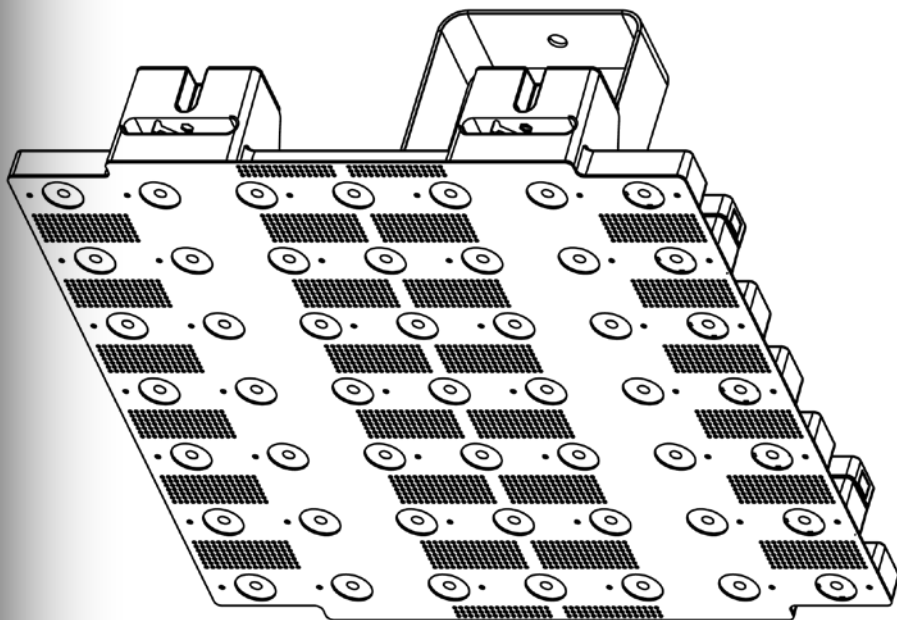


NEXUS™ Aw 7x7

Quick Reference Guide



About this Guide The NEXUS™ Aw 7x7 Quick Reference Guide (QRG) has basic product information such as connection, mounting, menu options, and DMX values. Download the User Manual from www.chauvetpro.com for more details.

Disclaimer The information and specifications contained in this QRG are subject to change without notice.

- Safety Notes**
- DO NOT open this product. It contains no user-serviceable parts.
 - DO NOT look at the light source when the product is on.
 - CAUTION: This product's housing may be hot when lights are operating.
 - Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - DO NOT leave any flammable material within 50 cm of this product while operating or connected to power.
 - USE a safety cable when mounting this product overhead.
 - DO NOT hang product using only the coffin locks.
 - DO NOT operate this product outdoors or in any location where dust, excessive heat, water, or humidity may affect it.(IP40)
 - DO NOT operate this product if the housing, lenses, or cables appear damaged.
 - DO NOT connect this product to a dimmer or rheostat.
 - ONLY connect this product to a grounded and protected circuit.
 - ONLY use the hanging/mounting bracket to carry this product.
 - In the event of a serious operating problem, stop using immediately.
 - The maximum ambient temperature is 113° F (45° C). Do not operate this product at higher temperatures.

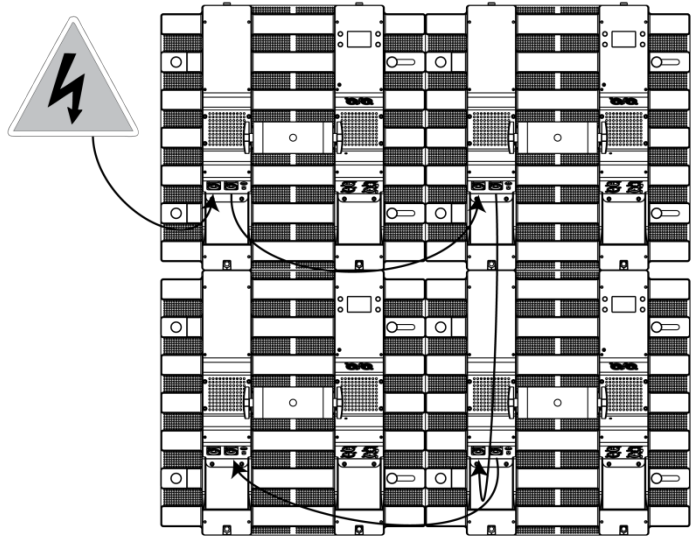
Contact Outside the U.S., United Kingdom, Ireland, or Mexico contact your distributor to request support or return a product. Visit www.chauvetpro.com for contact information.

