

OVATION

P-56VW

User Manual



Model ID: OVATIONP56VW

Edition Notes

The Ovation P-56VW User Manual includes a description, safety precautions, installation, programming, operation, and maintenance instructions for the Ovation P-56VW as of the release date of this edition.

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

Intended Audience

Any person installing, operating, and/or maintaining this product should completely read through the guide that shipped with the product, as well as this manual, before installing, operating, or maintaining this product.

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Document Revision

Go to www.chauvetprofessional.com for the latest version.

Revision	Date	Description
7	10/2024	Updated format and What's Included section

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1. Before You Begin

What Is Included

- Ovation P-56VW
- Gel frame (7.5 in/191 mm accessories)
- Neutrik® powerCON® power cord
- Medium and wide lenses
- Quick Reference Guide

Claims

Carefully unpack the product immediately and check the container to make sure all the parts are in the package and are in good condition.





If the box 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 report damage to the carrier immediately may invalidate customer's claim. In addition, keep the box and contents 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 delivery.

Manual Conventions

Convention	Meaning
1–512	A range of values
50/60	A set of values of which only one can be chosen
<SET>	A button on the product's control panel
Settings	A product function or a menu option

Symbols

Symbol	Meaning
	Electrical warning. Not following these instructions may cause electrical damage to the product, accessories, or the user.
	Critical installation, configuration, or operation information. Not following these instructions may make the product not work, cause damage to the product, or cause harm to the operator.
	Important installation or configuration information. The product may not function correctly if this information is not used.
	Useful information.

The term “DMX” used throughout this manual refers to the USITT DMX512-A digital data transmission protocol.

Connection of the control signal: DMX line

- The product has XLR sockets for DMX input and output.
- **Notice:** This control circuit is isolated and belongs to the Class 2 data port. The control circuit has a cumulative leakage current of less than 3.5 mA.

Safety Notes

Read all the following safety notes before working with this product. These notes contain important information about the installation, usage, and maintenance of this product.



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



All applicable local codes and regulations apply to proper installation of this product.

- The luminaire is intended for professional use only.
- The luminaire should be positioned so that prolonged staring into the luminaire at a distance closer than 10 ft (3.0 m) is not expected.
- If the external flexible cable or cord of this luminaire is damaged, it shall be replaced by a special cord or cord exclusively available from the manufacturer or its service agent.
- The light source contained in this luminaire shall only be replaced by the manufacturer or its service agent or a similar qualified person.
- **CAUTION:**
 - This product's housing may be hot when operating. Mount this product in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces.
 - When transferring the product from extreme temperature environments, (e.g., cold truck to warm humid ballroom) condensation may form on the internal electronics of the product. To avoid causing a failure, allow the product to fully acclimate to the surrounding environment before connecting it to power.
 - Flashing light is known to trigger epileptic seizures. User must comply with local laws regarding notification of strobe use.
- **ALWAYS:**
 - Use a safety cable when mounting this product overhead.
 - Connect this product to a grounded and protected circuit.
- **DO NOT:**
 - Open this product. It contains no user-serviceable parts.
 - Look at the light source when the product is on.
 - Leave any flammable material within 50 cm of this product while operating or connected to power.
 - Connect this product to a dimmer or rheostat.
 - Operate this product if the housing, lenses, or cables appear damaged.
 - ONLY use the hanging/mounting bracket to carry this product.
 - The maximum ambient temperature is 113 °F (45 °C). Do not operate this product at higher temperatures.
 - The minimum startup temperature is -4°F (-20°C). Do not start the product at lower temperatures.
 - The minimum ambient temperature is -22°F (-30°C). Do not operate the product at lower temperatures.
 - To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.
 - In the event of a serious operating problem, stop using immediately.



If a Chauvet product requires service, contact Chauvet Technical Support.

Before You Begin

FCC Statement of Compliance

This device complies with Part 15 Part B of the FCC rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Expected LED Lifespan

LEDs gradually decline in brightness over time, primarily because of heat. LEDs that are arranged in clusters experience higher operating temperatures than single LEDs. For this reason, operating clustered LEDs at their fullest intensity significantly reduces the LEDs' lifespan. Under normal conditions, this lifespan is 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operating temperature by improving the ventilation around the product, thus reducing the ambient temperature. In addition, limiting the overall projection intensity may extend the LEDs' lifespan.

