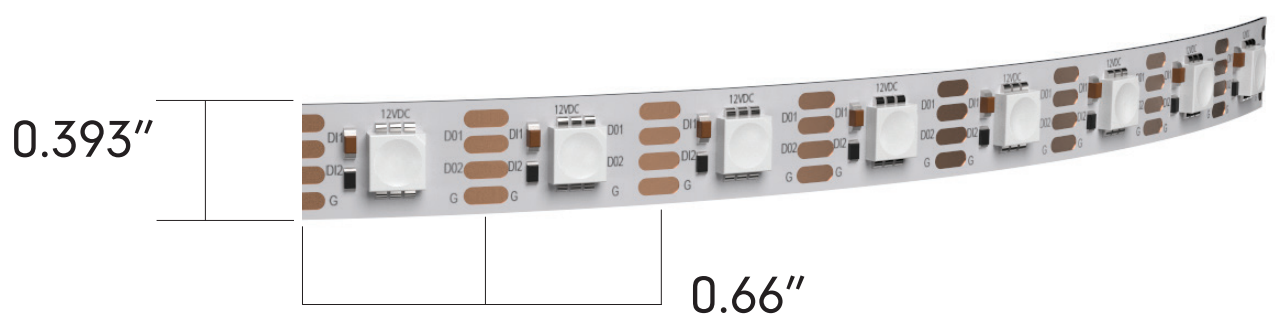




Project: _____ Type: _____

- 3 Channel system
- Addressable LED pixels, suitable for stage, entertainment and architectural applications
- 18 LEDs per foot
- 18 Pixels per foot
- 0.66" Cutting increments
- 3M VHB double sided tape on the back
- Small pitch LED
- 1 pixel per LED for high resolution color changing effect, suitable for media display
- 12VDC 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
- 5 Year warranty

Dimensions



Order Specification Guide

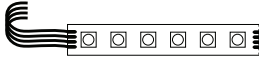
PRODUCT CODE	VERSION	INSTALL	LED TYPE	VOLTAGE
TPLFS	PX	I	RGB	12
TPLFS = Fuse Tape	PX = Pixel	I = Indoor	RGB = Red, Green, Blue Color Mixing	12 = 12V DC

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)

Specifications

Output	
LED Channels	Red / Green / Blue
Lumens (lm/ft)	127 (all colors fully on)
Wavelength	Red (620nm-625nm), Green (527nm-532nm), Blue (470nm-475nm)
Electrical	
Input Voltage	12V DC
Power Consumption (W/ft)	3.66
Maximum Run	20'
Control	
Control System	SPI
Control IC#	GS8208
Address Setting	Auto
Physical	
Dimensions	0.393" (10mm)
LED	5050
Cut Increment	0.66" (16.76mm)
LED/ft	18
Copper Trace	3 Ounce
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

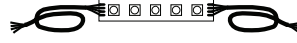
Power Leads and Jumpers (Installed by Tivoli's certified solderers)



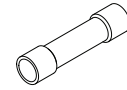
TPL-I-LEAD-4-C
LEAD/END
24" standard 4 conductor
22AWG lead wire factory
attached to one end of tape



TPL-I-LEAD-4-D
LEAD/LEAD
24" standard 4 conductor
22AWG lead wire factory
attached to both ends of tape

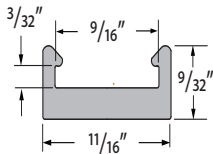


TPL-I-XEP-4
EXTRA LEAD WIRE
Additional factory attached
22AWG lead 4 wire to extend
lengths of LEAD-C and LEAD-D
up to 20 ft. max
Sold per foot

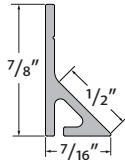


TPL-I-CONN
18-22AWG BUTT CONNECTORS
Used to interconnect factory
attached lead wires.
Sold individually.

