


MADRIX 5 Software

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



 Made in Germany

Key Features

4th Edition – 05/2019

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.

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 Output

- 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 Output

- ColourSmart Link
- Colorlight A8
- Colorlight 5A
- Colorlight T9
- DVI (VGA, HDMI, and more)
- Eurolite T9

Industry Standards For Input, Interoperability, Remote Control, And Audio:


- Art-Net (I, II, 3, 4)
- ASIO
- Blackmagic Design
(DeckLink, Intensity, and more)
- C1TP
- DMX512
- GamePort
- MA-Net 1 / MA-Net 2
- MADRIX® I/O
- MIDI
- Media (Images, Pictures, Logos, Videos, Scrolling Text, Live Capturing, Screen Capturing)
- NewTek NDI (Send & Receive)
- Remote HTTP (Web Server)
- Spout (Send & Receive)
- 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	5,461 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 Pixels	128 x 128 Pixels	512 x 512 Pixels	1,024 x 1,024 Pixels	2,048 x 1,024 Pixels	2,048 x 1,024 Pixels

MADRIX® 5 KEY preprogrammer is available for project preparation. It provides no output, but removes major limitations of the demo mode.

3D Mode



Patch Editor



Touch Screen Interface



User Interface Languages:

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

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

Demo Mode Available:

Download the MADRIX® Software from www.madrix.com
Optimal system specifications will often be higher.