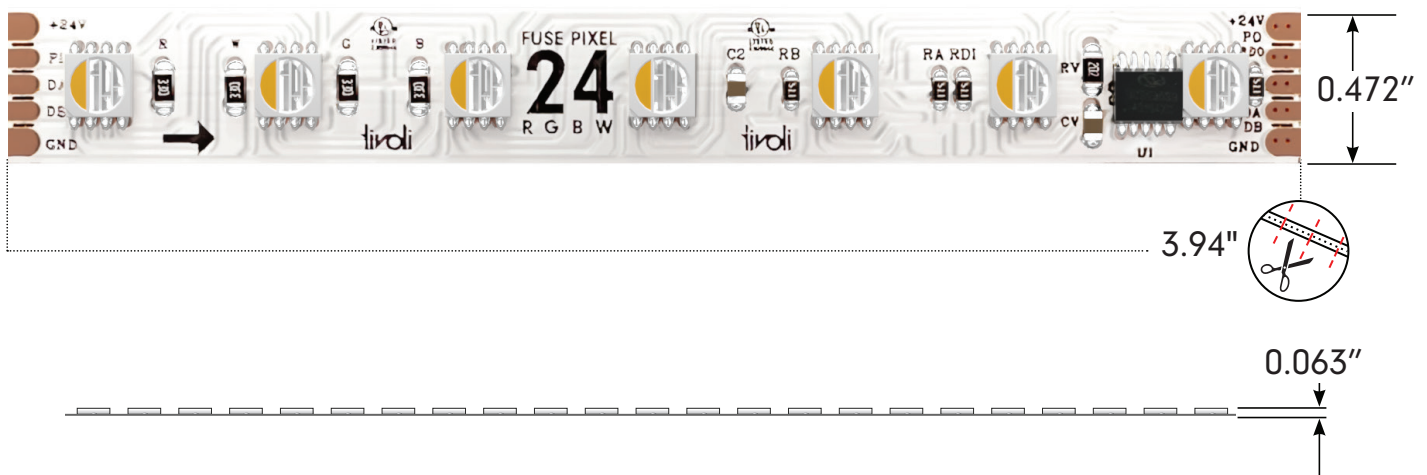


Project: _____ TYPE: _____

- 4 Channel system
- RGB mixing with a dedicated white chip and factory available CCT: 2700K, and 3000K
- Addressable LED pixels segments, suitable for stage, entertainment and architectural applications
- 28 LEDs per foot
- 3 Pixels per foot for color changing effect, suitable for media display
- 3.94" Cutting increments
- 3M VHB double sided tape on the back
- 24VDC input voltage
- Includes Tivoli's eXo shield coating
- Factory soldered lead wire
- Standard IP54 damp rated and IP67 wet location available
- Multiple mounting channel options
- Low lead times
- 4oz. Copper Trace
- 5 Year warranty

Dimensions



Order Specification Guide

| PRODUCT CODE | VERSION | INSTALL | LED TYPE | *INSTALL | VOLTAGE |
|--------------------------|-------------------|-------------------|--|---------------------|--------------------|
| TPLFS | PX | I | | | 24 |
| TPLFS = Fuse Tape | PX = Pixel | I = Indoor | RGB27 = RGB+2700K RGB30 = RGB+3000K | MR = Max Run | 24 = 24V DC |

* Optional - Leave blank if not needed

Note: A layout/drawing must accompany each order showing run length and location

Note: Runs with LEAD-C are rounded **up** to next cut interval (unless otherwise specified)

Note: Runs with LEAD-D are rounded **down** to next cur interval (unless otherwise specified)

Specification

| Output | | | | | | | | |
|---------------------|------|-------|------|-----|-------|--------|-------|--------|
| Kelvin Temperature | Red | Green | Blue | RGB | 2700K | RGB+27 | 3000K | RGB+30 |
| Lumens/ft | 57.1 | 118 | 27.2 | 200 | CF | CF | 123 | 322 |
| Efficacy (Lm/W) | 33 | 72 | 16 | 51 | CF | CF | 69 | 63 |
| CRI | n/a | n/a | n/a | 25 | CF | CF | 92.6 | 45.4 |
| Wavelength | 628 | 518 | 456 | n/a | CF | CF | n/a | n/a |
| Measured Power W/ft | 1.8 | 1.6 | 1.7 | 3.9 | CF | CF | 1.8 | 5.1 |
| Listed Power W/ft. | 5.1 | | | | | | | |
| Max Run | 18' | | | | | | | |