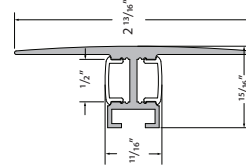
Compatible Extrusions



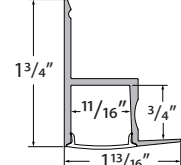
MCHAN-8-LP
Low profile NO LENS OPTION
clear polycarbonate, length 8'



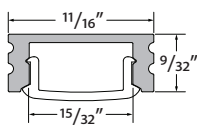
TPL-I-45-MCH-8-S
White PVC, 45° NO LENS
length 8'



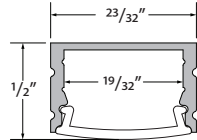
DWAR-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



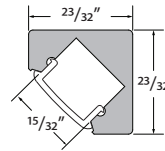
EDGE-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



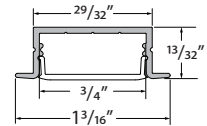
MINI-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



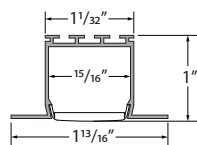
MINI-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



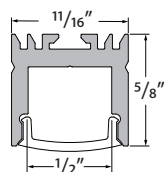
DYER-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



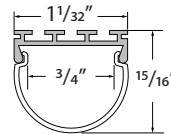
WRNR-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



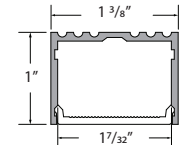
NOYS-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths



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

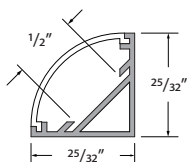


DOME-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths

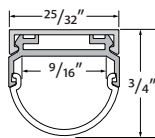


ALTN-CHAN-SLV-6.5
Anodized Aluminum Extrusion,
available in 6.5' lengths

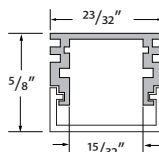
Compatible Extrusions



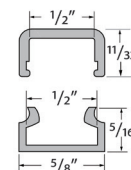
MRS-CHAN-SLV-6.5
Anodized aluminum extrusion available in 6.5' length



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

Controls



ARTNET-S-8-512
8 port universe Artnet to DMX interface, 4096 DMX channels
Programmable for playback and live support
(Online or Offline option)



MDRX-AURA-XX
X = 02, 08, 32 (ports)
MADRIX Luna 2, 8, 32 port universe Artnet to DMX interface. Programmable for playback and live support
(Online or Offline option)



MDRX-NBLA-08
Up to 8 universes. SPI decoder receives control over ethernet network or USB delivering zero lag to your fixture



ARTNET-S-X-SPI
X = 4 (4 port), 8 (8 port)
Artnet to SPI interface. Programmable for playback and live support
(Online or Offline option)