2. Introduction

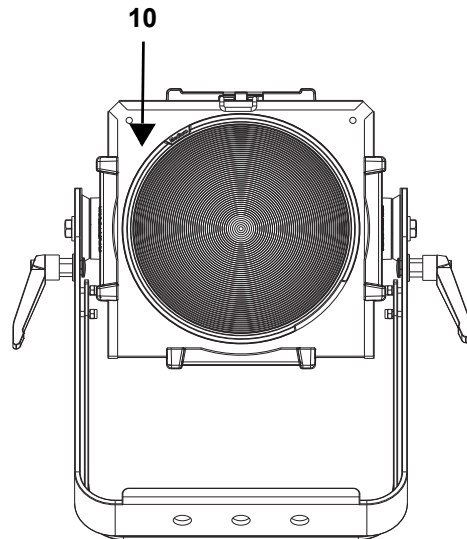
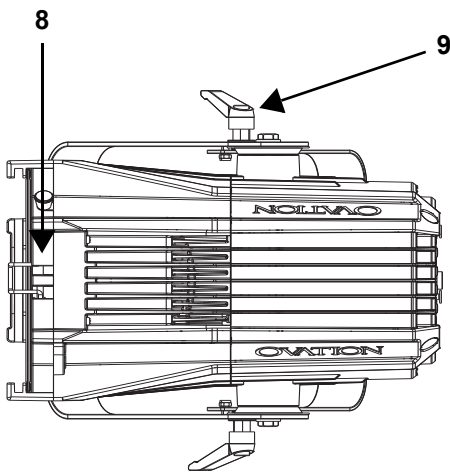
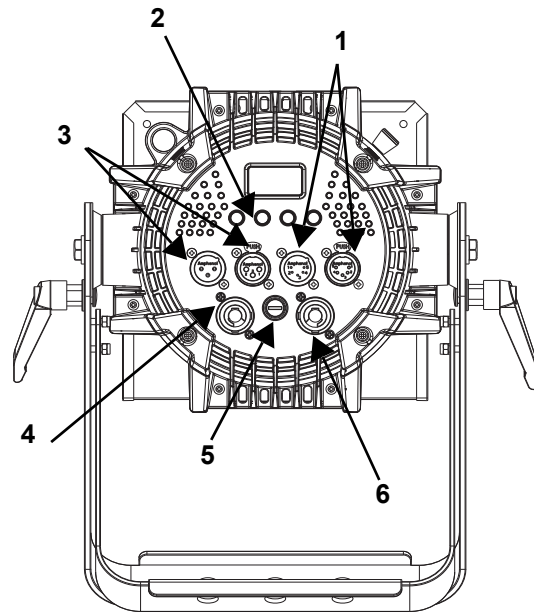
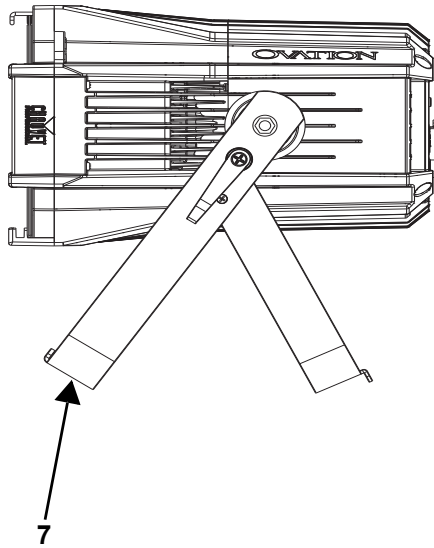
Description

The Ovation P-56VW is a compact, bright, and virtually silent PAR that produces a homogenized, flat, and even field of light from an advanced, single-source LED. The unit features a six-color LED system that produces nearly any temperature of white with high CRI and CQS. The par's color temperature can be further adjusted for +/- green, making it ideal for TV studios and broadcasted events. The unit accepts standard 7.5" beam-shaping accessories and has included interchangeable lens plates for medium and wide beam angles. The virtually silent par also features extremely smooth 16-bit dimming, and RDM and PWM for setup ease.