CF = Call Factory for information

n/a = Not Applicable

| Electrical | |
|---------------------------|--------------------------------|
| Input Voltage | 24V DC |
| Control System | DMX |
| Control IC# | SM18522PS |
| Address Setting | Auto |
| Physical | |
| Dimensions | 0.472 (12mm) |
| LED | 5050 4 in 1 chip |
| Cut Increment | 3.94" (100mm) |
| LED/ft | 21 |
| Copper Trace | 3 OZ |
| Adhesive | 3M VHB Tape |
| Operating Temperature | -40°C to 60°C (-40°F to 140°F) |
| Certification and Testing | |
| Certification | cULus |
| Environment | Damp Location |
| IP Rating | IP54 (Conformally Coated) |
| Warranty | 5 years |

Power Leads and Jumpers (Installed by Tivoli's certified solderers)



TPL-I-LEAD-5-C
LEAD/END
24" standard 5 conductor
22AWG lead wire factory
attached to one end of tape



TPL-I-LEAD-5-D
LEAD/LEAD
24" standard 5 conductor
22AWG lead wire factory
attached to both ends of tape



TPL-I-XEP-5
EXTRA LEAD WIRE
Additional factory attached
22AWG lead 5 wire to extend
lengths of LEAD-C and LEAD-D
up to 20 ft. max
Sold per foot

In-Wall Controls



TVOQ-2-BK
Black



TVOQ-10-XX-7
XX = BK (Black), WH (White)



LTEC-UB5
5-channel DMX compatible
(RGBWY) Touch enabled Multi-
scene and zone with App and
Bluetooth connectivity

Controls



MDRX-AURA-XX
X = 02, 12, 32 (ports)
MADRIX Aura is a stand-alone
controller for up to 2, 12, or 32
universes per unit



SP630E-S
All-In-One SPI/PWM Controller
Note: Control with available
BT app or optional SP630E-R
remote



ARTNET-S-8-512
8 port universe Artnet to DMX
interface, 4096 DMX channels
Programmable for playback and
live support

Network Hardware



MDRX-LUNA-XX
XX = 04, 08, 16 (ports)
 MADRIX Luna 4, 8, 16 port universe Artnet to DMX interface 16 port 8192, 8 port 4096, 4 port 2048 DMX channels



ARTNET-L-XX-512
XX = 8, 16 (ports)
 8 or 16 port universe Artnet to DMX interface,
 16 port 8192 DMX channels
 8 port 4096 DMX channels



NTG-SWI-XXPT
XX = 8 (8 Port), **16** (16 Port)
 NETGEAR 16-Port gigabit Unmanaged Switch



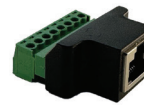
DMX-SPLT-X
X = 2, 4, 8 (Output Channels)
 DMX Splitter 1 Input to 8 Output Ethernet or Hardwire Connection



DMX-WRTR
 DMX writer for addressable pixel product

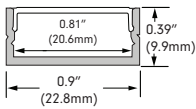


DMX3-CAT5-F-ADPTR
 DMX adapter
 3-pin XLR female to RJ45

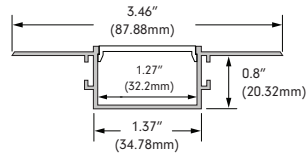


RJ45-HRDW-ADPTR
 8 Wire Hardwire to CAT-5/6 Adapter

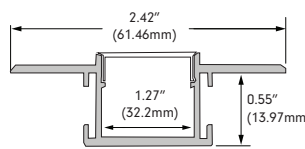
Compatible Extrusions



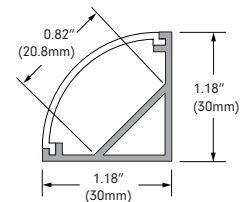
COTA-CHAN-SLV-6.5
 Anodized Aluminum Extrusion, available in 6.5' lengths



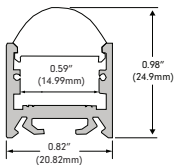
CARU-CHAN-SLV-6.5
 Anodized aluminum extrusion, available in 6.5' lengths



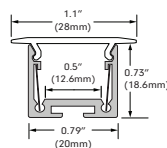
HAYS-CHAN-SLV-6.5
 Anodized Aluminum Extrusion, available in 6.5' lengths



