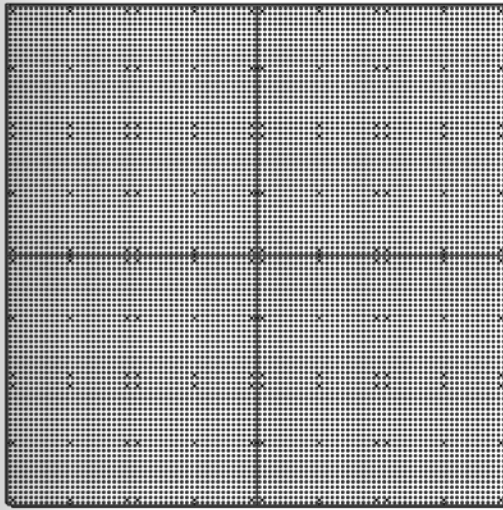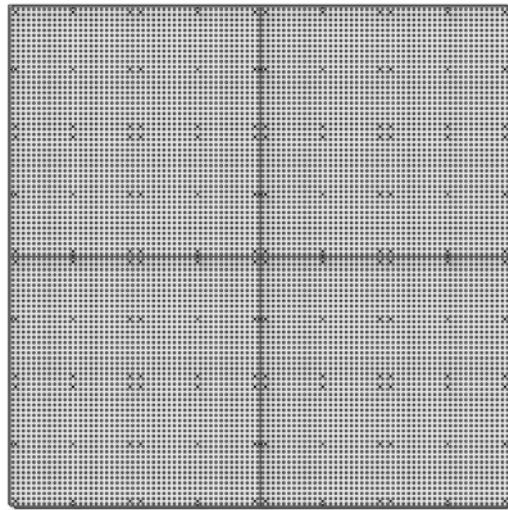# PVP™

Series

User Manual

S5

S7

CHAUVET
PROFESSIONAL
It's Green Thinking.

Edition Notes

This User Manual covers the description, safety precautions, setup, installation, operation, and maintenance for all Precision Video Panels offered by CHAUVET®. This edition was published in March 2014.

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For best results, print this document in color, on letter size paper (8.5 x 11 inches), double sided. If using A4 paper (210 x 297 mm), configure your printer to scale the content accordingly.

Disclaimer

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Document Revision

The PVP™ Series User Manual, Rev. 3, supersedes all previous versions of this manual. Please discard any older versions of this manual you may have, whether in printed or electronic format, and replace them with this version.

Author	Date	Editor	Date
A. Leon	3/7/14	D. Couppe	3/7/14

Table of Contents

1. Before You Begin

What Is Included

· 2 or 8 PVP™ (Precision Video Panels) models S5 or S7
· Neutrik® powerCON® Power input cable 6 ft (1.83 m)
 o Included with 8-pack only
· Neutrik® etherCON® Signal Cables 2.46 ft (0.75 m)
 o 2 or 8 cables based on the number of PVPs included
· Neutrik® powerCON® Power Cable 2.46 ft (0.75 m)
 o 2 or 8 cables based on the number of PVPs included
· Flight Case (2 or 8-pack based on the number of PVPs included)
· Warranty Card
· User Manual

Unpacking Instructions

Immediately upon receiving this product, carefully unpack and check the container. Make sure you have received all the parts indicated above in good condition.

Claims

Upon receipt, if the container or the contents (the product and included accessories) appear damaged from shipping, or show signs of mishandling, notify the carrier immediately, not CHAUVET®. Failure to do so in a timely manner may invalidate your claim with the carrier. In addition, keep the container and all the packing material for inspection.

For other issues such as missing components or parts, damage not related to shipping, or concealed damage, file a claim with CHAUVET® within 7 days of receiving the merchandise.

Manual Conventions

Convention	Meaning
1–512	A range of values in the text
50/60	A set of mutually exclusive values in the text
<SET>	A button on the product's control panel
Settings	A product function or a menu option
MENU>Settings	A sequence of menu options
1–10	A range of menu values from which to choose in a menu
Yes/No	A set of two mutually exclusive menu options in a menu
ON	A unique value to be entered or selected in a menu

Symbols

Symbols	Meaning
⚠	Critical installation, configuration, or operation information. Failure to comply with this information may cause the product not to work, damage third-party equipment, or cause harm to the operator.
ⓘ	Important installation or configuration information. Failure to comply with this information may keep the product from working.
📝	Useful information.

Safety Notes

Please read the following Safety Notes carefully before starting to work with the product. These notes provide important safety information about the installation, usage, and maintenance.

This product contains no user-serviceable parts. Any reference to servicing in this User Manual will only apply to properly trained CHAUVET® certified technicians. Do not open the housing or attempt any repairs.

If product is being used in a mobile or touring application, the VIP™ Media System must be mounted in a shock resistant (or shock mount) road case. This will help prevent damage to the hard drives.

Please refer to all applicable local codes and regulations for the proper installation of the product.

- Always connect the product to a grounded circuit to avoid the risk of electrocution.
- The product is rated IP50 and should only be used in environments meeting that criteria.
- When hanging the product, always secure to a fastening device using a safety cable.
- The maximum ambient temperature is 122 °F (50 °C). Do not operate the product at higher temperatures.
- Do not operate the product if you see damage on the housing, LED strips, or cables. In any of these cases, have the damaged parts replaced by an authorized technician.
- Do not open or modify the product.
- Make sure the product is connected to the proper voltage provided in this manual's specifications and/or the specification sticker on the product.
- Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact CHAUVET® Technical Support.

Any damages caused by manual modifications are not subject to warranty. CHAUVET® will not accept liability for any resulting damages caused by unauthorized modifications or not observing the safety warnings and instructions in the manual.

DO NOT mount this product outdoors! These panels do not allow wind to flow through them and will act like a sail.

In the unlikely event that your CHAUVET® product may require service, contact CHAUVET® Technical Support.

Expected LED Lifespan

LEDs gradually decline in brightness over time, mostly because of heat. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal, single LED conditions. For this reason, using clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. The electrical, thermal management design of the PVP™ panel is designed to provide the longest LED lifespan possible. Under normal operating conditions, this lifespan can be 50,000 hours or longer. If extending this lifespan is vital, lower the operational temperature by improving ventilation around the fixture and reducing the ambient temperature to an optimal operating range. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.

2. Introduction

Product Description

The PVP™ is a Precision Video Panel. The PVP™ series is part of the VIP™ line of video wall products and includes 2 models:

- PVP™ S5
- PVP™ S7

Each model is a video panel consisting of multiple SMD3528 tri-color LEDs. The number in each model name indicates the pixel pitch (distance, in millimeters, between the LEDs) of that model. When multiple panels are assembled and connected (signal and power), the entire configuration becomes a modular video wall design.

The outer dimensions of each panel are identical. The difference between each model is the vertical and horizontal spacing between the LEDs and the number of LED pixels. Both of these values determine the total number of LED pixels provided on each panel. Each pixel is one SMD3528 tri-color LED.

The aluminum alloy and stainless steel construction make the PVP™ reliable and solid, as well as easy to install and dismantle. Multiple panels can be assembled horizontally or vertically, and each model is interchangeable with the others. This flexibility provides numerous modular design possibilities.

The PVP™ video wall system is addressed using a PC and CHAUVET® LED Studio software. Refer to the CHAUVET® LED Studio User Manual for detailed information and instructions on using CHAUVET® LED Studio.

Features

- 5.2 mm (PVP™ S5) or 7.8 mm (PVP™ S7) pixel pitch video panel system featuring superb contrast through the use of blackface SMD3528 tri-color LEDs
- Tight binning of LEDs insures consistent color rendering across panels
- Easy installation and connectivity using Neutrik® powerCON® and etherCON® connectors
- Solid construction makes these a perfect product for long-term installation
- Interchangeable panels create large wall designs
- Tri-color SMD3528 LEDs provide better image quality and wider viewing angle
- Tight pixel pitch allows for equally effective close range and long-range viewing
- Designed for touring and permanent indoor installation
- Use with PVP™ Rigging Clamp or Rigging Bars and integrated, interlocking hardware for fast and easy setup

Additional Products

- VIP™ Driver (required)

Optional Accessories

- VIP™ Signal Distributor (required when using 25 PVP™s or more in your video wall)
- PVP™ Rigging Kit (required when vertically hanging panels from a truss or truss structure)

Available Signal and Power Cables (optional)

- Signal cables (Neutrik® etherCON® Signal Extensions)
  - MVPU-SIG5FT
  - MVPU-SIG10FT
  - MVPU-SIG25FT
- Power cables (Neutrik® powerCON® Extension)
  - PCEXT5FT
  - PCEXT10FT
  - PCEXT25FT
  - PCLEAD50FT