Features

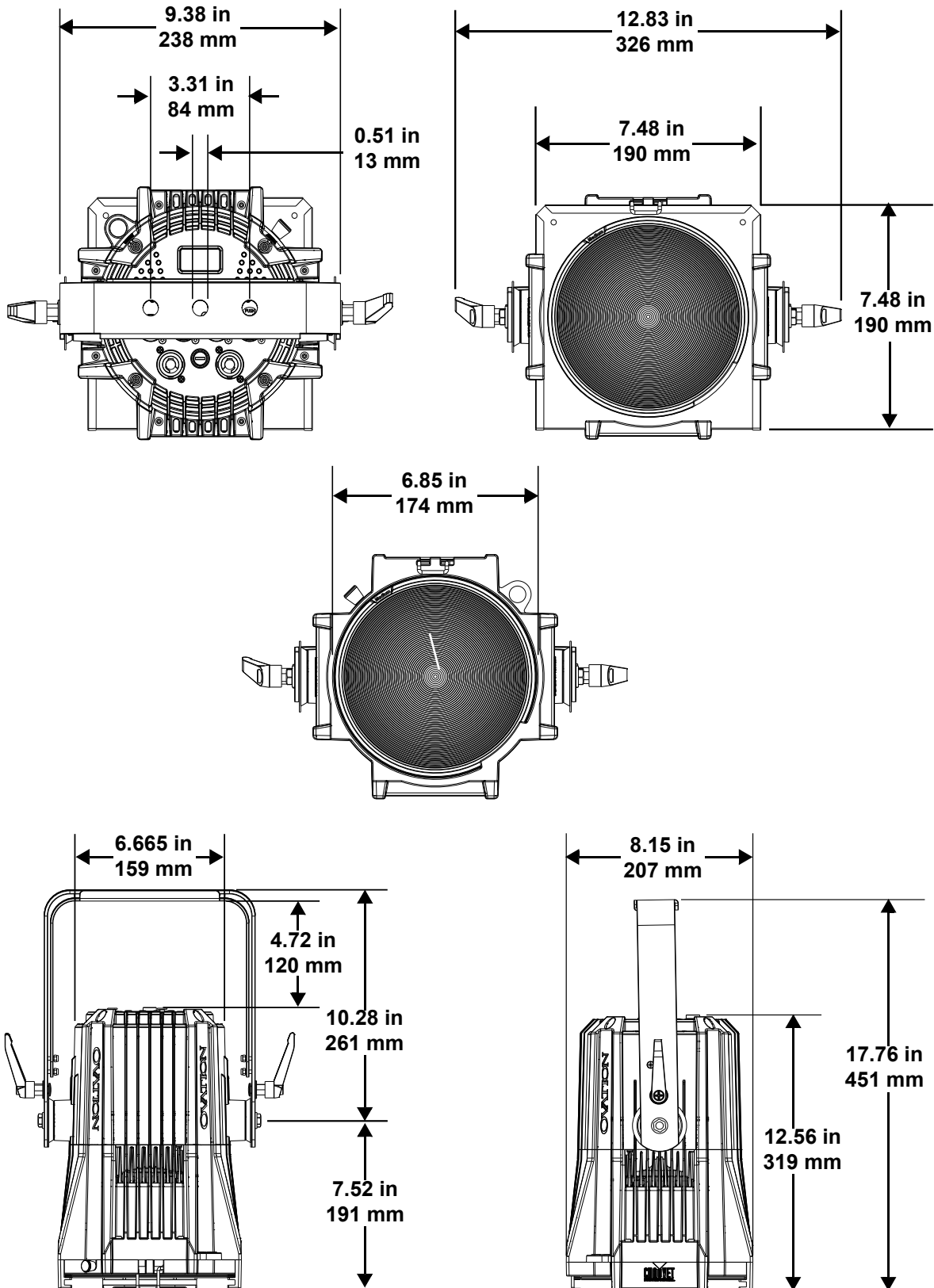
- Operating modes:
 - 1-channel: dimmer
 - 3-channel: dimmer, color temperature, hue
 - 5-channel: dimmer, 16-bit dimmer, color temperature, hue, strobe
 - 6-channel: red, orange, green, royal blue, blue, lime
 - 8-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe
 - 11-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe, color temperature, hue, control
 - 15-channel: dimmer, 16-bit dimmer, red, orange, green, royal blue, blue, lime, strobe
 - 18-channel: dimmer, 16-bit dimmer, red, orange, green, royal blue, blue, lime, strobe, color temperature, hue, control
- Variable white PAR-style fixture with homogenized single source of light
- Interchangeable lens plates included for medium and wide beam angles
- Soft, even field of light
- Quiet operation for use in any situation with fan speed control
- +/- green adjustment via DMX or on-board control
- Independent color control over the six-color engine when a splash of color is needed
- RDM (Remote Device Management) and variable PWM (Pulse Width Modulation) for setup ease
- Accept standard 7.5" beam-shaping accessories
- 16-bit dimming resolution for smooth fades

Product Overview



#	Name	#	Name
1	5-pin DMX in/out	6	Power out
2	Menu buttons	7	Bracket
3	3-pin DMX in/out	8	Gel frame holder clip
4	Power in	9	Tilt adjustment handle
5	Fuse holder	10	Gel frame

Product Dimensions



3. Setup

AC Power

Each Ovation P-56VW has an auto-ranging power supply that works with an input voltage range of 100 to 240 VAC, 50/60 Hz. To determine the power requirements for each Ovation P-56VW, refer to the label affixed to the product or to the [Technical Specifications](#) chart in this manual.