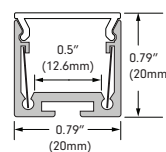
FRE-CHAN-SLV-6.5
 Anodized Aluminum Extrusion, available in 6.5' lengths



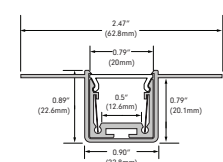
RIDG-CHAN-SLV-8
 Anodized Aluminum Extrusion length 8'



DUET-04-CHAN-SLV-6.5
 Anodized aluminum extrusion available in 6.5' length
 Note: **DUET-04-CHAN-SLV-6.5** and **DUET-04-LNS-R-XXX-6.5** are required for recessed application



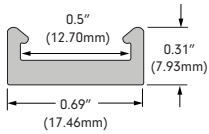
DUET-04-CHAN-XXX-6.5
XXX = SLV (silver), **WHT** (white), **GLD** (gold), **BLK** (black)
 Aluminum extrusion 6.5' Length



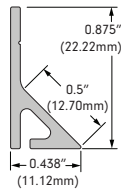
DUET-04-CHAN-M-6.5
 Mud-In PC fire-proof extrusion 6.5' Length
 Note: **DUET-04-CHAN-SLV-6.5** and **DUET-04-CHAN-M-6.5** are required for mud-in application

Note: For complete information on DUET 04 profile, refer to specification

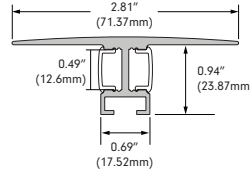
Compatible Extrusions



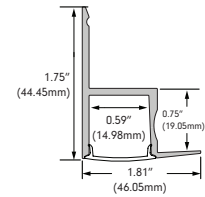
MCHAN-8-LP
Low profile NO LENS OPTION
clear polycarbonate, length 8'



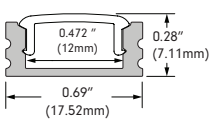
TPL-I-45-MCH-8-S
White PVC, 45° NO LENS
length 8'



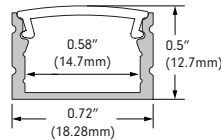
DWAR-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



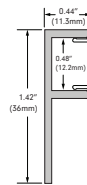
EDGE-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



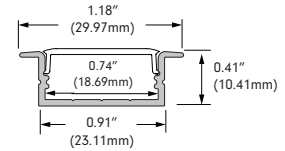
MINI-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



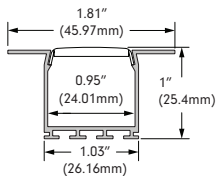
MOFT-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



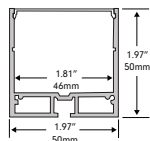
LEDA-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



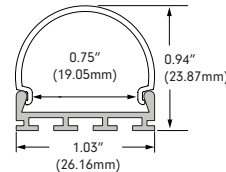
WRNR-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



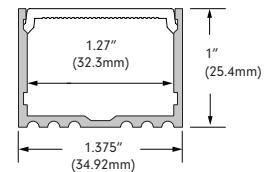
NOYS-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



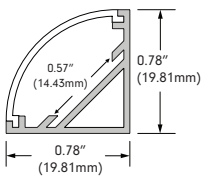
ANZI-CHAN-XXX-6.5
XXX=SLV (Silver), BLK (Black),
WHT (White)
Anodized Aluminum Extrusion,
available in 6.5' lengths



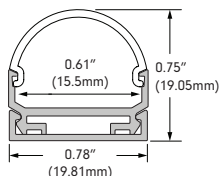
DOME-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



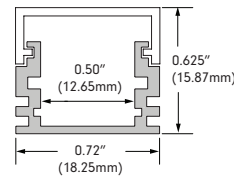
ALTN-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



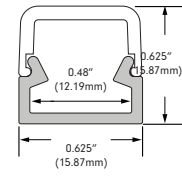
MRSL-CHAN-SLV-6.5
Anodized aluminum extrusion
available in 6.5' length



