demo Mode Available:**

Download the MADRIX® Software from www.madrix.com

Optimal system specifications will often be higher.

**Supported Operating Systems:**

- Microsoft® Windows® 7
- Microsoft® Windows® 8
- Microsoft® Windows® 8.1
- Microsoft® Windows® 10
- 64 bit only

**Minimum System Requirements:**

- 2.0 GHz dual-core CPU
- OpenGL 2.1 graphics card (NVIDIA recommended)
- 2 GB RAM
- 1 GB free harddisk space
- 1280 x 768 screen resolution
- Network card
- Sound card
- USB 2.0