Product Overview: PVP™ S5 and PVP™ S7

Speego Male Connection

Service Access Latch

Signal In/Out

Power In

Threaded Mounting Hole Size M10 (4x)

SERVICE ACCESS

Signal

Power in

Power out

Signal

POWER
TEST
SIGNAL

Power Indicator LED

Signal LED

Test Button

Signal In/Out

Power Out

Speego Female connection
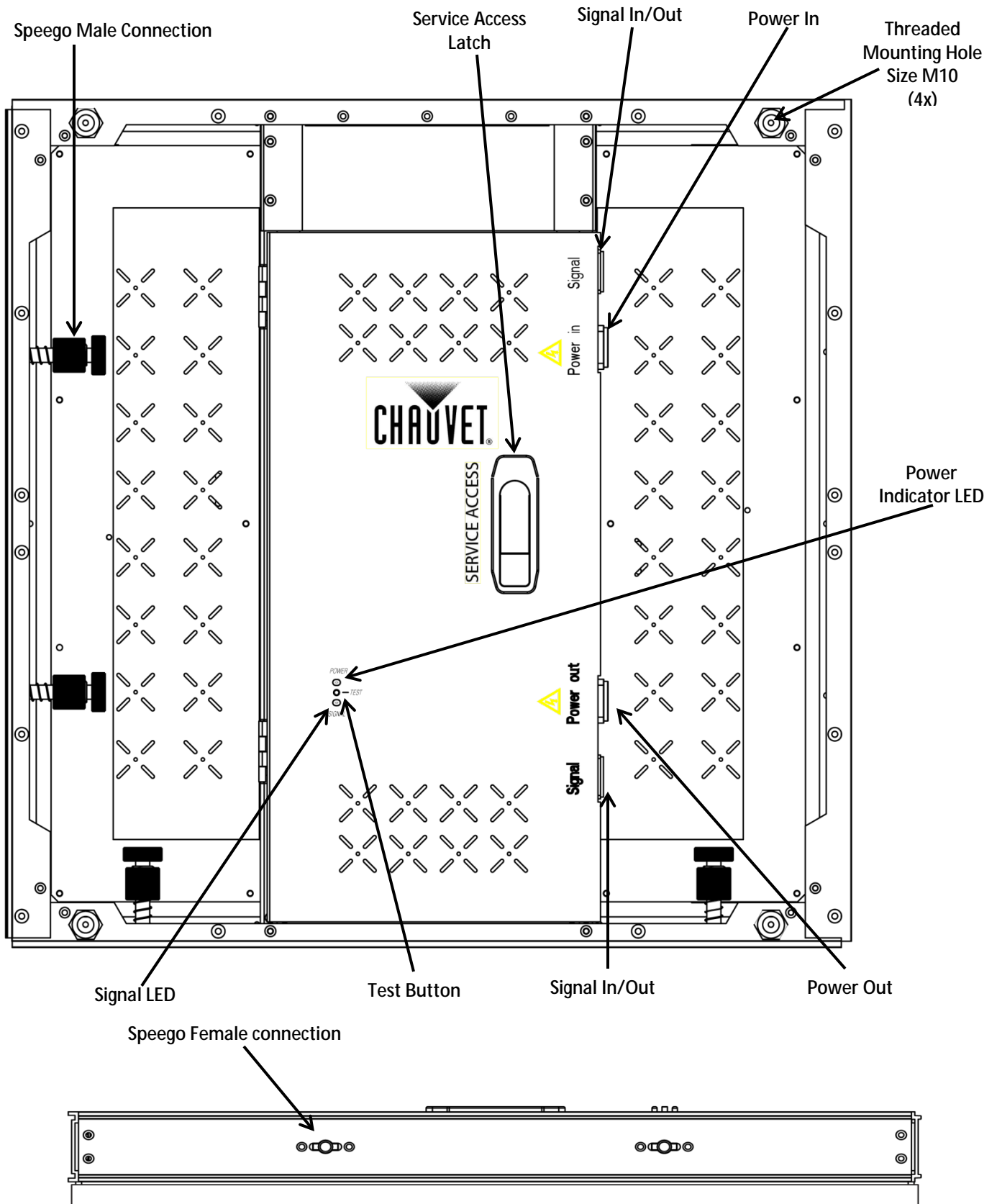
> The difference between each PVP™ model is the pixel pitch (space) between the LEDs and the number of pixels (LEDs) in each row and column. The basic housing and components are identical. Refer to the previous PVP™ illustration.

> Warning: Service Access Latch is for use by CHAUVET® authorized technicians only! Opening this will void the CHAUVET® warranty.

PVP™ S5

PVP™ S7

Product Dimensions

(i) **Each PVP™ model in the series has the same outside housing dimensions.**

19.7 in
(500 mm)

2.5 in
(63 mm)

19.7 in
(500 mm)