The listed current rating indicates the maximum current draw during normal operation. For more information, download Sizing Circuit Breakers from the Chauvet website: www.chauvetprofessional.com.



- **Always connect the product to a protected circuit (a circuit breaker or fuse). Make sure the product has an appropriate electrical ground to avoid the risk of electrocution or fire.**
- **To eliminate unnecessary wear and improve its lifespan, during periods of non-use completely disconnect the product from power via breaker or by unplugging it.**



Never connect the 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

The Ovation P-56VW comes with a power input cord terminated with a Neutrik® powerCON® connector on one end and an Edison plug on the other end (U.S. market). If the power input cord that came with the product has no plug, or if the plug needs to be changed, use the table below to wire the 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

It is possible to power link Ovation P-56VW products. See the table below for the current draw at each voltage and frequency:

	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Current Draw	1.60 A	1.51 A	0.88 A	0.80 A	0.72 A

Never exceed 12 A on a single circuit. Power-linking cables can be purchased separately.

Fuse Replacement

1. Disconnect this product from the power outlet.
2. Using a flathead screwdriver, unscrew the fuse holder cap from the housing.
3. Remove the blown fuse and replace with another fuse of the same type and rating (T 3.15 A, 250 V).
4. Screw the fuse holder cap back in place and reconnect power.



Make sure to disconnect the product's power cord before replacing a blown fuse. Always replace the blown fuse with another of the same type and rating.

DMX Linking

The Ovation P-56VW can be linked to a DMX controller using a 3- and 5-pin DMX connection. If using other DMX-compatible products with this product, it is possible to control each individually with a single DMX controller.

DMX Personalities

The Ovation P-56VW uses a 3- and 5-pin DMX data connection for the **1Ch**, **3Ch**, **5Ch**, **6Ch**, **8Ch**, **11Ch**, **15Ch**, and **18Ch** DMX personalities.

- Refer to the [Introduction](#) for a brief description of each DMX personality.
- Refer to the [Operation](#) chapter to learn how to configure the Ovation P-56VW to work in these personalities.
- The [DMX Values](#) section provides detailed information regarding the DMX personalities.



For information about DMX standards, Master/Slave connectivity, or the DMX cables needed to link this product to a DMX controller, download the DMX Primer from the Chauvet website: www.chauvetprofessional.com.

Remote Device Management

Remote Device Management, or RDM, is a standard for allowing DMX-enabled devices to communicate bi-directionally along existing DMX cabling. Check the DMX controller's User Manual or with the manufacturer, as not all DMX controllers have this capability. The Ovation P-56VW supports RDM protocol that allows feedback to make changes to menu map options.

Master/Slave Connectivity

The Master/Slave mode allows an Ovation P-56VW (the master) to control one or more Ovation P-56VW products (the slaves) without a DMX controller. One Ovation P-56VW becomes the master when running an auto or custom program, or by being in a Static mode.

Each slave's control panel must be configured to operate in Slave mode. During Master/Slave operation, the slaves will operate in unison with the master.



DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.



- The [Operation](#) section of this manual provides detailed instructions on how to configure the master and slaves.
- For more information about DMX standards or the DMX cables needed to link this product to a DMX controller, download the DMX primer from the Chauvet website: www.chauvetprofessional.com.

Mounting

Before mounting the product, read and follow the safety recommendations indicated in the [Safety Notes](#). For Chauvet Professional line of mounting clamps, go to: <http://trusst.com/products/>.

Orientation

Always mount this product in a safe position, ensuring that there is adequate room for ventilation, configuration, and maintenance.