HRIZ-CHAN-SLV-6.5
Anodized aluminum extrusion
available in 6.5' length



ASTR-CHAN-SLV-6.5
Anodized aluminum extrusion
available in 6.5' length

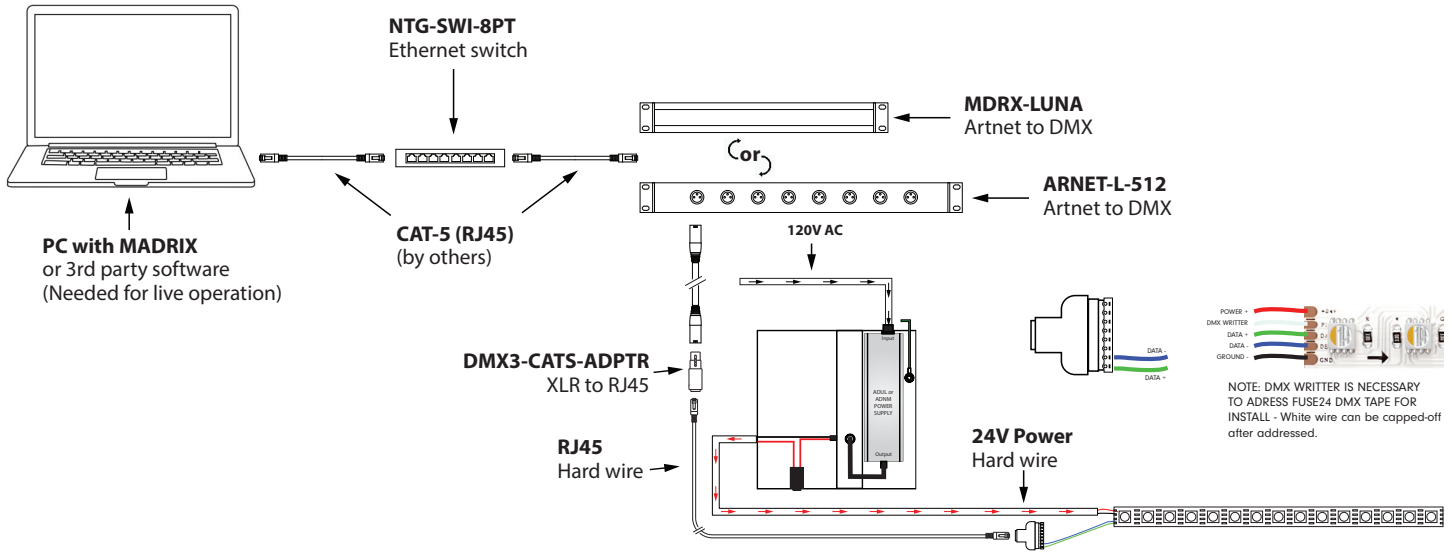


INF-X-CHAN-8
X = C (clear), F (frosted)
PC extrusion,
available in 8' lengths

Data Operation & Wiring Diagram Artnet to DMX ON-LINE operation

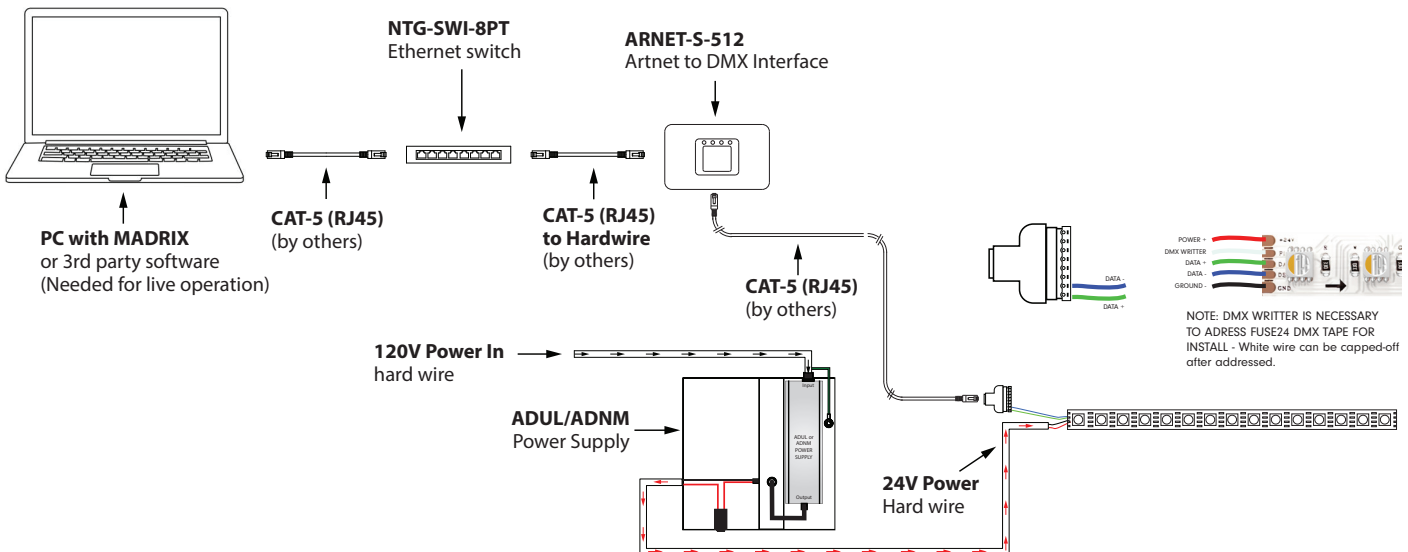
MDRX-LUNA or ARTNET-L (Live)