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

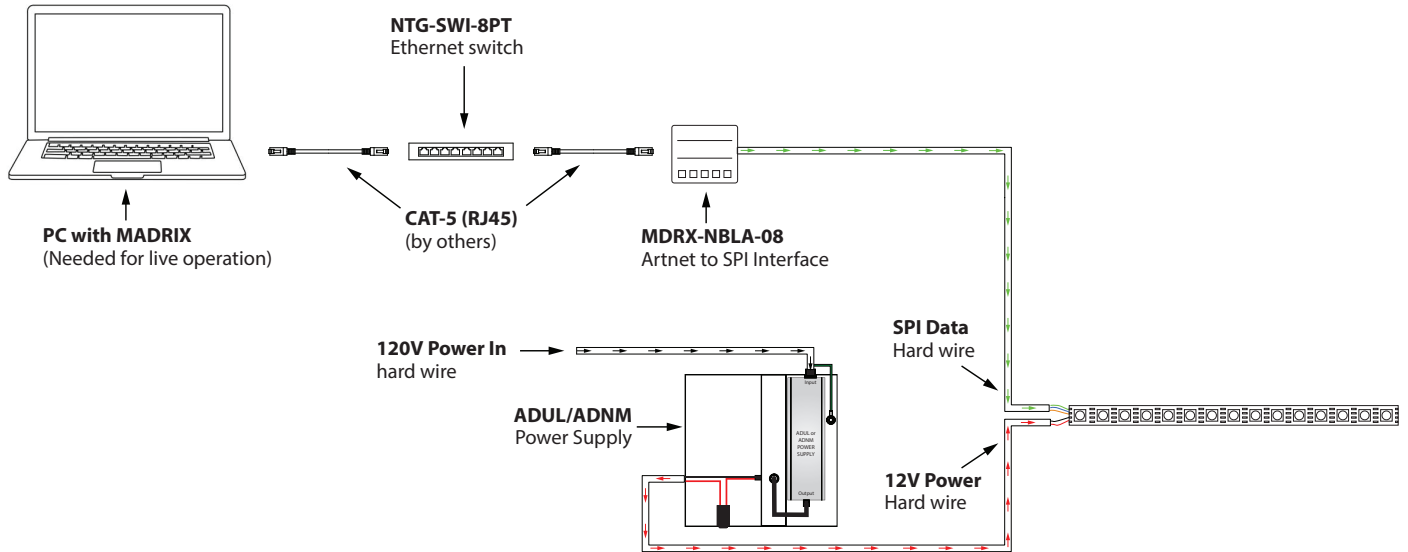


DMX3-CAT5-ADPTR
DMX adapter
3-pin XLR female to RJ45

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

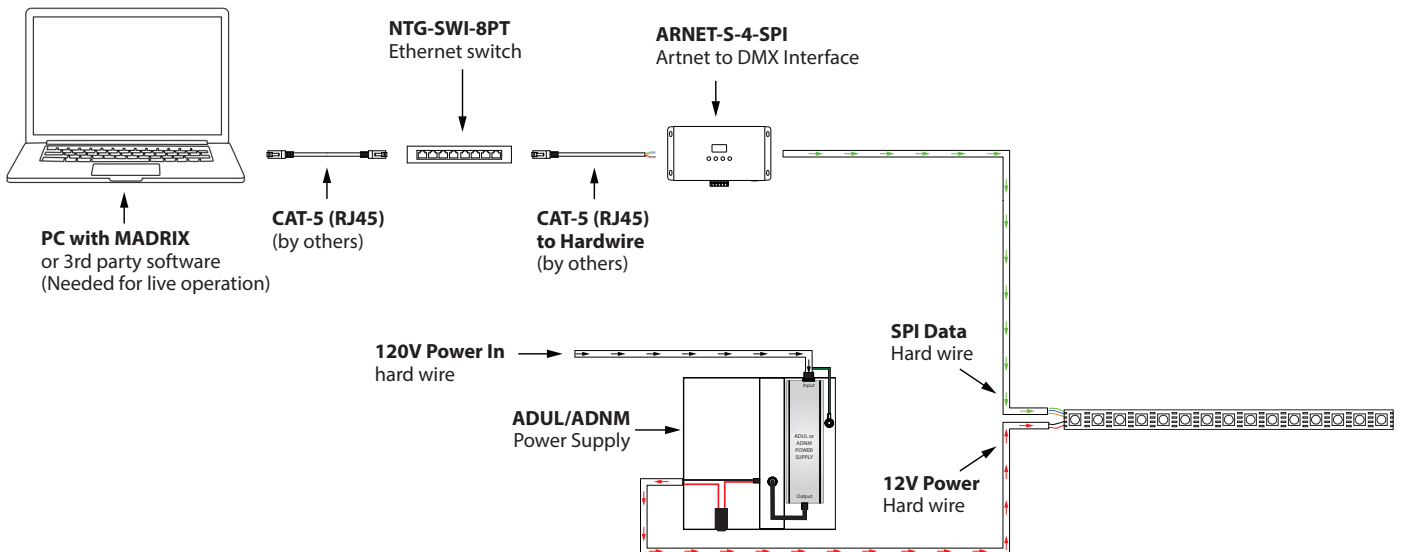
MDRX-NBLA (Live)

This is a live control performance setup using the MDRX-NBLA-XX 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)