Rigging

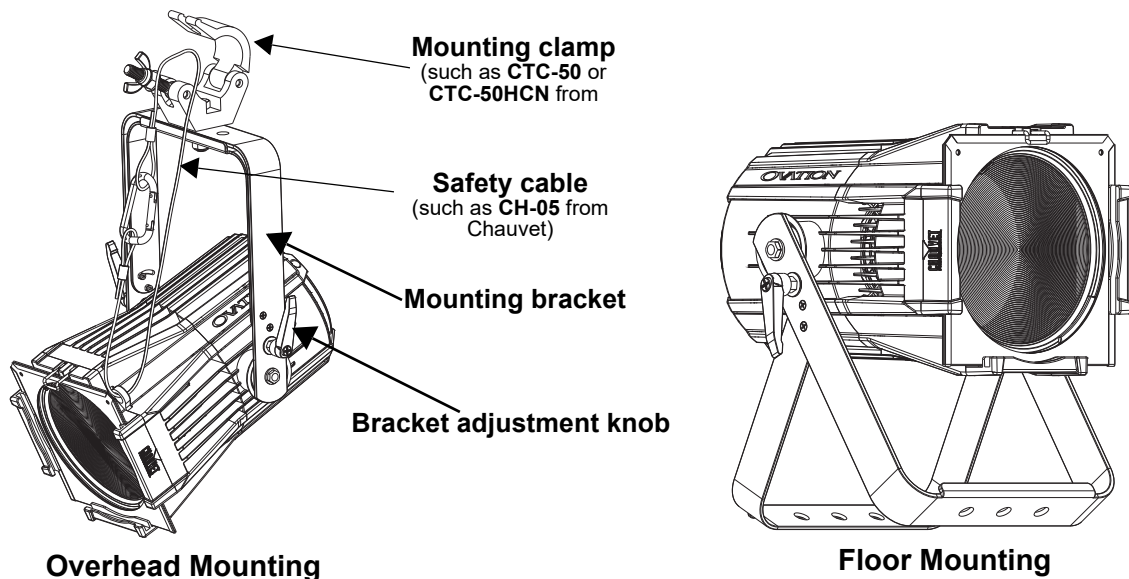
Chauvet recommends using the following general guidelines when mounting this product:

- Before deciding on a location for the product, make sure there is easy access to the product for maintenance and programming purposes.
- Make sure that the structure and attachment points can support the weight before hanging the product (see the [Technical Specifications](#) for weight information).
- When mounting the product overhead, always use a safety cable. Mount the product securely to a rigging point, whether an elevated platform or a truss.
- When rigging the product onto a truss, use a mounting clamp of appropriate weight capacity.
- When power linking multiple products, mount the products close enough for power-linking cables to reach.
- The bracket adjustment knobs allow for directional adjustment when aiming the product to the desired angle. Only loosen or tighten the bracket knobs manually. Using tools could damage the knobs.

Procedure

The Ovation P-56VW comes with a double-bracketed yoke that can be used as a floor stand or to which mounting clamps can be attached for hanging. Mounting clamps must be purchased separately. Ensure that the clamps can support the weight of this product. Use at least one mounting point per product where necessary.

Mounting Diagram



Alternate Lens Changing Procedure

The Ovation P-56VW has the ability to have different types of lenses installed. The interchangeable lenses allow the product to have alternate beam angles.

To remove the lens

1. Pull knob up.
2. Grab the tab on the lens, and pull it out of the fixture.



DO NOT connect a DMX controller to products operating in Master/Slave mode. The DMX controller signals may interfere with the signals from the master.

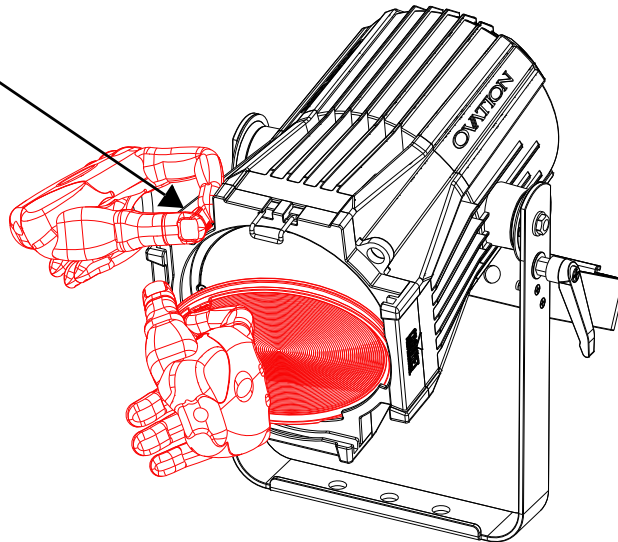
To install a lens

1. Pull knob up.
2. Insert the bottom of the lens at approximately the 5 o'clock position with the lens tab located at the 11 o'clock position.
3. Push the top of the lens in and release the knob.



The lens type is molded into the tab.