This is a live control performance setup using the MDRX-LUNA-XX or ARTNET-L-XX-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Magic Tape.



ARTNET-S (Live)

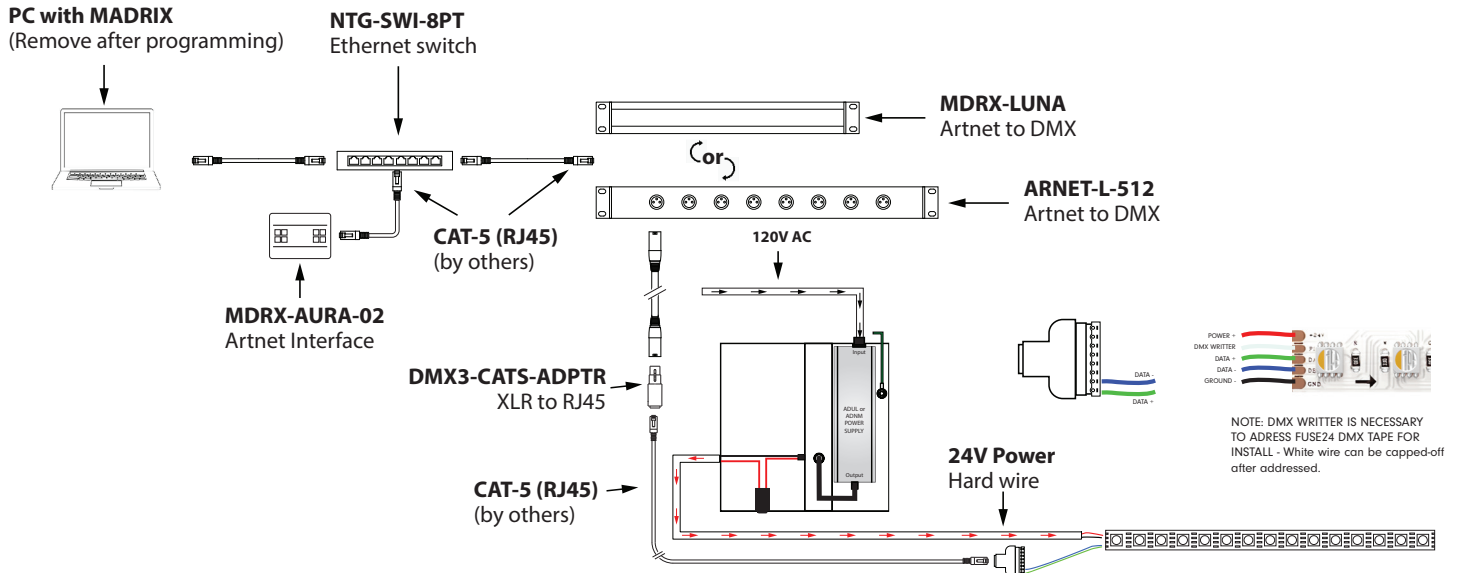
This is a live control performance setup using the ARTNET-S-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Magic Tape.