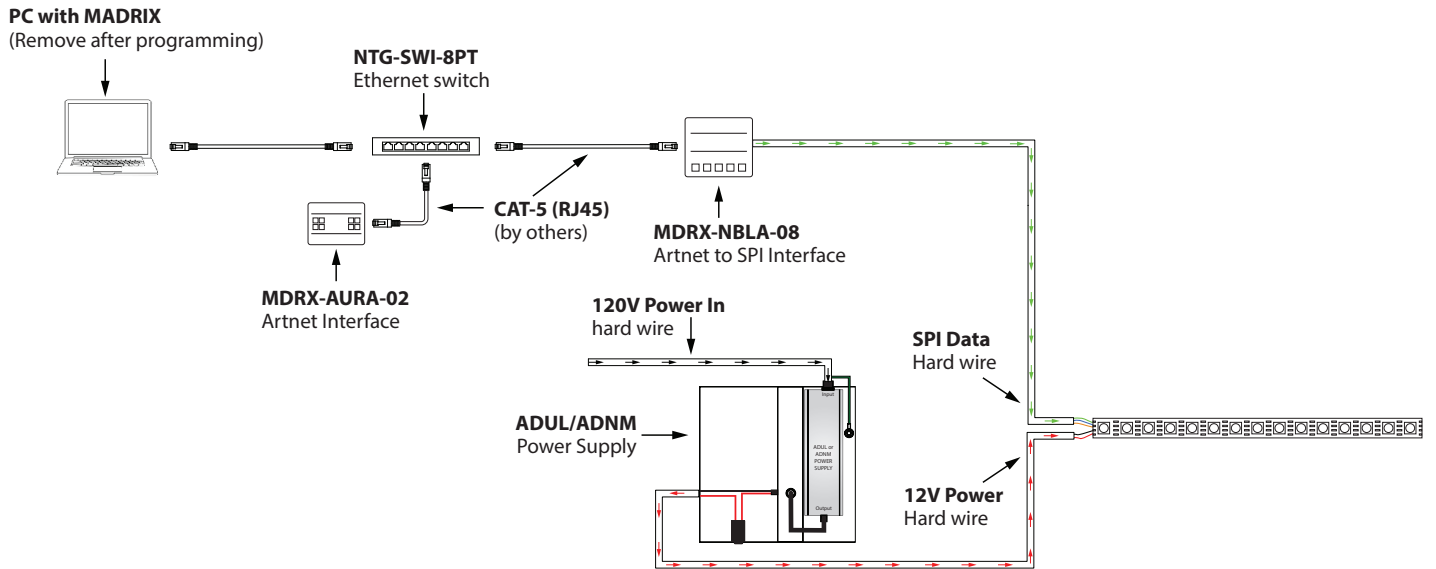
This is a live control performance setup using the ARTNET-S-X-SPI interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Magic Tape.