**Pull knob up to release
and change the lens**



4. Operation

Control Panel Operation

Button	Function
<MENU>	Exits from the current menu or function
<ENTER>	Enables the currently displayed menu or sets the currently selected value in to the current function
<UP>	Navigates upward through the menu list or increases the numeric value when in a function
<DOWN>	Navigates downward through the menu list or decreases the numeric value when in a function

Control Options

Set the Ovation P-56VW starting address in the 001-512 DMX range. This enables control of up to 15 products in the 18-channel personality.

Programming

Refer to the [Menu Map](#) to understand the menu options. The menu map shows the main level and a variable number of programming levels for each option.

- To go to the desired main level, press <MENU> repeatedly until the option shows on the display. Press <ENTER> to select. This will show the first programming level for that option.
- To select an option or value within the current programming level, press <UP> or <DOWN> until the option shows on the display. Press <ENTER> to select. This will show either the first option if there is another programming level, or the selected value.
- Press <MENU> repeatedly to exit to the previous main level.

DMX Configuration

Use DMX configurations to operate the product with a DMX controller.

DMX Personalities

This setting allows the user to choose a particular DMX personality.

- Go to the **DMX Channel** main level.
- Select the desired personality (**1Ch**, **3Ch**, **5Ch**, **6Ch**, **8Ch**, **11Ch**, **15Ch**, and **18Ch**).



- See the [Starting Address](#) section for the highest starting address suggested for each personality.
- Make sure that the starting addresses on the various products do not overlap due to the new personality setting.

Starting Address

In this mode, each product will respond to a unique starting address from the DMX controller. All products with the same starting address will respond in unison.

- Go to the **DMX Address** main level.
- Set the starting address (**001–512**).

The highest recommended starting address for each DMX mode is as follows:

DMX Personality	DMX Address	DMX Personality	DMX Address
1Ch	512	8Ch	505
3Ch	510	11Ch	502
5Ch	508	15Ch	498
6Ch	507	18Ch	495

Menu Map

Refer to the Ovation P-56VW product page on www.chauvetprofessional.com for the latest software and menu map.

Main Level	Programming Levels				Description
DMX Address	001–512*				Selects DMX address (highest channel restricted to personality chosen)
DMX Channel	1Ch	Color Temperature		----	1-channel: dimmer See Color Temperature
		Manual Color Mixer	Red	0–255	Combine red, orange, green, royal blue, blue, and lime to make custom color (0–100%)
			Orange		
			Green		
			Royal Blue		
			Blue		
			Lime		
	3Ch				3-channel: dimmer, color temperature, hue, red shift
	5Ch				5-channel: 16-bit dimmer, color temperature, hue, strobe
	6Ch				6-channel: red, orange, green, royal blue, blue, lime
	8Ch				8-channel: red, orange, green, royal blue, blue, lime, strobe
	11Ch				11-channel: dimmer, red, orange, green, royal blue, blue, lime, strobe, color temperature, hue, control
	15Ch				15-channel: 16-bit dimmer, 16-bit red, orange, green, royal blue, blue, and lime, strobe
	18Ch				18-channel: 16-bit dimmer, 16-bit red, orange, green, royal blue, blue, and lime, strobe, color temperature, hue, control

Main Level	Programming Levels				Description
Static	Color Temperature	2800K 2900K 3000K 3100K 3200K 3300K 3400K 3500K 3600K 3700K 3800K 3900K 4000K 4100K 4200K	Dimmer	0–255	Preset white color temperatures. Emulates a tungsten lamp at the specified color temperature. Refer to the Color Temperature for specific values.
		4300K 4400K 4500K 4600K 4700K 4800K 4900K 5000K 5100K 5200K 5300K 5400K 5500K 5600K 5700K 6000K 6500K 7000K 7500K 8000K	Hue	-25–25	
	Manual Color Mixer	Red Orange Green Royal Blue Blue Lime		0–255	Combines red, orange, green, royal blue, blue, and lime to make a custom color (0–100%)
Red Shift	On				Mimics halogen lamp dimming
	Off				
Master/ Slave	Master				Receives DMX signal from the DMX controller (master)
	Slave				Receives DMX signal from the master unit
Dimmer Curve	S-Curve Linear Square Inverse square				Sets the dimmer curve