Data & Wiring Diagram TivoCUE, LUNA or ARTNET-L OFF-LINE operation

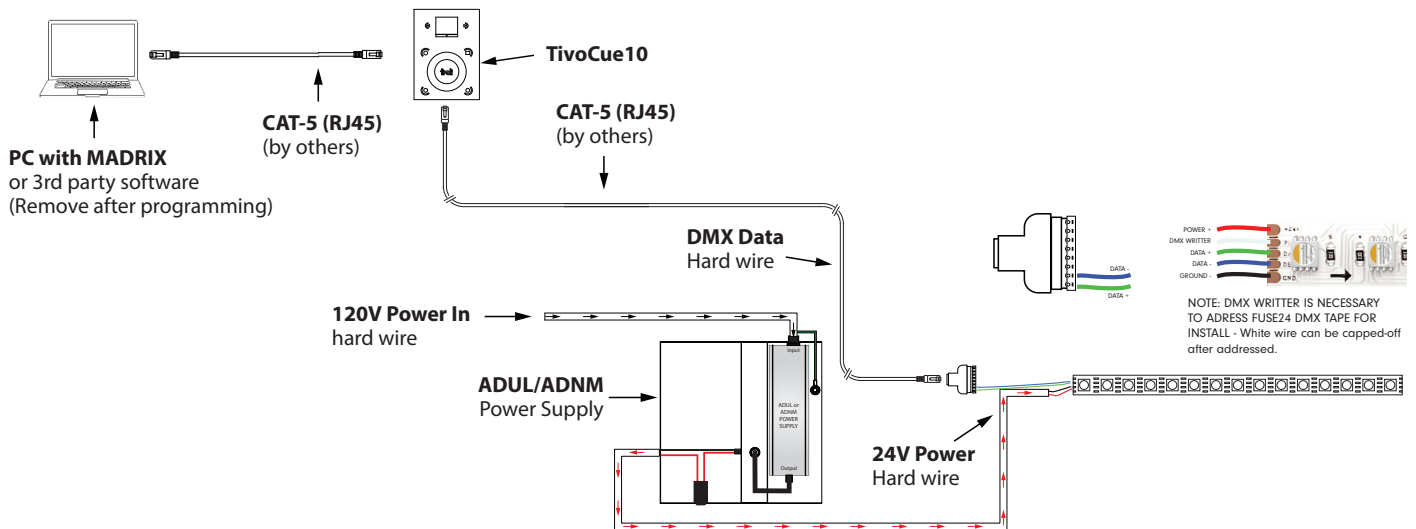
MDRX-LUNA or ARTNET-L (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to AURA hardware via lighting software, PC/network can be removed from the system using only the AURA to control playback. Integrate with MDRX-LUNA or ARTNET-L for DMX system. Please refer to the AURA, MDRX-LUNA or ARTNET-L-512 specification for setup and record information.



TivoCUE (Preset)

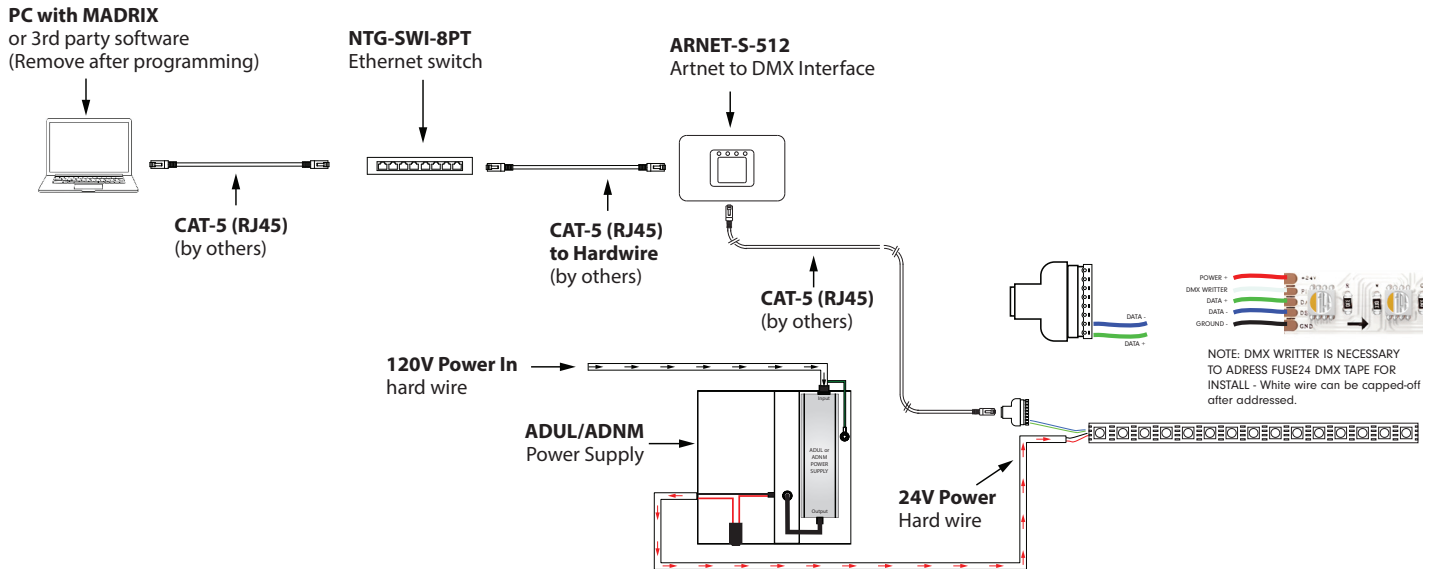
A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to TivoCUE 10/2 hardware via lighting software, PC/network can be removed from the system using only the TivoCUE 10/2 to control playback. Please refer to the TivoCUE 10/2 specification for setup and record information.