- What Is Included**
- NEXUS™ Aw 7x7
 - Neutrik® powerCON® power cord
 - 8 mm Allen Key
 - Warranty Card
 - Quick Reference Guide

AC Power This product has an auto-ranging power supply that can work with an input voltage range of 100~240 VAC, 50/60 Hz.

Power Linking You can link up to 7 NEXUS™ Aw 7x7 products at 120 V, 12 products at 208 V, or 13 products at 230 V. Never exceed this number. Power linking cords can be purchased separately.

Power Linking
Diagram



AC Plug

Connection	Wire (U.S.)	Wire (Europe)	Screw Color
AC Live	Black	Brown	Yellow/Brass
AC Neutral	White	Blue	Silver
AC Ground	Green/Yellow	Green/Yellow	Green

Replacing the Fuse

1. Disconnect this product from power.
2. Using a flat-head screwdriver, unscrew the fuse holder cap from the housing.
3. Remove blown fuse and replace with a good fuse of the same type and rating.
4. Screw the fuse holder cap back in place and reconnect power.

DMX Linking

The NEXUS™ Aw 7x7 will work with a DMX controller using a regular DMX serial connection. A DMX Primer is available from www.chauvetpro.com.

DMX Connection

The NEXUS™ Aw 7x7 uses a regular DMX data for its DMX personalities: **5**, **49**, and **54**. See the User Manual to connect and configure for DMX operation.

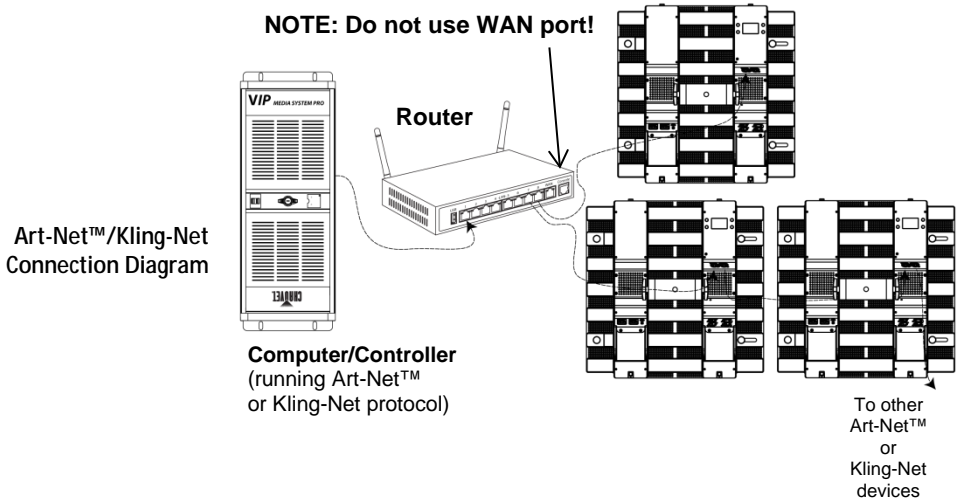
Master/Slave Connection

The NEXUS™ Aw 7x7 uses the DMX data connection for its Master/Slave mode. See the User Manual to connect and configure for Master/Slave operation.

Art-Net™ Connection Art-Net™ is an Ethernet protocol that uses TCP/IP to transfer large amounts of DMX512 data over a network. Art-Net™ uses the Neutrik® etherCON® RJ45 connection. An Art-Net™ Primer is available from www.chauvetpro.com. Art-Net™ Designed by and Copyright Alderamin Group Ltd.

Kling-Net Connection Kling-Net is a network protocol to allow auto configuration of display devices over ethernet. Kling-Net uses the Neutrik® etherCON® connection. Refer to the ArKaos MediaMaster™ software manual for detailed instructions on installing and programming this product using this protocol.

NOTE: Do not use WAN port!



Factory Reset This procedure allows you to reset the product to its original factory settings.