PVP™ Pixels Per Panel
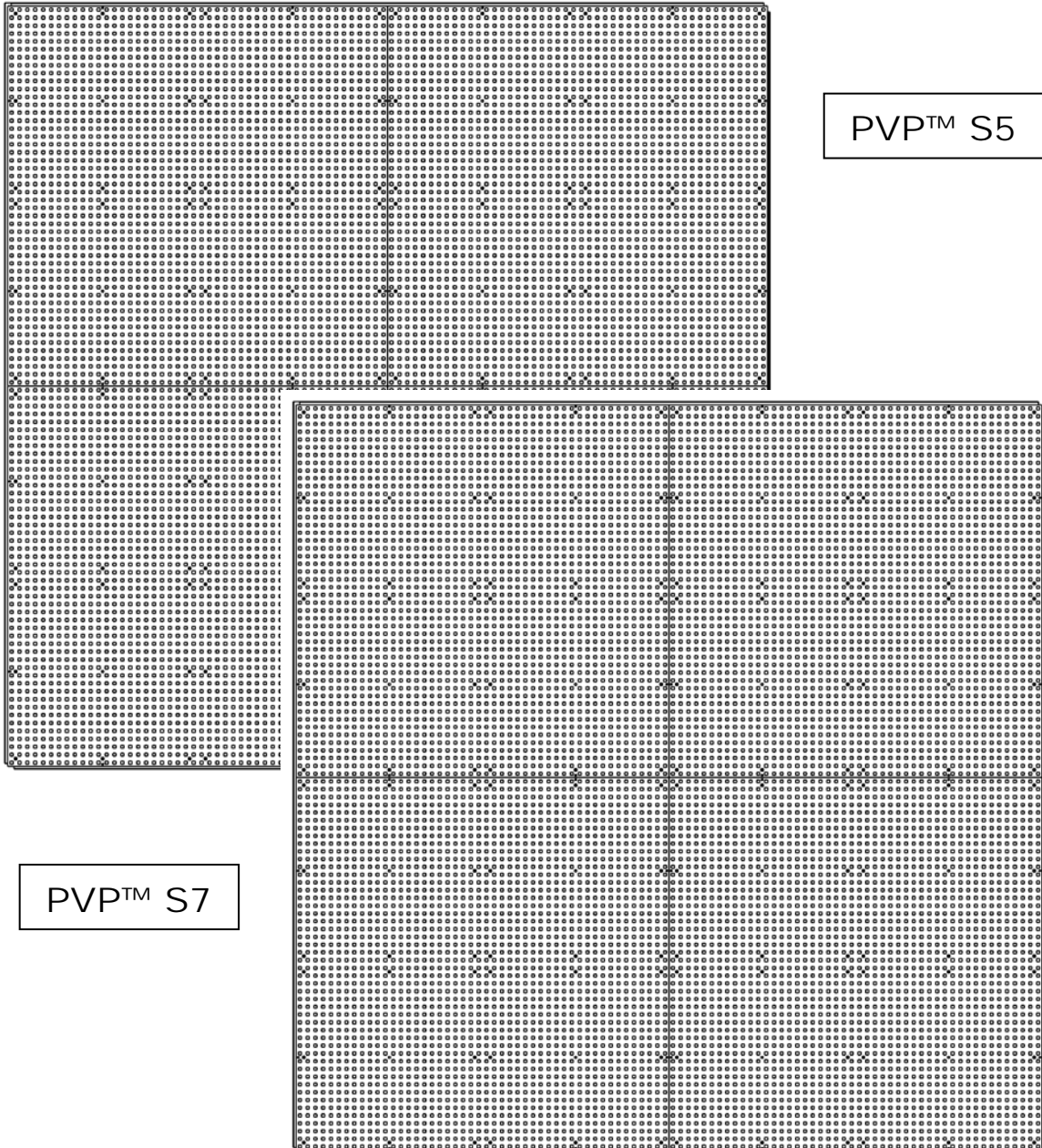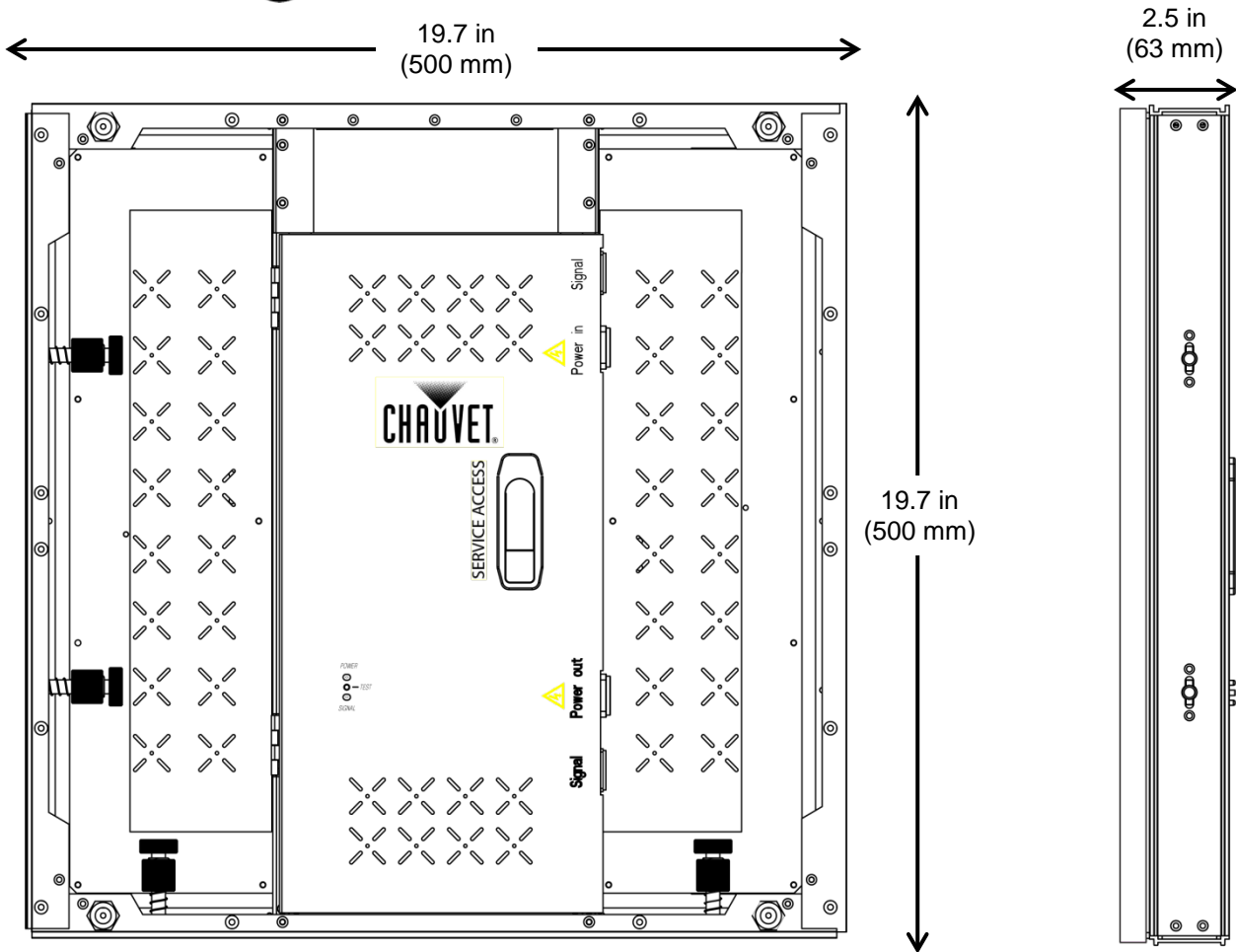
Although each PVP™ has the same outer dimensions, the LED pixels per panel vary. Each pixel is 1 SMD3528 tri-color LED. The following table provides the pixels per panel in each PVP™. The model number (i.e., S5) indicates the pixel pitch in millimeters between each light strip in that PVP™ model. For detailed specifications, refer to the Technical Specifications table at the end of this User Manual.

	PVP™ S5	PVP™ S7
Pixels per Panel	96 x 96	64 X 64
Total Pixels	9,216	4,096

(i) **You will use the number of pixels per panel and the screen resolution you would like to use for your video wall display to calculate the number of panels, horizontally and vertically, supported by a single VIP™ Driver. This Driver is required to operate a CHAUVET® VIP™ video wall system. Diagrams of how the PVP™ panels and the VIP™ Driver connect follow later in this manual. For detailed information about the VIP™ Driver and panel calculation examples, refer to the VIP™ Driver Quick Reference Guide.**

3. Setup

AC Power Each PVP™ has an auto-ranging power supply that works with an input voltage range of 100–240 VAC, 50/60 Hz. To determine the power requirements for each PVP™ in the series, refer to the label affixed to the product. You can also refer to the Technical Specifications chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, you may download Sizing Circuit Breakers from the CHAUVET® website: www.chauvetpro.com.

Always connect this product to a protected circuit with an appropriate electrical ground to avoid the risk of electrocution or fire.

Never connect this product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel serves only as a 0 to 100% switch.

AC Plug Each PVP™ comes with a power linking cord to connect power between panels; however, the power input cord is only included with the 8-pack flight case.

This cable has a powerCON® connector to connect to the PVP™ and an Edison plug for power input. Use the table below as a reference to wire a new plug.

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

Power Linking All panels in the PVP™ Series support power linking. Refer to the following table for specifications on each panel.

	PVP™ S5	PVP™ S7
@ 120 V, 60 Hz	9	16
@ 208 V, 60 Hz	16	27
@ 230 V, 50 Hz	18	28

Please refer to all applicable local codes and regulations for the proper installation of this product.

4. Mounting

Orientation

Each PVP™ is constructed of aluminum alloy and stainless steel. This ensures each panel is stable and easy to install. Each panel also has a convenient built-in handle located on the top, underside of the panel. This handle enables you to easily pick up and securely hold each panel while mounting and working with the panels.

The PVPs can be assembled to provide any number of modular designs. The panels on the top can be securely hung from a truss or other stable surface. Always hang in a safe position with adequate space for ventilation, configuration, and maintenance.

CHAUVET® recommends following the general guidelines below.

- When selecting an installation location, consider ease of access for operation and routine maintenance.
- Make sure to hang away from any flammable material, as indicated in the Safety Notes section.
- Never mount in places where rain, extreme temperature changes, or restricted ventilation may affect it.
- Make sure that the structure to which you are hanging the panels can support the weight.

See the Technical Specifications for the weight requirement of each PVP™.

Rig Kit (Sold Separately)

Max capacity : 20 pcs panels

3.94 in.
100mm

7.87 in.
200 mm

1.57 in.
40 mm
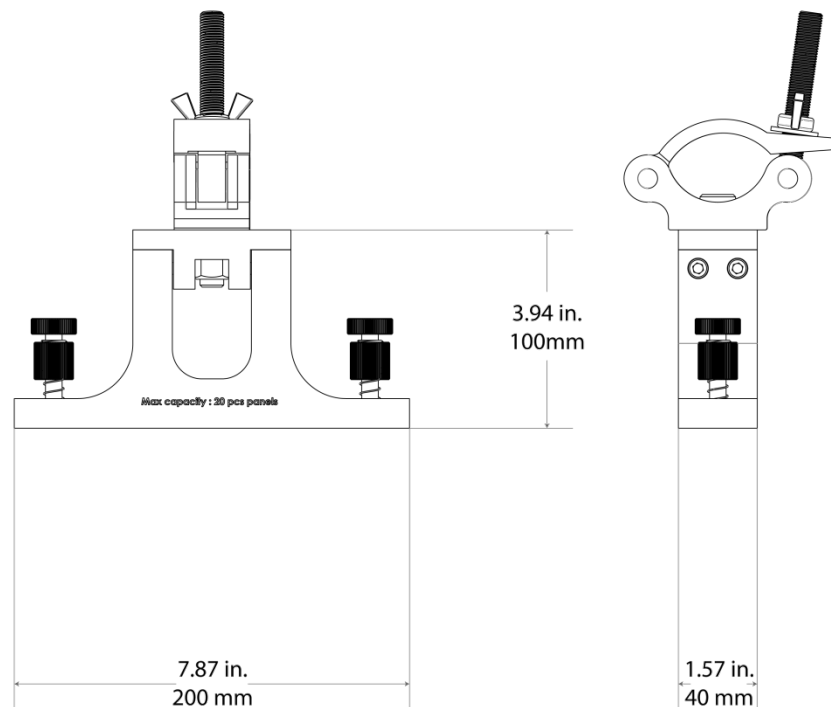
Truss Installation

Refer to the following diagram for truss installation. CHAUVET® offers the PVP™ Rig Kit (sold separately) specifically designed for hanging the panels.