Data Operation & Wiring Diagram Artnet to SPI OFF-LINE operation

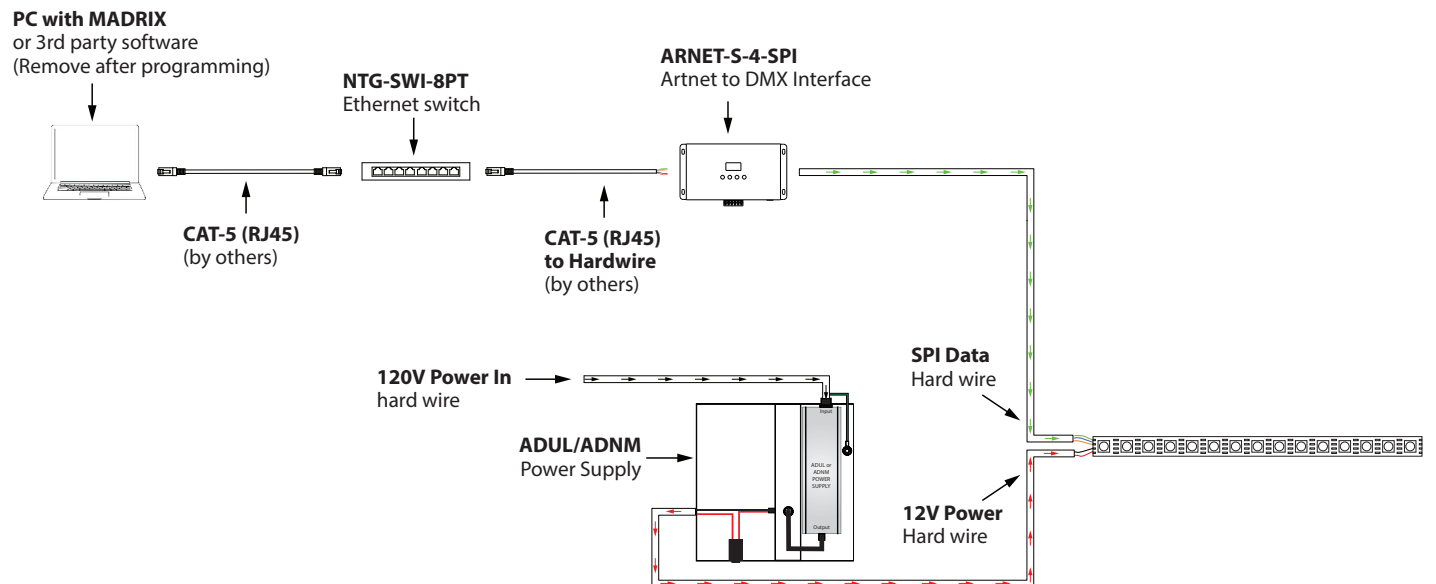
MDRX-AURA (Preset)

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 hardware to control playback. Please refer to the AURA specification for setup/record information.



ARTNET-S (Preset)

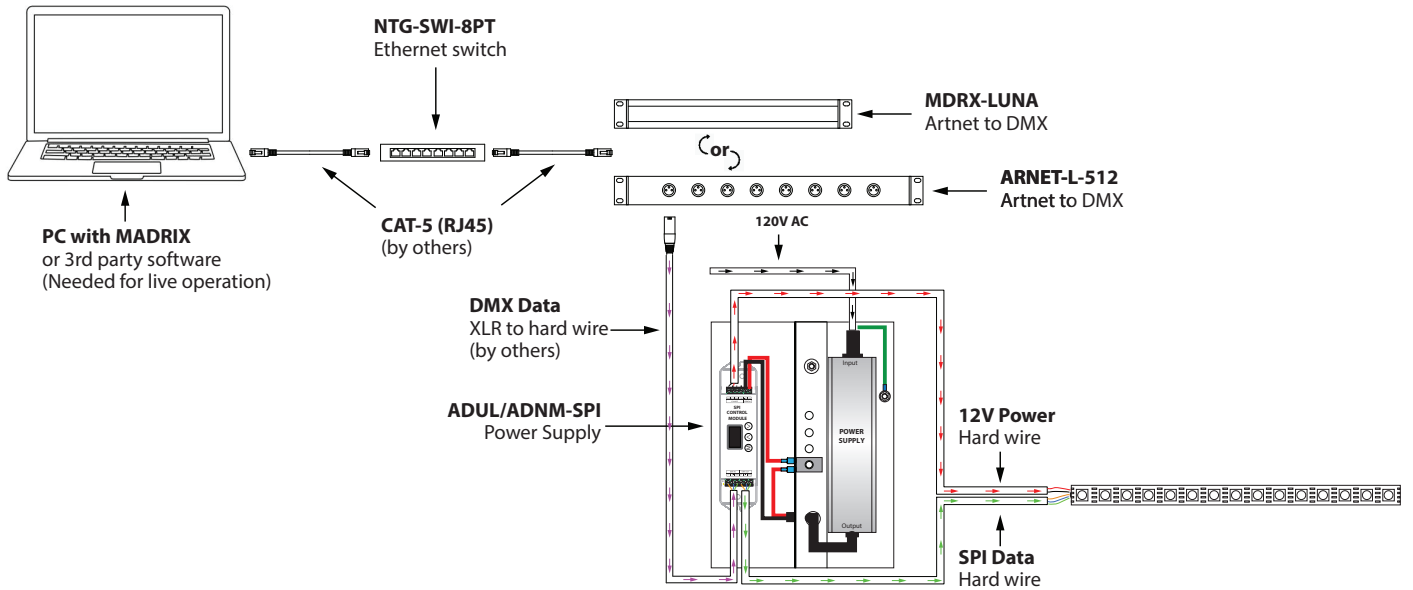
A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to ARTNET-S hardware via lighting software, PC/network can be removed from the system using only the ARTNET-S hardware to control playback. Please refer to the ARTNET-S specification for setup/record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