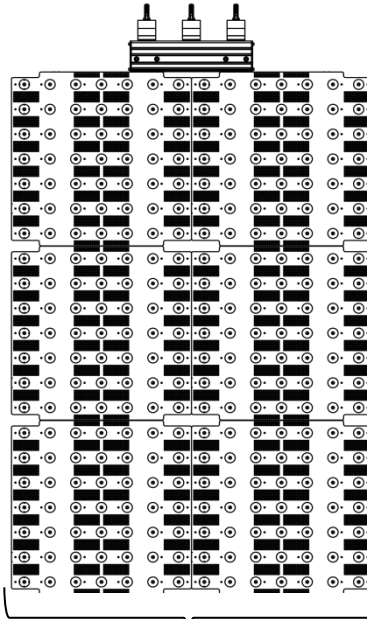
1. Unplug the NEXUS™ Aw 7x7 from power.
2. Press and hold <MENU/ESC> and <ENTER> simultaneously while plugging the NEXUS™ Aw 7x7 back into power.
3. Release <MENU/ESC> and <ENTER>.

Mounting The NEXUS™ Aw 7x7 may be mounted in almost any orientation. You can hang up to 16 panels vertically using an optional rig kit that can be purchased separately from Chauvet® or 4 panels vertically by using the secondary yoke. Attach the rest of the panels using the coffin locks at the top and bottom of each panel. Please note that the horizontal alignment hardware is not weight bearing and should not be used to support the panel.

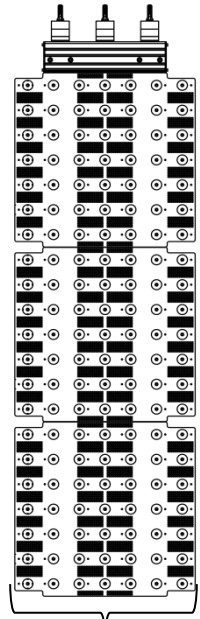


DO NOT hang product horizontally using only the horizontal alignment hardware.

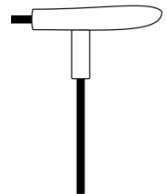
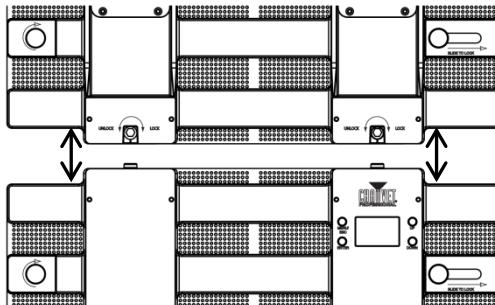
Product Mounting Diagram using the optional Affinity™ Rig Kit



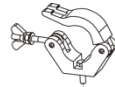
Connect up to 16 Panels Vertically (rows of 2)



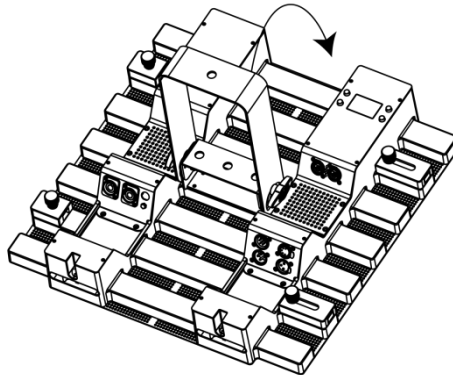
Connect up to 16 Panels Vertically (Single Column)



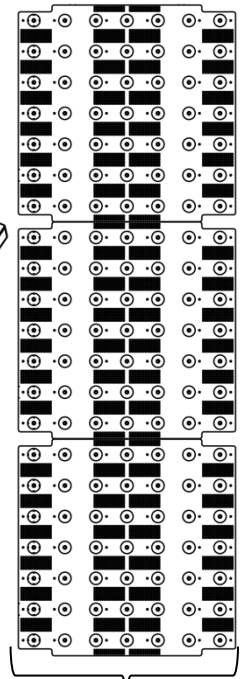
8 mm Allen Key



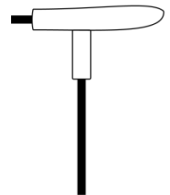
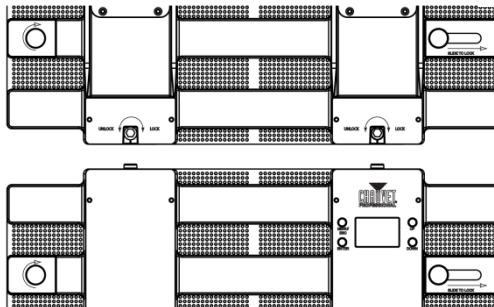
Position the yoke so that the mounting hole is at the top



Product Mounting Diagram using the Secondary Yoke



Connect up to 4 Panels Vertically (Single Column)



8 mm Allen Key

Control Panel Description

Button	Function
<MENU/ESC>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value into the selected function
<UP>	Navigates upwards through the menu list and increases the numeric value when in a function
<DOWN>	Navigates downwards through the menu list and decreases the numeric value when in a function