Rig Kit
(sold separately)
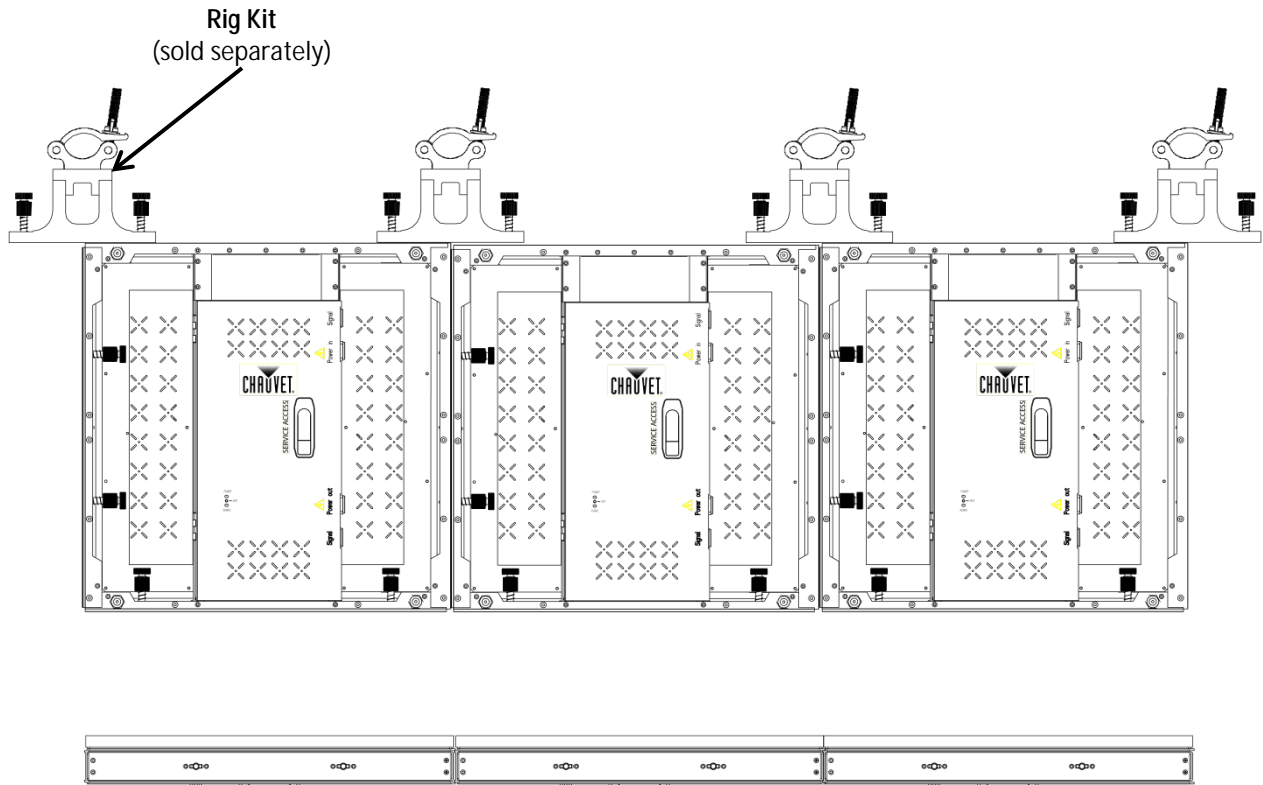
5. Joining Each PVP™ (Creating a Modular Design)

PVPs are joined together to create a modular designed video wall. Because the panels are interchangeable, you can create a video wall by joining several of the same model or joining different models to create a larger or more complex video wall.

Vertically Joining the Panels

Each PVP™ can be easily joined vertically to a truss using 2 Rig Kits (sold separately) and the 2 female speego connections located at the top corner of each panel. Use the male speego connections at the bottom of each panel to connect additional panels. These connectors stay recessed when not being used.
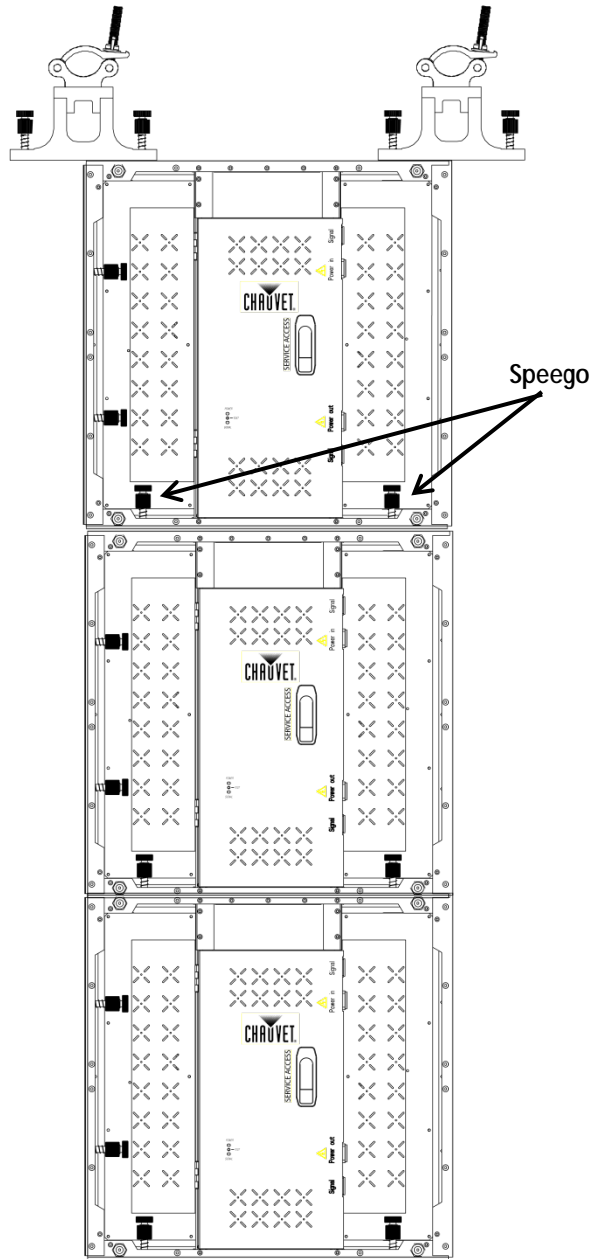
Clamps must be installed as shown above on a single column installation.

Use the following instructions to join panels vertically:
1. Line up the male and female speegos at the top and bottom of each panel.
2. Push male speego connections into female speego connections.
3. Turn the top knob ¼ turn to hold in place.
4. Align panels and twist bottom screw collar clockwise to secure panel in place.

Once the panels are fastened, make sure to twist the bottom collar clockwise to lock the panels in place.

For PVP™ panels manufactured prior to 2014, the speego is designed to be hand-tightened only. Using tools may damage the speego and void the panel warranty. See Important Notice.

Turn ¼ turn to hold panel in place
Twist tight to secure panel
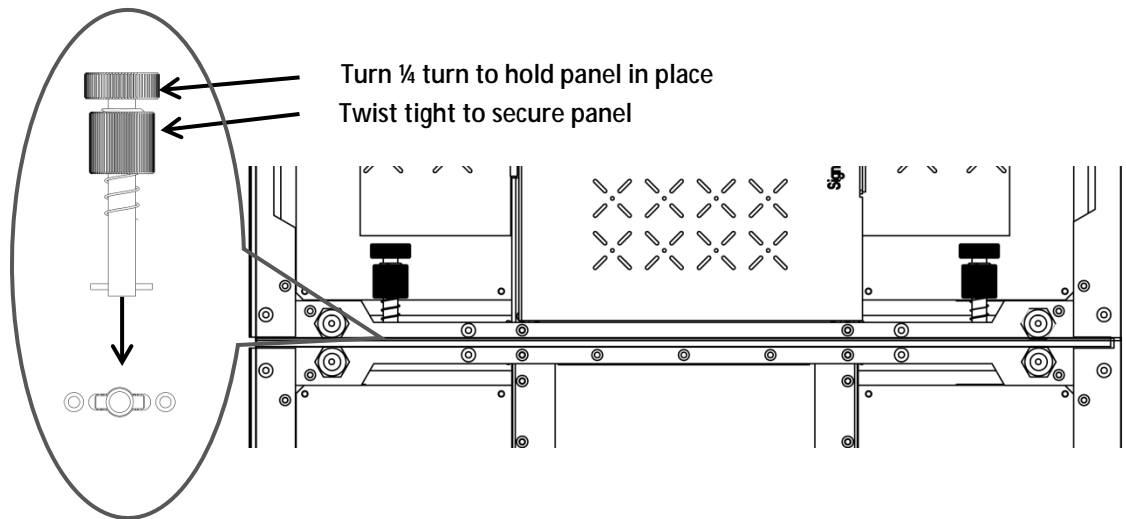
Important Notice

CHAUVET® Professional has redesigned the speego connectors for all PVP panels starting in 2014. When assembling the PVP panels with these new speego connectors, you are able to use a crescent wrench to achieve proper alignment. Please use caution when using a wrench and only rotate it between a 1/4 and 1 complete clockwise rotation. Do not over-tighten the speego; doing so may cause damage to the video panel.