Main Level	Programming Levels			Description
Dimmer Mode	Off			Linear dimmer
	Dimmer 1–3			Dimming curves, from fast (Dimmer 1) to slow (Dimmer 3)
White Balance	Off			Uses factory default white setting
	Manual	Red	125–255	Sets red LED maximum value
		Orange		Sets orange LED maximum value
		Green		Sets green LED maximum value
		Royal Blue		Sets royal blue LED maximum value
		Blue		Sets blue LED maximum value
		Lime		Sets lime LED maximum value
LED Frequency	600Hz 1200Hz 2000Hz 4000Hz 6000Hz 25KHz			Sets the PWM frequency
Fan Mode	Auto			Sets the fan to auto mode
	On			Sets the fan to always on
	Off			Sets the fan to always off
	Silent			Sets the fan to silent
Back Light	10S			Turns off display backlight after 10 seconds of inactivity
	30S			Turns off display backlight after 30 seconds of inactivity
	2Min			Turns off display backlight after 2 minutes of inactivity
	Always On			Display backlight always on
Information	Fixture Hours	_ _ _ _ H		Shows total hours the product has been powered on
	LED Hours	_ _ _ _ H		Shows total LED hours
	Version	V _ . _		Shows current firmware version
	UID	_ _ _ _ _ _ _ _		Shows product UID
Factory Reset	No			Resets the product to factory default settings
	Yes			

Color Temperature

Color Temperature DMX Chart

DMX Channel Value	Color Temperature	DMX Channel Value	Color Temperature	DMX Channel Value	Color Temperature
000 ⇔ 005	No function/2800K	083 ⇔ 090	3900–4000K	167 ⇔ 174	5100–5200K
006 ⇔ 013	2800–2900K	090 ⇔ 097	4000–4100K	174 ⇔ 181	5200–5300K
013 ⇔ 020	2900–3000K	097 ⇔ 104	4100–4200K	181 ⇔ 188	5300–5400K
020 ⇔ 027	3000–3100K	104 ⇔ 111	4200–4300K	188 ⇔ 195	5400–5500K
027 ⇔ 034	3100–3200K	111 ⇔ 118	4300–4400K	195 ⇔ 202	5500–5600K
034 ⇔ 041	3200–3300K	118 ⇔ 125	4400–4500K	202 ⇔ 209	5600–5700K
041 ⇔ 048	3300–3400K	125 ⇔ 132	4500–4600K	209 ⇔ 216	5700–6000K
048 ⇔ 055	3400–3500K	132 ⇔ 139	4600–4700K	216 ⇔ 223	6000–6500K
055 ⇔ 062	3500–3600K	139 ⇔ 146	4700–4800K	223 ⇔ 230	6500–7000K
062 ⇔ 069	3600–3700K	146 ⇔ 153	4800–4900K	230 ⇔ 237	7000–7500K
069 ⇔ 076	3700–3800K	153 ⇔ 160	4900–5000K	237 ⇔ 244	7500–8000K
076 ⇔ 083	3800–3900K	160 ⇔ 167	5000–5100K	244 ⇔ 255	8000K

Color Temperature Values Chart

Display Readout	Red Value	Orange Value	Green Value	Royal Blue Value	Blue Value	Lime Value
2800K	193	181	015	032	023	255
2900K	184	172	024	036	025	255
3000K	176	161	027	037	028	255
3100K	167	156	030	042	034	255
3200K	162	146	034	046	035	255
3300K	157	140	039	048	040	255
3400K	153	132	042	050	044	255
3500K	149	128	046	053	047	255
3600K	144	122	050	055	050	255
3700K	140	118	053	057	054	255
3800K	135	115	054	059	057	255
3900K	132	111	056	063	062	255
4000K	128	107	059	066	065	255
4100K	125	105	062	068	067	255
4200K	123	103	067	070	071	255
4300K	120	101	071	072	074	255
4400K	118	099	074	074	078	255
4500K	116	097	079	077	080	255
4600K	114	094	083	078	083	255
4700K	112	092	087	080	085	255
4800K	107	090	089	082	087	255
4900K	105	088	092	085	089	255
5000K	103	086	095	087	092	255
5100K	101	084	099	088	094	255
5200K	100	082	101	091	096	255
5300K	099	079	104	095	097	255
5400K	098	077	106	098	099	255
5500K	097	079	108	102	102	255
5600K	096	077	109	104	104	255
5700K	095	076	110	106	106	255
6000K	089	072	115	111	113	255
6500K	081	066	120	121	120	255
7000K	077	059	124	128	129	255
7500K	073	054	127	136	136	255
8000K	068	050	135	144	142	255



The color temperatures above are simulated renditions of the color output produced compared with a tungsten lamp at the specified color temperature. Chauvet makes no guarantee of the color output accuracy.