Menu Options

Main Level	Programming Levels		Description		
Auto Show	Auto 0–8	Show Speed 000–100	9 automatic programs		
Static	Dimmer	000–255	000–100%		
	Strobe		Selects the strobe frequency (0–20 Hz)		
Dimmer Mode	Off		Dimming curve		
	Dimmer 1–3				
Back Lite	On		Sets the amount of time control panel backlight stays on		
	10S				
	20S				
	30S				
Information	Auto Test		Sets product in test mode		
	Fixture Hours		Shows the amount of time the product has been in use		
	Version		Shows the software version installed		
	IP Address		Shows the products IP address		
DMX Address	Device ID		Shows the products ID number		
	001–512		Sets products DMX Address/Art-Net™ start channel		
DMX Channel	5Ch		5-Channel mode		
	49Ch		49-Channel mode		
	54Ch		54-Channel mode		
Master/Slave	Master		Selects Master mode		
	Slave		Selects Slave mode		
Temperature			Shows the product's internal temperature		
Ethernet Settings	Protocol	Kling-Net		Product uses Kling-Net protocols	
		Art-Net	DHCP	Router provides the IP address	
			Static	Uses the product's pre-configured IP address	
				Manual	Enter the IP address manually
			Net	000–127	For use with consoles running Art-Net™ 3
			Subnet	00–15	For use when addressing Art-Net™
			Universe		
		Start Channel	001–512		

DMX Values

54Ch	Channel	Function	Value	Percent/Setting
	1	White 1	000 ∘ 255	0–100%
	2	White 2	000 ∘ 255	0–100%
	3	White 3	000 ∘ 255	0–100%
	4	White 4	000 ∘ 255	0–100%
	5	White 5	000 ∘ 255	0–100%
	6	White 6	000 ∘ 255	0–100%
	7	White 7	000 ∘ 255	0–100%
	8	White 8	000 ∘ 255	0–100%
	9	White 9	000 ∘ 255	0–100%
	10	White 10	000 ∘ 255	0–100%
	11	White 11	000 ∘ 255	0–100%
	12	White 12	000 ∘ 255	0–100%
	13	White 13	000 ∘ 255	0–100%
	14	White 14	000 ∘ 255	0–100%
	15	White 15	000 ∘ 255	0–100%
	16	White 16	000 ∘ 255	0–100%
	17	White 17	000 ∘ 255	0–100%
	18	White 18	000 ∘ 255	0–100%
	19	White 19	000 ∘ 255	0–100%
	20	White 20	000 ∘ 255	0–100%
	21	White 21	000 ∘ 255	0–100%
	22	White 22	000 ∘ 255	0–100%
	23	White 23	000 ∘ 255	0–100%
	24	White 24	000 ∘ 255	0–100%
	25	White 25	000 ∘ 255	0–100%
	26	White 26	000 ∘ 255	0–100%
	27	White 27	000 ∘ 255	0–100%
	28	White 28	000 ∘ 255	0–100%
	29	White 29	000 ∘ 255	0–100%
	30	White 30	000 ∘ 255	0–100%
	31	White 31	000 ∘ 255	0–100%
	32	White 32	000 ∘ 255	0–100%
	33	White 33	000 ∘ 255	0–100%
	34	White 34	000 ∘ 255	0–100%
	35	White 35	000 ∘ 255	0–100%
	36	White 36	000 ∘ 255	0–100%
	37	White 37	000 ∘ 255	0–100%
	38	White 38	000 ∘ 255	0–100%
	39	White 39	000 ∘ 255	0–100%
	40	White 40	000 ∘ 255	0–100%
	41	White 41	000 ∘ 255	0–100%
	42	White 42	000 ∘ 255	0–100%
	43	White 43	000 ∘ 255	0–100%
	44	White 44	000 ∘ 255	0–100%
	45	White 45	000 ∘ 255	0–100%
	46	White 46	000 ∘ 255	0–100%
	47	White 47	000 ∘ 255	0–100%
	48	White 48	000 ∘ 255	0–100%
	49	White 49	000 ∘ 255	0–100%

DMX Values (cont.)

