



MADRRIX
LIGHTING CONTROL

20 YEARS **X** 2025

CREATIVE
DYNAMIC
RELIABLE

MADRIX 5

CONTROL // PIXEL MAPPING



Ultimate Flexibility

From the smallest projects to the biggest ones — get the best out of your LEDs. MADRIX 5 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.

Ultimate Control

MADRIX 5 is the ultimate control software for your LED lighting. All-new features such as timelines, 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.



Ultimate Creativity

Bring your LED design to life with beautiful colors, stunning visuals, and spectacular effects. MADRIX 5 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.

Audio-Reactive Visuals

MADRIX 5 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. You can always customize everything, such as speed, color, shape, direction, size, movement, position, brightness, and much more.

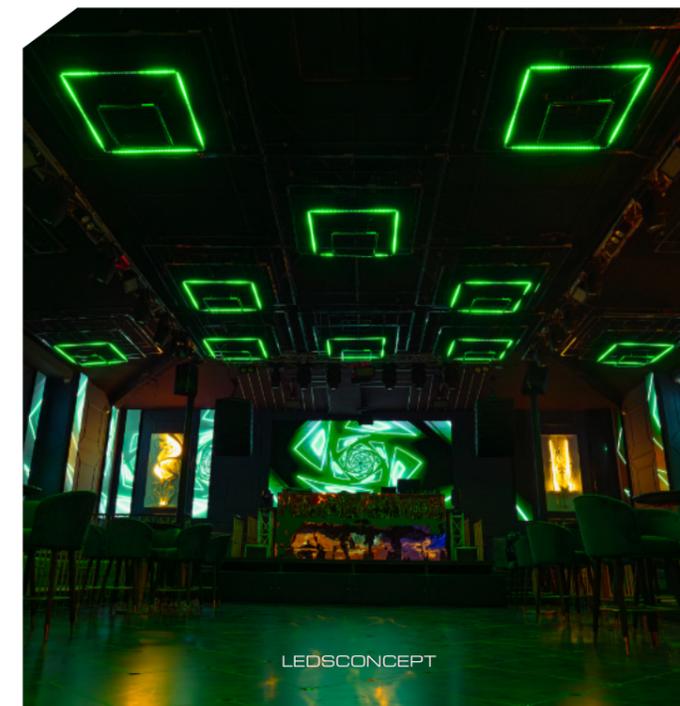
The award-winning LED lighting controller for ultimate pixel mapping in 2D or 3D.

Technical Specifications

Made in Germany

User-Interface Languages	Deutsch (German) English Español (Spanish) Français (French) Bahasa Indonesia (Indonesian) Italiano (Italian)	日本語 (Japanese) 한국어 (Korean) Português brasileiro (Brazilian Portuguese) русский (Russian) Türkçe (Turkish) 简体中文 (Simplified Chinese)
Industry Standards For Output	DMX-Based Art-Net (I, II, 3, 4) (Unicast & Broadcast) DMX512 Color Kinetics KiNET (v1 / v2 / v3) Philips hue SPI (Via MADRIX NEBULA) Streaming ACN (sACN / E1.31) (Unicast & Multicast)	DVI-Based ColourSmart Link Colorlight A8 Colorlight T9 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) CAST Software BlackTrax CITP DMX512 GamePort MA-Net 1 / MA-Net 2 MADRIX I/O	MADRIX ORION (Analog Input) Media (Images, Pictures, Logos, Videos, Text, Live-Signal Capturing, Screen Capturing) MIDI 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
Supported Operating Systems	Microsoft Windows 10, Microsoft Windows 11 64 bit only	
License Requirements	MADRIX 5 licenses require a valid, metallic MADRIX KEY	
Demo Version	Download MADRIX 5 from www.madrix.com	

Even more options are available via converters or bridging tools for input as well as output.



LEDSCONCEPT



LIVE DESIGN
PRODUCTS
2013-2014 OF THE YEAR

8th edition
PALM SOUND &
LIGHT AWARDS

MADRIX 5



Enjoy
state-of-the-art
features for unique 2D
and real 3D.

2D Pixel Mapping

The MADRIX 5 Software makes it possible to control numerous LED fixtures; also of different kinds. Position them according to your needs in nearly any form or shape. Map pixel by pixel and achieve pixel-perfect results, even with the lowest of pixel resolutions. The result are crisp and sharp visuals on your LEDs.



Combine 2D + 3D

Combine any 2D project with 3D elements in order to create even more spectacular attractions for your audience, customers, and clients. MADRIX 5 is a powerful tool that will help you realize the projects you want to build. Mapping LEDs is fast, creative, and fun. MADRIX 5 certainly takes your LED display to the next level.



3D Voxel Mapping In X + Y + Z

MADRIX 5 provides a leading-edge feature set to fully control real 3D LED matrices. MADRIX 5 supports volume rendering (voxel mapping). This approach is fundamentally different to the 3D projections or the physical layout of 2D surface areas that are widely known nowadays. It makes your installation state-of-the-art.

MADRIX 5

Different licenses are available for different needs and project sizes.

MADRIX 5 License	start	entry	basic	professional
DMX Channels	1,024	6,144	16,384	65,536
DMX Universes (Example)	(2)	(12)	(32)	(128)
RGB Voxels (Example)	(341)	(2,048)	(5,461)	(21,845)
DVI Pixels	16,384	262,144	1,048,576	2,097,152
Render Resolution (Example)	(128 x 128)	(512 x 512)	(1,024 x 1,024)	(2,048 x 1,024)
Upgradable	✓	✓	✓	✓
Validity	Lifetime	Lifetime	Lifetime	Lifetime

MADRIX 5 License	ultimate	maximum	preprogrammer
DMX Channels	262,144	1,048,576	
DMX Universes (Example)	(512)	(2,048)	MADRIX 5 preprogrammer is a special license available for project preparation.
RGB Voxels (Example)	(87,381)	(349,525)	It provides no output for MADRIX 5, but removes major limitations of the demo mode.
DVI Pixels	2,097,152	2,097,152	
Render Resolution (Example)	(2,048 x 1,024)	(2,048 x 1,024)	
Upgradable	✓	—	—
Validity	Lifetime	Lifetime	Lifetime

MADRIX 5 License Upgrades

You can easily upgrade the license on your MADRIX KEY to any higher license at any time in order to increase the available output. MADRIX 5 License Upgrades can simply be processed online. Please contact your dealer for more information.





www.madrix.com

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