Horizontally Joining Panels

Each PVP™ can be easily joined horizontally using the 2 horizontal locking knobs on the inside, left-hand top and bottom of each panel.

📝 **Clamps may be installed as shown below when 2 or more columns are installed.**
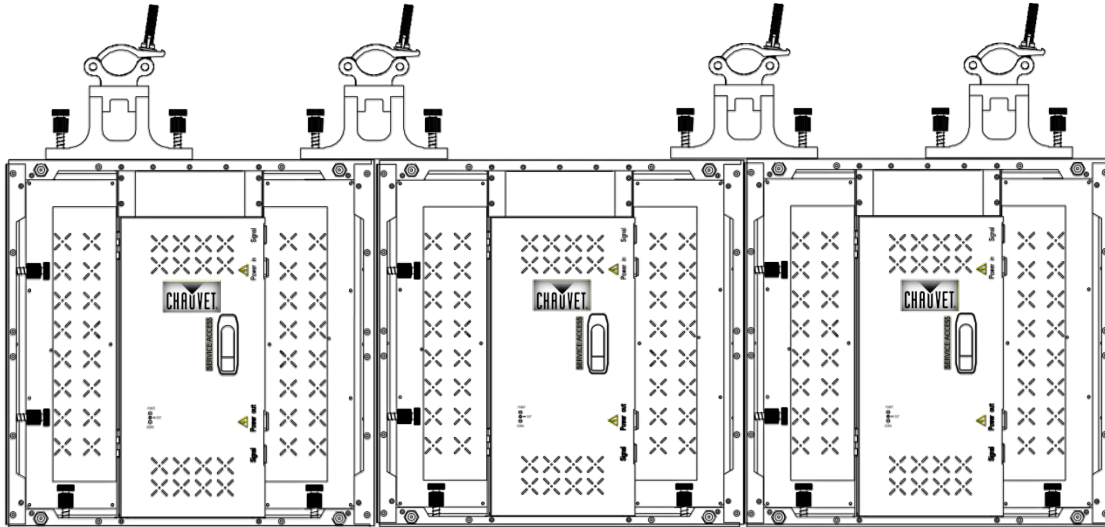
Use the following instructions to join panels horizontally:
1. Line up the male and female speegos at the top and bottom of each panel.
2. Push male speego connections into female speego connections.
3. Turn the top knob ¼ turn to hold in place.
4. Align panels and twist bottom screw collar clockwise to secure panel in place. In order to achieve better alignment, it may be necessary to slightly loosen the speego.

ℹ️ **Once the panels are fastened, make sure to twist the bottom collar clockwise to lock the panels in place.**

Turn ¼ turn to hold panel in place
Twist tight to secure panel
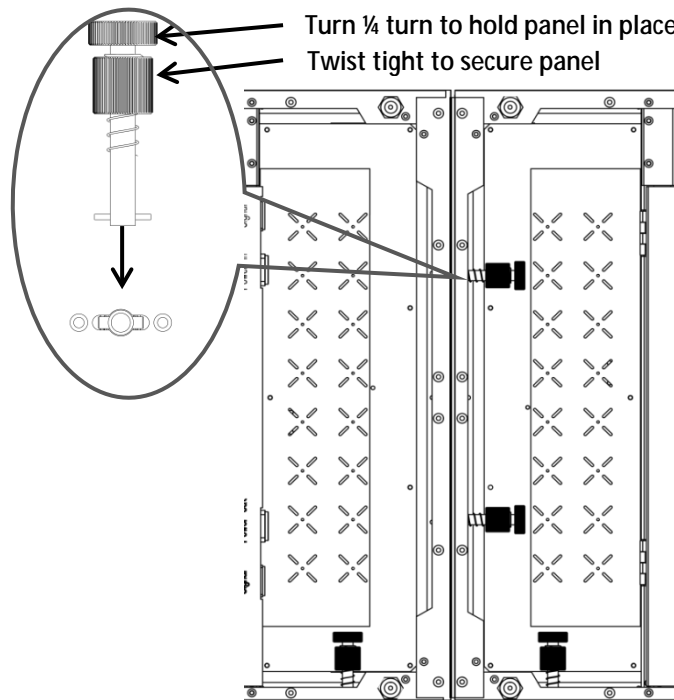
6. Connecting (Cabling) Each PVP™

Testing Signal and Power Connections

Each PVP™ has 2 power sockets and 2 signal sockets.

· The Power **IN** and Signal sockets are located on the upper right-hand corner of each panel.
· The Power **OUT** and Signal sockets are located on the lower right-hand corner of each panel.
· The Signal sockets may be used interchangeably.
· Each PVP™ has LED indicator lights.
· Each panel indicates a successful power connection when the Power indicator light remains red.
· Each panel indicates video signal reception when the Signal LED indicator light blinks green. This light should be blinking to indicate good reception.

Rear Panel View

Underside of Rear View

Signal LED indicator

Power In

Power LED indicator

Test Button

Power Out

Signal LED indicator

Signal Connection
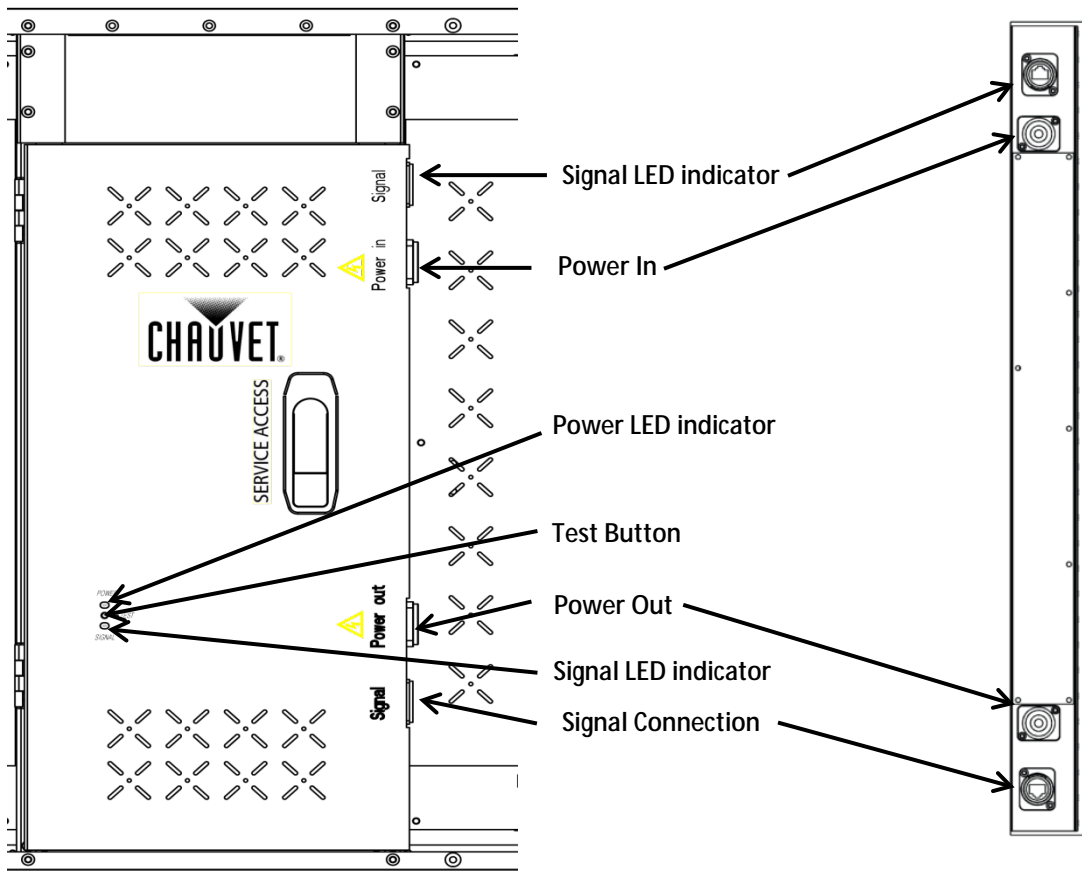
Using the PVP™ Test button

Each PVP™ also has a Test button, used to ensure all LEDs are functional. Use the Test button on each panel to perform a self-test. If self-testing, you must perform the test individually for each PVP™. You do not need to connect to a signal or use software.