54Ch (cont.)	Channel	Function	Value	Percent/Setting
50	Auto Programs	000 ∘ 010	No function	
		011 ∘ 038	Auto 1	
		039 ∘ 066	Auto 2	
		067 ∘ 094	Auto 3	
		095 ∘ 122	Auto 4	
		123 ∘ 150	Auto 5	
		151 ∘ 178	Auto 6	
		179 ∘ 206	Auto 7	
		207 ∘ 234	Auto 8	
		235 ∘ 255	Auto 0	
51	Auto Speed	000 ∘ 255	Only when CH. 50 has Auto 0–8 activated	
52	Dimmer	000 ∘ 255	0–100%	
53	Shutter	000 ∘ 010	No function	
		011 ∘ 255	0–20 Hz	
54	Dim Mode	000 ∘ 051	Preset dimmer speed from display menu	
		052 ∘ 101	Linear dimmer	
		102 ∘ 152	Nonlinear dimming curve 1 (fastest)	
		153 ∘ 203	Nonlinear dimming curve 2	
204 ∘ 255	Nonlinear dimming curve 3 (slowest)			

DMX Values (cont.)

49Ch	Channel	Function	Value	Percent/Setting
	1	White 1	000 ∘ 255	0–100%
	2	White 2	000 ∘ 255	0–100%
	3	White 3	000 ∘ 255	0–100%
	4	White 4	000 ∘ 255	0–100%
	5	White 5	000 ∘ 255	0–100%
	6	White 6	000 ∘ 255	0–100%
	7	White 7	000 ∘ 255	0–100%
	8	White 8	000 ∘ 255	0–100%
	9	White 9	000 ∘ 255	0–100%
	10	White 10	000 ∘ 255	0–100%
	11	White 11	000 ∘ 255	0–100%
	12	White 12	000 ∘ 255	0–100%
	13	White 13	000 ∘ 255	0–100%
	14	White 14	000 ∘ 255	0–100%
	15	White 15	000 ∘ 255	0–100%
	16	White 16	000 ∘ 255	0–100%
	17	White 17	000 ∘ 255	0–100%
	18	White 18	000 ∘ 255	0–100%
	19	White 19	000 ∘ 255	0–100%
	20	White 20	000 ∘ 255	0–100%
	21	White 21	000 ∘ 255	0–100%
	22	White 22	000 ∘ 255	0–100%
	23	White 23	000 ∘ 255	0–100%
	24	White 24	000 ∘ 255	0–100%
	25	White 25	000 ∘ 255	0–100%
	26	White 26	000 ∘ 255	0–100%
	27	White 27	000 ∘ 255	0–100%
	28	White 28	000 ∘ 255	0–100%
	29	White 29	000 ∘ 255	0–100%
	30	White 30	000 ∘ 255	0–100%
	31	White 31	000 ∘ 255	0–100%
	32	White 32	000 ∘ 255	0–100%
	33	White 33	000 ∘ 255	0–100%
	34	White 34	000 ∘ 255	0–100%
	35	White 35	000 ∘ 255	0–100%
	36	White 36	000 ∘ 255	0–100%
	37	White 37	000 ∘ 255	0–100%
	38	White 38	000 ∘ 255	0–100%
	39	White 39	000 ∘ 255	0–100%
	40	White 40	000 ∘ 255	0–100%
	41	White 41	000 ∘ 255	0–100%
	42	White 42	000 ∘ 255	0–100%
	43	White 43	000 ∘ 255	0–100%
	44	White 44	000 ∘ 255	0–100%
	45	White 45	000 ∘ 255	0–100%
	46	White 46	000 ∘ 255	0–100%
	47	White 47	000 ∘ 255	0–100%
	48	White 48	000 ∘ 255	0–100%
	49	White 49	000 ∘ 255	0–100%

DMX Values (cont.)

5Ch	Channel	Function	Value	Percent/Setting
	1	Dimmer	000 ∘ 255	0–100%
	2	Strobe	000 ∘ 010 011 ∘ 255	No function 0–20 Hz
	3	Auto Programs	000 ∘ 010 011 ∘ 038 039 ∘ 066 067 ∘ 094 095 ∘ 122 123 ∘ 150 151 ∘ 178 179 ∘ 206 207 ∘ 234 235 ∘ 255	No function Auto 1 Auto 2 Auto 3 Auto 4 Auto 5 Auto 6 Auto 7 Auto 8 Auto 0
	4	Auto Speed	000 ∘ 255	Only when CH. 3 has Auto 0–8 activated
	5	Dimmer Speed	000 ∘ 051 052 ∘ 101 102 ∘ 152 153 ∘ 203 204 ∘ 255	Preset dimmer speed from display menu Linear dimmer Nonlinear dimming curve 1 (fastest) Nonlinear dimming curve 2 Nonlinear dimming curve 3 (slowest)

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