MaNima Interface



DATASHEET



MaNima Magnus 8

- Master-Slave function.
- Up to 8 universes
- Easy to configure.
- Update the Firmware with the GUI
- Additional features
- Custom API

Live mode

The MaNima LED interface can send live data with ArtNet to digital LED strips or one or both DMX ports.

Art-Net

The MaNima LED interface can be controlled via ArtNet V1.4. The interface is easy to find and use thanks to the configurable ArtPoll system.

External inputs

Scenes can be started via external inputs. These are digital inputs or analogue inputs; 4-20mA or 0-10V.

Custom API

A custom API makes it possible to let your system communicate with the MaNima LED Interface.

Standalone mode

In Stand-Alone mode, the MaNima LED interface plays a recorded scene from the SD card. The scene can be recorded through Art-Net according to the WYSIWYG principle.

Synchronization

Multiple MaNima LED interfaces synchronize when playing scenes through a master and slave setup.

Controlling scenes

The recorded scenes can be started by external inputs, DMX; 4-20mA or 0-10V, UDP and HMI.

Easy-to-use GUI

The settings of the MaNima LED interface can easily be changed by a user via the MaNima LED interface configurator.

Multiple protocols at once

Due to the available multiple ports, there is also the possibility of sending different protocols over different ports.





Technical Specifications

Weight	360 Gr
Dimensions	90 x 159 x 58 mm
Mounting	Din rail
IP class	IP10
Wiring	Max. 2.5mm2 14 AWG
Connectors	Power: 12-48 VDC terminal connector, Art-Net terminal connector:RJ45 bus, IO port 5-pin input/ Output terminal connector, analogue 6-pin terminal connector, +10 volt terminal connector.
Input voltage	12-48V DC 200mA max
Max. power consumption	9.6W
Channels	10.240 Art-Net and/or up to 1024 DMX channels
Ethernet	RJ45 compatible, for 10/100 Base-TX Ethernet with Static IP address or DHCP
Input	DMX512 (2 Inputs) Art-Net MaNima Configurator 5 Digital Inputs 6 Analogue Inputs UDP Custom API
Output	50+ SPI protocols (supported IC's list) DMX512 (2 outputs) SPI (6 outputs) Art-Net
Directives	CE, RoHs
Operating temperature	10°C ~ 60°C
Storage temperature	10°C ~ 60°C
Warranty	5 Years
Gui	MaNima Configurator





SPI Protocols

APA102, APA102_8bit, APA104, APA106, HD107S

BS0901

CX808, CS8812

DM412, DMX

GW6205_400kHz, GW6205_800kHz, GS8208

INK1003

LD1510, LPD6803

MBI6024, MB16120, MY9221, MY9231, MY9291

PC5XS301V0500

SK6812, SK6812RGBW, SK6822, SK8922

SM16703, SM16716, SM16726, SM16904

TM1803, TM1804_400kHz, TM1804_800kHz, TM1809, TM1812, TM1814, TM1914A

UCS1903_400kHz, UCS1903_800kHz, UCS1904, UCS2903, UCS2904, UCS2912, UCS512B3, UCS5603A, UCS8904, UCS9812, UCS8903

WES9412, WES943

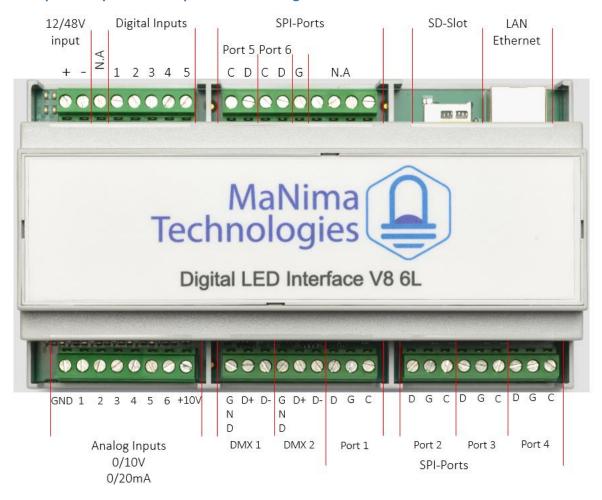
WS2801, WS2803, WS2811_400kHz, WS2811_800kHz, WS2812, WS2812B, WS2812S, WS2813, WS2815, WS2818





Connection Diagram

Descriptions of ports from top left to bottom right:



12/48V Input: Connect 12/48 Volts to this connector. DO NOT make short circuit while doing this, since it will seriously damage the MaNima LED Interface.

Digital Inputs: Digital Inputs are inputs used to control the MaNima LED Interface with voltages between +3,3V and +12V. Inputs can be configured using the 'Inputs' tab.

SPI-ports (1-6): These ports are used as outputs for the Data (D) Ground (G) and the Clock (C). Every port has a D,G and a C output. These ports make sure the LED's will receive the Digital Signal.

SD-Slot: An SD card can be placed inside this slot. All scenes are recorded and saved here.

LAN/Ethernet: To connect to a network, a LAN or Ethernet cable must be connected to the MaNima LED Interface, using this port.

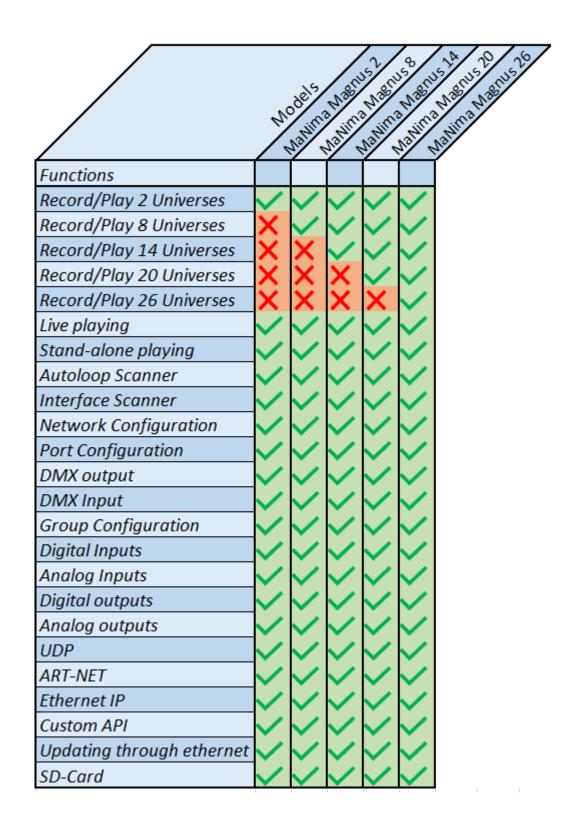
Analog Inputs: These inputs are used as Analog Channels. The +10V is used for these connections (It can also be used for the Digital inputs).

DMX 1-2: These ports are used for devices that need DMX signals.





Models







GUI









Contact Info

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