When using the Test button, make sure the PVP™ is not connected to the VIP™ Driver.

To use the Test button, you must connect the power, but **do not** connect the signal cables. Press the Test button to toggle through various LED light display configurations.

Connecting the Signal Input

The VIP™ video wall system uses 2 basic setup configurations to connect the signal to the video wall:

1. A configuration using 24 or less panels.
2. A configuration using more than 24 panels.

The next section, Connecting Power and Signal Cables, gives information on connecting power and signal between joined panels and to the rest of the VIP™ system.

The following configuration of 24 panels shows a direct connection from the signal to the VIP™ Driver into the first panel's Signal Input socket. Refer to the VIP™ Driver Quick Reference Guide for information and instructions on the VIP™ Driver.

Single PVP™
(panel)

Backup connection from the last PVP™ in the series

DVI-D

etherCON® connection to the first PVP™ in the series

VIP™ Driver

Signal Socket
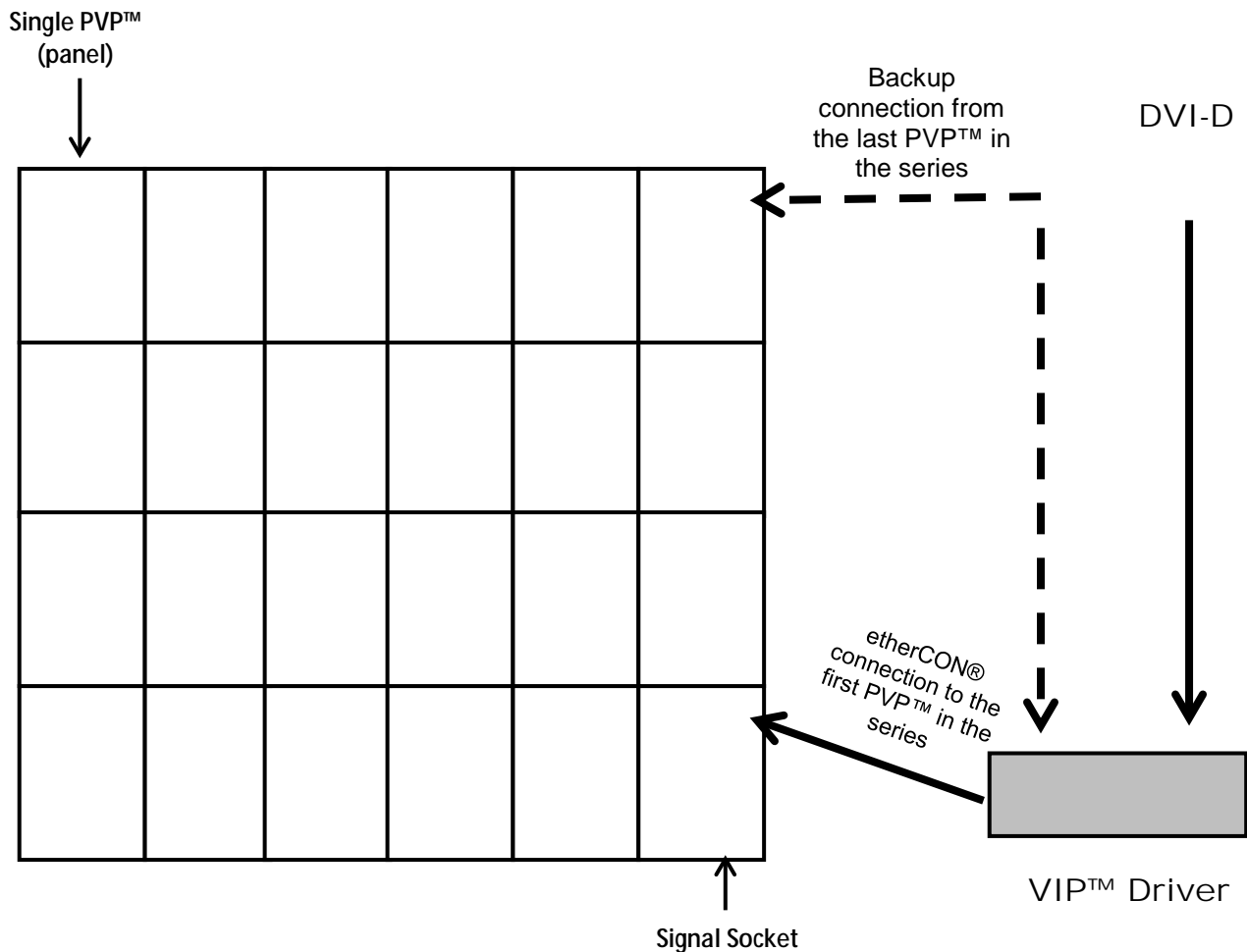
The VIP™ system's maximum signal load is 24 or less panels on a single signal cable connection. When using more than 24 panels in a video wall design, you will need a VIP™ Signal Distributor and additional signal cables to accommodate the number of panels over 24. A VIP™ Signal Distributor output supports up to 8 signal output lines, providing up to 192 total panels that can be connected from the VIP™ Signal Distributor. You also can add more VIP™ Signal Distributors to a VIP™ video wall system. Refer to the VIP™ Signal Distributor Quick Reference Guide for more information.

Pixel limitation may limit to less than 192 panels.

Connecting Power and Signal Cables

The following sections provide information and diagrams on connecting signal and power between panels.

Refer to the Introduction or Operation sections in this User Manual for available cables and item numbers.

Connecting the Signal Between Joined Panels

Signal cable panel connections can use several different configurations. The basic configuration to connect the signal from one panel to the next is as follows.

· The source signal is connected to the first panel.
· A signal cable is then connected from the first panel.
· The connections continue to daisy-chain until all panels are connected.
· The route of the cables used to make the signal connections can vary.

The following diagrams are recommended suggestions for signal connections between 24 or less panels, and more than 24 panels.

Refer to Connecting Signal Input for information and instructions on connecting the signal from the source.

This diagram shows an example of a simple signal connection using 24 or less PVP™s.

Signal Jumper Cable

DVI-D

etherCON® connection to the first PVP™ in the series

VIP™ Driver

Video Signal Cable in from VIP™ Driver max. cable length 100 m/328 ft

May be used to run a backup line to the VIP™ Driver

The following diagram shows an example of a signal connection configuration using more than 24 panels. A video wall design with more than 24 panels requires:

· Incoming signal connection to the VIP™ Driver.
· VIP™ Driver connection to the VIP™ Signal Distributor.
· Signal cable connections as determined by the number of panels in the video wall design and the desired layout, for ease of setup.

Every group of 24 panels will require another signal cable from the VIP™ Signal Distributor. Eight signal cables can be connected to a single VIP™ Signal Distributor.