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

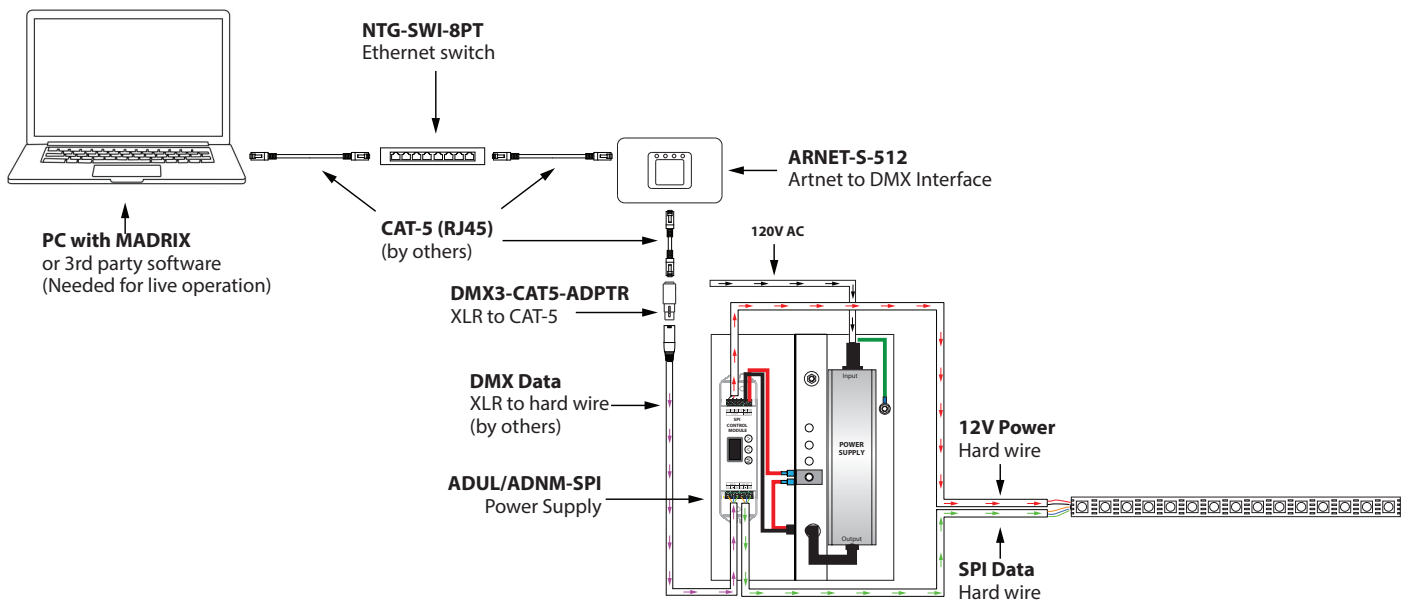
MDRX-LUNA or ARTNET-L (Live)

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)

