

The BL controls MADRIX AURA is an advanced stand-alone controller for simple recording and large-scale pixel mapping for beautiful light shows and interactive installations. Control via built-in web server or use Artnet and Streaming ACN to send control data over Ethernet network, and features inbuilt master/slave synchronization across up to 32 DMX Universes for seamless lighting effects when using multiple devices. Fully compatible with BL neonVIEW PIXEL, and designed for complex chasing and dynamic lighting systems.

Up to 32 universes

CLIENT	
PROJECT NAME	
LOCATION	
DATE	

## Product Details



<b>Power</b>	DC 5 V – 24 V; over A) 2-pin, pluggable screw terminal or B) 5 V USB
<b>Power Consumption</b>	< 1.5 W (300 mA) during normal operation (500 mA max. fused)
<b>Network Protocols</b>	Art-Net (I, II, 3, 4, incl. ArtSync), Streaming ACN (sACN / ANSI E1.31)
<b>RDM Role</b>	Acts on commands and replies to requests with its own status and sensor data via ArtRdm
<b>Output</b>	2x / 8x / 32x 512 DMX channels output over Ethernet network
<b>Recording Input</b>	2x / 8x / 32x 512 DMX channels input over Ethernet network
<b>Remote-Control Input</b>	8x 512 DMX channels received over Ethernet network
<b>SD-Card Slot</b>	Supports SD, SDHC, and SDXC cards (Tested up to 64 GB)
<b>Ethernet</b>	2x RJ45, Auto MDI-X, daisy-chain support, 10/100/1000 MBit/s
<b>Ethernet Switch</b>	Lookup Table (ALU) for 4096 unicast MAC addresses
<b>USB</b>	1x port, USB 2.0, type-B female socket
<b>Handling</b>	8 control buttons, 6 status LEDs (+ 4 network status LEDs)
<b>Case</b>	Non-conductive, V-0 flammability rating, designed for 35 mm DIN-rails or wall mounting
<b>Weight</b>	148 g   154 g incl. screw terminal, SD card, and wall mounts
<b>Temperature Range</b>	-10 °C to 70 °C (Operating)   -20 °C to 85 °C (Storage)
<b>Relative Humidity</b>	5 % to 80 %, non-condensing (Operating / Storage)
<b>IP Rating</b>	IP20
<b>Certificates</b>	CE, FCC, RoHS Compliant



## Features & Benefits

- DMX512
- Scalable From 2 to 8 to 32 Universes
- USB and Ethernet Programming and Control
- Built-in Master/Slave Synchronization Across All DMX Universes
- Clock / Calendar Triggering
- 8 On Board Control Buttons, 6 Status LEDs and 4 Network Status LEDs
- Trigger and Control Remotely via Built-in Web Server or Art-Net/sACN
- 2 x RJ45 Ethernet Ports, 1x USB 2.0 Port, 1x SD-Card Slot
- 1x Network Cable and 1x SDHC Card Included
- Wall Mount with 2x Mounting Brackets (included) or on 35mm DIN Rail

## Ordering

Product Name	Universes	IP Rating
BL controls MADRIX AURA	2x512	IP20
	8x512	
	32x512	

## Dimensions