Signal Jumper Cable
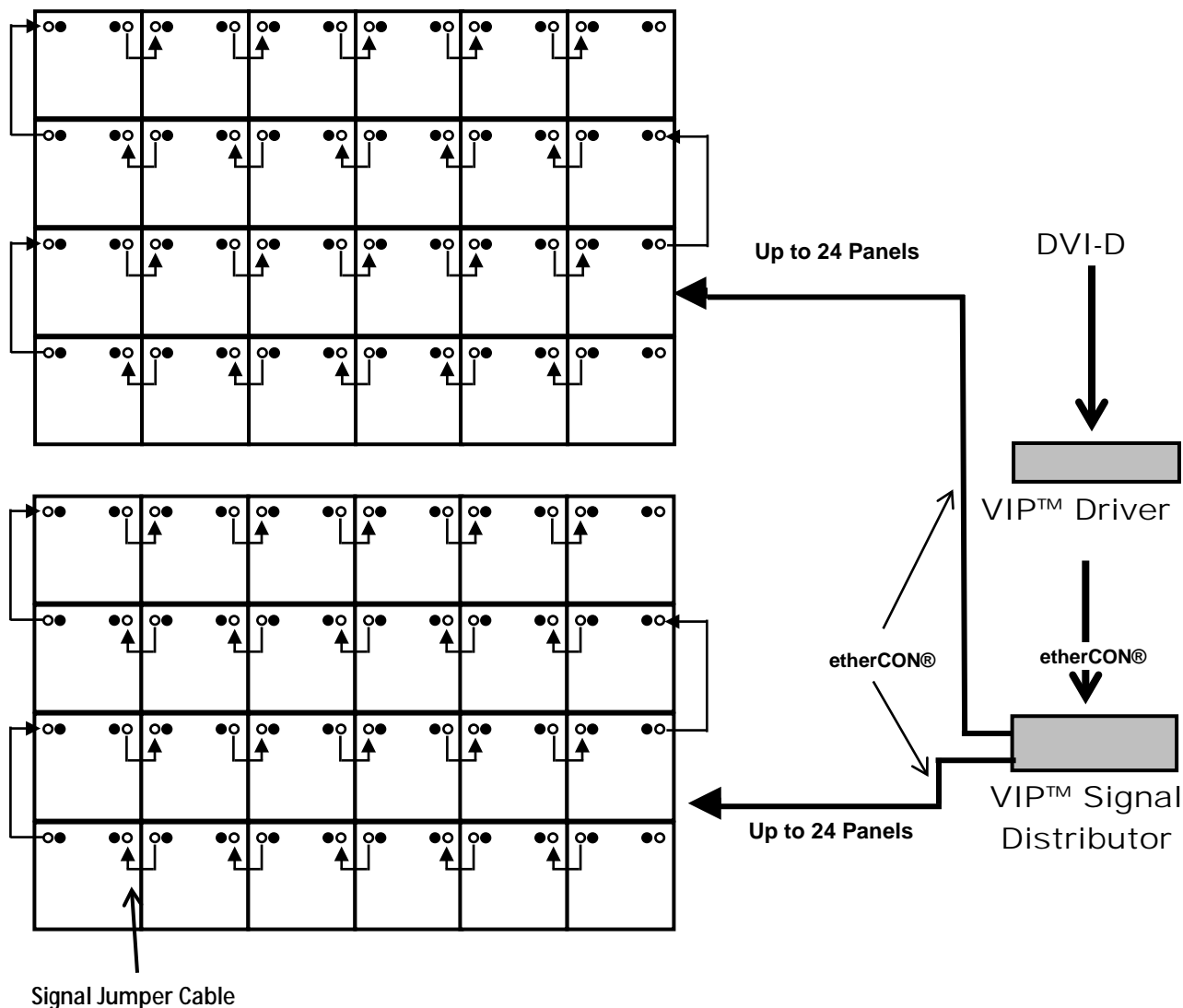
In this configuration, the backup from the driver may be connected to the last panel in any group of panels, or to any free connection to the VIP™ Signal Distributor, including input "B."

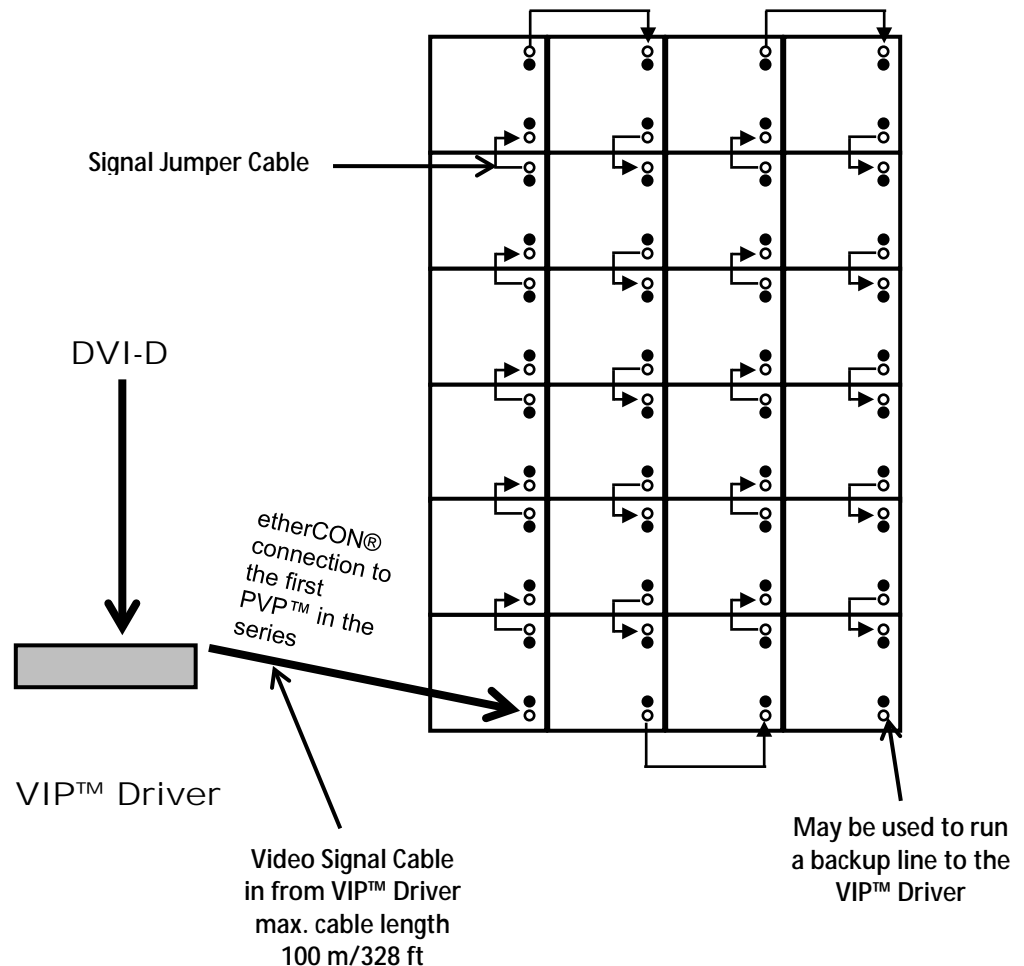**Connecting the Power Between Joined Panels**

Power cable panel connections can also use different configurations. The basic configuration to connect the main power supply from one panel to the next is:

· The main power is connected to the first panel's Power Input or Output.
· A powerCON® cable is then connected to the first panel's Power Output and connected to the next panel's Power Input.
· The connections continue until all panels are connected.

The power input cord for the main is included when purchasing an 8-pack flight case ONLY. CHAUVET® recommends the Neutrik® powerCON® extension cable, item number PCLEAD50FT, available from CHAUVET®, if additional cables are requried.

Connect power between the panels using the same procedure as the signal only using the Power Input and Power Output connectors. You must adhere to the power-linking specifications for each PVP™ model.

Refer to the Power Linking section for details on the number of panels that can be linked based on voltage from a single power connection.

Power linking more panels than recommended will void your warranty and increase the risk electrocution or fire!

Refer to the following diagram for an example of power connection from the main and to each connected panel.

This example is using an PVP™ S5 or S7, power linking 7 panels horizontally @ 120 V.
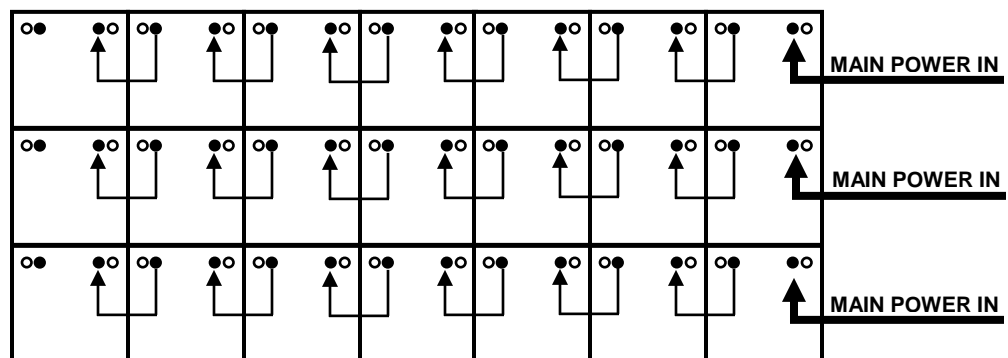
7. Typical PVP™ Installation

Because a video wall system can include different components to provide a simple to complex modular wall design, use the following steps as a general guide to get started.

Step 1 Open and examine the PVP™ flight case to make sure you have received all products and accessories and that each one is in good condition.

Step 2 Apply power and run the self-test for each PVP™ to ensure all LEDs and inside connections in each panel are working (optional).

Step 3 Create a stable mounting surface (i.e., truss or other stable surface) for PVP™ mounting.

Step 4 Mount the first top row of the PVP™s. Refer to the Mounting section in this User Manual.

Step 5 Adjust the alignment of the first row using the speego connectors.

Step 6 Connect the signal source to the VIP™ Driver. Connect the VIP™ Driver to the VIP™ Signal Distributor (if applicable).

Step 7 Connect either VIP™ Driver or VIP™ Signal Distributor (if being used) to the Input Signal socket of the first panel in your connection chain.

Step 8 Based on your video wall configuration (design), join each panel, either horizontally or vertically, using the instructions in the section, Joining Each PVP™ (Creating a Modular Design).

Refer to the instructions and information in the section of this User Manual, Connecting (Cabling) Each PVP™.