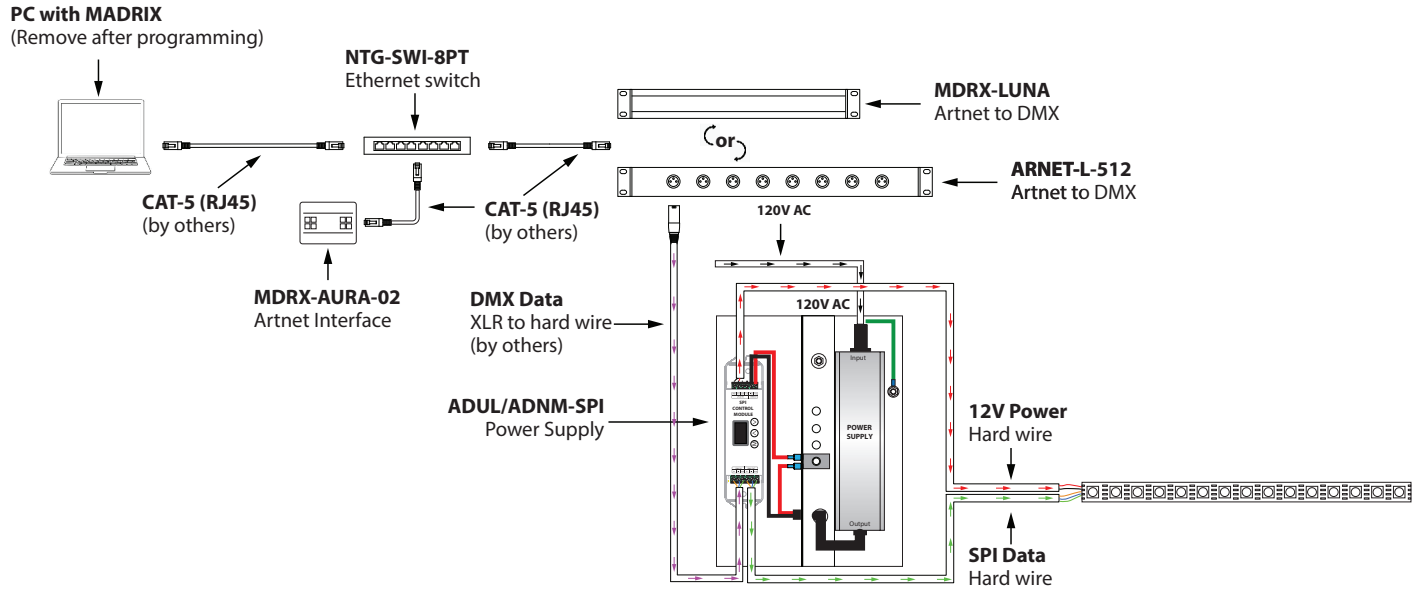
This is a live control performance setup using the ARTNET-S-X-512 interface. Widely used for concerts or performance-based manipulation. Use of a live network is necessary for communication between MADRIX 5 software and Magic Tape.



Data Operation & Wiring Diagram DMX to SPI OFF-LINE operation

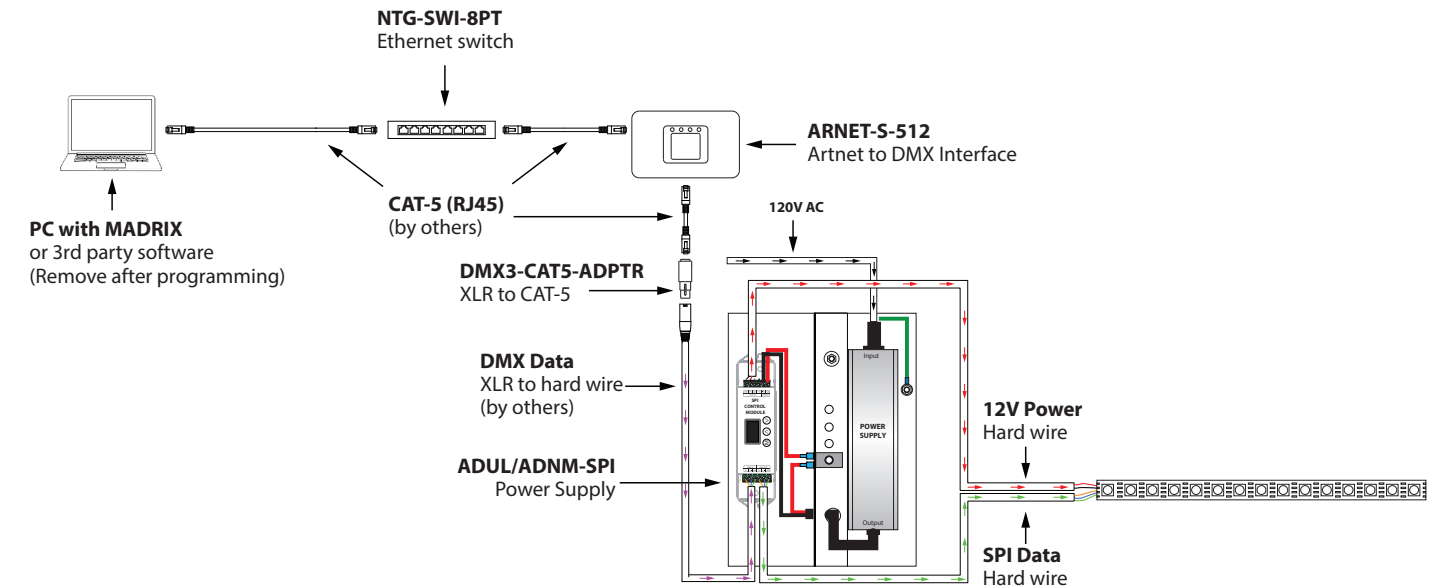
MDRX-LUNA or ARTNET-L (Preset)