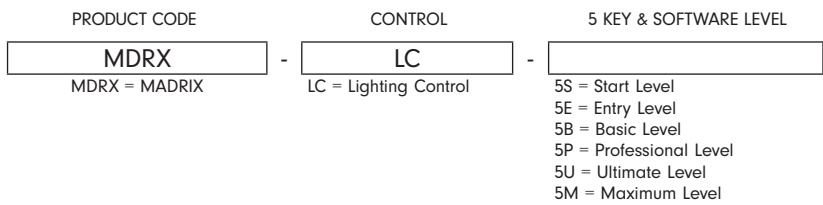
Data & Wiring Diagram OFF-LINE operation

ARTNET-S (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to ARTNET-S-512 hardware via lighting software, PC/network can be removed from the system using only the ARTNET-S-512 hardware to control playback. Please refer to the ARTNET-S-512 specification for setup/record information.



Key & Software Levels



MADRIX KEY

A USB dongle unlocks the software’s full output. You can freely switch between different PCs as it is not bound to a specific one. It only needs to be activated online once.

MADRIX 5 LICENSE UPGRADES

You can easily upgrade your MADRIX 5 KEY to any higher license at any time, increasing the available output.

| Level | START | ENTRY | BASIC | PROFESSIONAL | ULTIMATE | MAXIMUM |
|-----------------------------------|------------|------------|------------|---------------|---------------|---------------|
| MADRIX 5 Order Code | MDRX-LC-5S | MDRX-LC-5E | MDRX-LC-5B | MDRX-LC-5P | MDRX-LC-5U | MDRX-LC-5M |
| DMX-Based Output | | | | | | |
| DMX Channels | 1,024 | 4,096 | 16,384 | 65,536 | 262,144 | 1,048,576 |
| DMX Universe Example | 2 | 8 | 32 | 128 | 512 | 2,048 |
| RGB Voxels Example | 341 | 1,365 | 5,461 | 21,845 | 87,381 | 349,525 |
| DVI-Based Output | | | | | | |
| DVI Voxels | 4,096 | 16,384 | 262,144 | 1,048,576 | 2,097,152 | 2,097,152 |
| Render Resolution (Pixel x Pixel) | 64 x 64 | 128 x 128 | 512 x 512 | 1,024 x 1,024 | 2,048 x 1,024 | 2,048 x 1,024 |

Power Supplies

ADUL/ADNM - NON DIMMING

| DESCRIPTION | CAT NO | APPLICATION | PRIMARY VOLTAGE | SECONDARY VOLTAGE | CIRCUIT BREAKERS | MAX LOAD | CIRCUIT CAPACITY |
|---|-------------------|----------------|-------------------------|-------------------|------------------|----------|------------------|
| ADUL/ADNM Series Class 2 Transformer | ADNM-90-1-4-24-D | Indoor/Outdoor | 100-277V AC 50/60 HZ | 24V DC | 1 | 90W | 3.75A |
| | ADUL-120-1-4-24-D | Indoor | | | 1 | 96W | 4A |
| | ADUL-240-2-4-24-D | Indoor | | | 2 | 2x96W | 2x4A |
| | ADUL-320-3-4-24-D | Indoor | | | 3 | 3x96W | 3x4A |