VIP™ Sample Video Wall System Setup

The following diagram provides a sample setup for a CHAUVET® VIP™ video wall system. This system setup includes an optional signal processor for additional video sources, and the VIP™ Signal Distributor to support more than 24 panels. Note that the two-driver setup shown here allows for simultaneous playback of pre-recorded and live content, all directed from a single PC.

Refer to the signal processor User Manual and the VIP™ Signal Distributor Quick Reference Guide for information on those video wall components.

VIP™ Media System

For pre-recorded content; no video processor in line with this connection

DVI-D

USB

VIP™ Driver

9-pin serial cable

etherCON

1~24 Panels
etherCON

Signal Processor

Video Sources

DVI-D

VIP™ Driver

1~24 Panels
etherCON

9-pin serial cable

etherCON

VIP™ Signal Distributor

etherCON

etherCON

1~24 Panels
etherCON

You May Connect up to 4 VIP™ Drivers in a single system

Second driver allows for external video sources for live playback

8. Operation

Additional Hardware and Software

In addition to the panels, you will need other hardware and software to design, build, and operate your VIP™ video wall system. The following table summarizes these additional items—some are required and others are optional.

Item	Description	Item Code	Item Number
VIP™ Driver	Interface between the signal source, LED Studio, and the PVP™ being used	99090575	VIPDRIVER
LED Studio	Software application used to design and run the PVPs comprising the video wall. A PC is needed		
VIP™ Signal Distributor (optional up to 24 panels)	Connects between the VIP™ Driver and the PVPs to distribute the source signal from the VIP™ Driver to the video wall when using more than 24 panels	99090576	VIPSIGDISTRO
PVP™ Rigging Kit (optional)	Provides hardware needed to mount PVPs.	20090598	PVP-RK
Neutrik® etherCON® Signal Extension (optional)	etherCON® Signal Extension, 18 in etherCON® Signal Extension, 5 ft etherCON® Signal Extension, 10 ft	19090363 19090364 19090365	MVPU-SIG18IN MVPU-SIG5FT MVPU-SIG10FT
Neutrik® powerCON® Extension (optional)	powerCON® Extension, 18 in powerCON® Extension, 5 ft powerCON® Extension, 10 ft powerCON® Extension, 25 ft powerCON® Extension, 50 ft powerCON® Bare Wire Lead, 50 ft	19110372 19110373 19110374 19110375 19110376 19110377	PCEXT18IN PCEXT5FT PCEXT10FT PCEXT25FT PCEXT50FT PCLEAD50FT
PVP™ 2-pack and 8-pack	PVP™ S5 2-Pack PVP™ S5 8-Pack PVP™ S7 2-Pack PVP™ S7 8-Pack	20090579 20090571 20090580 20090572	PVPS5x2 PVPS5X8 PVPS7x2 PVPS7X8
VIP™ Media System and one VIP™ Driver	Rack mountable, video computer system with the PVP™ Driver and LED Studio software		MVPU-MS
VIP™ Media System with ArKaos Media Master Express + KN and One VIP™ Driver	Rack mountable, video computer system with the PVP™ Driver and LED Studio software, as well as ArKaos Media Master Express		MVPU-MSMME
ArKaos Media Master Express + KN	Video playback software + KN control		MVPU-MSPRO

About CHAUVET® LED Studio

CHAUVET® LED Studio is a powerful and easy-to-learn software application used to design and run the VIP™ video wall system. The following is some introductory information about this software.

Refer to the CHAUVET® LED Studio User Manual for detailed information and instructions on setting up and using CHAUVET® LED Studio with your CHAUVET® VIP™ video wall system.

Description

CHAUVET® LED Studio enables you to create and control your video wall by addressing the panels included in your video wall including pixel pitch and layout.

Once you have physically created your modular video wall design by joining the panels, connecting power, signals, and the VIP™ Media System, you recreate that design within LED Studio.

Detailed information and instructions are in the CHAUVET® LED Studio User Manual.

CHAUVET® does not recommend using CHAUVET® LED Studio for live show playback. For this purpose, CHAUVET® offers Arkaos MediaMaster, which offers numerous playback triggers, including DMX, Art-Net, MA-net, MIDI, and QWERTY.

9. Technical Information

PVP™ Maintenance

To maintain optimum performance and minimize wear, the user should clean this product regularly. Usage and environment are contributing factors in determining the cleaning frequency.

As a rule, clean this product at least twice a month. Dust build-up reduces light output performance and can cause overheating. This can lead to reduced light source life and increased mechanical wear.

To clean a PVP™, follow the recommendations below:

· Unplug the panel from power.
· Wait until the unit at room temperature.
· Use a soft brush to remove dust collected on the external components.
· Wipe the outside of the LED strips with a soft, lint-free cloth dampened with a solution of water and detergent. Apply gentle pressure only.
· Make sure all connections are thoroughly dry before reconnecting power and signal cables.

Always dry the external surfaces carefully after cleaning them.

Troubleshooting Guide

Symptom	Cause(s)	Action(s)
All LEDs are blinking	Contact failure	Fix the loose LEDs or try re-plugging
LEDs on a specific circuit are not lit/working	Power input cable may be connected incorrectly	Remove and connect correctly
All LEDs do not light	Input cables connected incorrectly	Find the incorrectly connected cables and reconnect properly
PVP™ does not power up (LED power indicator does not light during "self-test")	No power	Check for voltage on outlet
	Loose or damaged power cord	Check power cord
	Faulty power connection inside the PVP™	Send for repair
	Faulty external power supply	
PVP™ displays no images or spotted images		Disconnect and reconnect the signal cable, or replace the cable

If you still experience technical problems, contact CHAUVET® Technical Support.

Returns   You must send the product prepaid, in the original box, and with the original packing and accessories. CHAUVET® will not issue call tags.

Call CHAUVET® and request a Return Merchandise Authorization (RMA) number before shipping the product. Be prepared to provide the model number, serial number, and a brief description of the cause(s) for the return.

Clearly label the package with an RMA number. CHAUVET® will refuse any product returned without an RMA number.

DO NOT write the RMA number directly on the box. Instead, write it on a properly affixed label.

Once you have received the RMA number, include the following information on a piece of paper inside the box:

·   Your name
·   Your address
·   Your phone number
·   The RMA number
·   A brief description of the problem(s)

Be sure to pack the product properly. Any shipping damage resulting from inadequate packaging will be the customer's responsibility. FedEx packing or double-boxing is recommended.

CHAUVET® reserves the right to use its own discretion to repair or replace returned product(s).

10. Technical Specifications

	PVP™ S5	PVP™ S7
Light Source	Tri-color SMD3528 LED	Tri-color SMD3528 LED
Pixels per Panel	96 x 96 (9,216 total)	64 x 64 (4,096 total)
Pixel Pitch (between LEDs)	5.2 mm	7.8 mm
Pixel Density	$36,864/m^2$	$16,384/m^2$
Display Refresh Rate	1,200 Hz (flicker-free)	1,200 Hz (flicker-free)
Video Refresh Rate	60 Hz	60 Hz
Viewing Angle	140°	140°
Luminance	1,500 NIT	1,500 NIT
Color Temperature	6500–9500 K	6500–9500 K
Color Wavelengths:		
Red	620–625 nm	620–625 nm
Green	520–525 nm	520–525 nm
Blue	465–470 nm	465–470 nm
Power Supply Type	Switching	Switching
AC Voltage Range	100–240 VAC, 50/60 Hz	100–240 VAC, 50/60 Hz
Voltage Selection	Auto-ranging	Auto-ranging
Power Consumption 120 V, 60 Hz	126 W; 1.05 A	102 W; 0.85 A
Power Consumption 208 V, 60 Hz	128 W; 0.62 A	105 W; 0.50 A
Power Consumption 230 V, 50 Hz	129 W; 0.56 A	106 W; 0.47 A
Power Linking @ 120 V, 60 Hz	9 units	16 units
Power Linking @ 208 V, 60 Hz	16 units	27 units
Power Linking @ 230 V, 50 Hz	18 units	28 units
Dimensions	19.7 x 19.7 x 2.5 in (500 x 500 x 63 mm)	19.7 x 19.7 x 2.5 in (500 x 500 x 63 mm)
Weight	16.3 lb (7.39 kg)	15.8 lb (7.17 kg)
Transparency	N/A	N/A
Mounting Design	Modular (horizontal and vertical)	Modular (horizontal and vertical)
Housing Material	Aluminum alloy	Aluminum alloy
Power Connection	Neutrik® powerCON®	Neutrik® powerCON®
Control Connection	Neutrik® etherCON®	Neutrik® etherCON®

Contact Us

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Outside the U.S., United Kingdom, Ireland, or Mexico, contact your dealer. Follow their instructions to request support or to return a product. Visit our website for contact details.

RoHS

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