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.

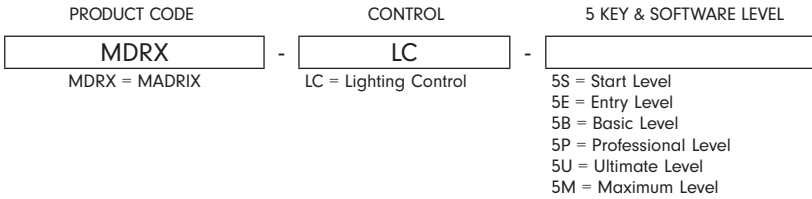


ARTNET-S (Preset)

A stand-alone system with no need for support via network/software (MADRIX 5). Once scene playback is saved to ARTNET-S-X512 hardware via lighting software, PC/network can be removed from the system using only the ARTNET-S-X512 to control playback. Please refer to the ARTNET-S-512 specification for setup and 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 Indoor

ADUL - SPI CONTROL

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-60-1-5-12-SPI	Indoor or Damp	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-SPI-2				2	2x60W	2x5A
	ADUL-240-3-5-12-SPI-3				3	3x60W	3x5A
	ADUL-320-4-5-12-SPI-4				4	4x60W	4x5A

ADUL - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADUL Series Class 2 Transformer	ADUL-80-1-5-12-D	Outdoor or Indoor	100-277V AC 50/60 HZ	12V DC	1	60W	5A
	ADUL-150-2-5-12-D				2	2x60W	2x5A
	ADUL-240-3-5-12-D				3	3x60W	3x5A
	ADUL-320-4-5-12-D				4	4x60W	4x5A



Power Supplies Outdoor / Indoor

ADNM - SPI CONTROL

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-SPI	Outdoor or Indoor	100-277V AC 5% HZ	12V DC	1	60W	5A
	ADNM-150-2-5-12-SPI-2				2	2x60W	2x5A
	ADNM-240-3-5-12-SPI-3				3	3x60W	3x5A
	ADNM-320-4-5-12-SPI-4				4	4x60W	4x5A

ADNM - NON DIMMING

DESCRIPTION	CAT NO	APPLICATION	PRIMARY VOLTAGE	SECONDARY VOLTAGE	CIRCUIT BREAKERS	MAX LOAD	CIRCUIT CAPACITY
ADNM Series Class 2 Transformer	ADNM-60-1-5-12-D	Outdoor or Indoor	100-277V AC 5% HZ	12V DC	1	60W	5A
	ADNM-80-1-5-12-D				1	80W	5A
	ADNM-150-2-5-12-D				2	2x60W	2x5A
	ADNM-240-3-5-12-D				3	3x60W	3x5A
	ADNM-320-4-5-12-D				4	4x60W	4x5A