DMX Values

18Ch / 15Ch / 11Ch

11Ch	15Ch	18Ch	Function	Value	Percent/Setting
1	1	1	Dimmer	000 ⇔ 255	0–100%
–	2	2	Dimmer fine	000 ⇔ 255	0–100%
2	3	3	Red	000 ⇔ 255	0–100%
–	4	4	Red fine	000 ⇔ 255	0–100%
3	5	5	Orange	000 ⇔ 255	0–100%
–	6	6	Orange fine	000 ⇔ 255	0–100%
4	7	7	Green	000 ⇔ 255	0–100%
–	8	8	Green fine	000 ⇔ 255	0–100%
5	9	9	Royal blue	000 ⇔ 255	0–100%
–	10	10	Royal blue fine	000 ⇔ 255	0–100%
6	11	11	Blue	000 ⇔ 255	0–100%
–	12	12	Blue fine	000 ⇔ 255	0–100%
7	13	13	Lime	000 ⇔ 255	0–100%
–	14	14	Lime fine	000 ⇔ 255	0–100%
8	15	15	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast
9	–	16	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart
10	–	17	Hue	000 ⇔ 255	-25–25
11	–	18	Control (hold for 3 seconds, then release)	000 ⇔ 007 008 ⇔ 015 016 ⇔ 023 024 ⇔ 031 032 ⇔ 039 040 ⇔ 047 048 ⇔ 055 056 ⇔ 063 064 ⇔ 071 072 ⇔ 079 080 ⇔ 087 088 ⇔ 095 096 ⇔ 103 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 255	No function Red Shift: On Red Shift: Off Dimmer reset Dimmer: S-Curve Dimmer: linear Dimmer: square Dimmer: inverted square Dimmer speed mode off Dimmer speed mode 1 Dimmer speed mode 2 Dimmer speed mode 3 Fan auto Fan on Fan off Fan silent No function (reserved)

8Ch / 6Ch / 5Ch / 3Ch / 1Ch

1Ch	3Ch	5Ch	6Ch	8Ch	Function	Value	Percent/Setting
1	1	1	–	1	Dimmer	000 ⇔ 255	0–100%
–	–	2	–	–	Dimmer fine	000 ⇔ 255	0–100%
–	–	–	1	2	Red	000 ⇔ 255	0–100%
–	–	–	2	3	Orange	000 ⇔ 255	0–100%
–	–	–	3	4	Green	000 ⇔ 255	0–100%
–	–	–	4	5	Royal blue	000 ⇔ 255	0–100%
–	–	–	5	6	Blue	000 ⇔ 255	0–100%
–	–	–	6	7	Lime	000 ⇔ 255	0–100%
–	2	3	–	–	Color temperature	000 ⇔ 255	Refer to Color Temperature DMX Chart
–	3	4	–	–	Hue	000 ⇔ 255	-25–25
–	–	–	–	8	Strobe	000 ⇔ 010 011 ⇔ 255	No function Strobe, slow to fast

Standalone Configuration

Use standalone configuration to operate the product without a DMX controller.

Static Mode

The Static mode allows for an unchanging color without a DMX controller.

Color Temperature

To select a color temperature, do the following:

1. Go to the **Static** main level.
2. Select **Color Temperature**.
3. Select the desired color temperature (see [Color Temperature](#)).
4. Select the desired output level (**0–255**).

Manual Color Mixer

To do color mixing without a DMX controller, follow the instructions below:

1. Go to the **Static** main level.
2. Select **Manual Color Mixer**.
3. Select the color to edit (**Red, Orange, Green, Royal Blue, Blue, or Lime Green**).
4. Select the desired output level for that color (**0–255**).
5. Repeat steps 3 and 4 until product outputs as desired.

Red Shift

The Red Shift function causes the amber LEDs to imitate the appearance of a halogen lamp when dimming.

To adjust the Red Shift function, do the following:

1. Go to the **Red Shift** main level.
2. Select **On** or **Off**.

Master/Slave

The Master/Slave mode allows a group of Ovation P-56VW products (the slaves) to simultaneously duplicate the output of another Ovation P-56VW (the master) without a DMX controller.

To set each of the slaves:

1. Go to the **Master/Slave** main level
2. Select **Slave**.

To set the master:

1. Go to the **Master/Slave** main level
2. Select **Master**.
3. Select a static setting.



- **The master is the one that runs a program whether in Auto or Static mode.**
- **Do not connect a DMX controller to the products configured for Master/Slave operation. The DMX controller may interfere with signals from the master.**
- **The master should be the first product in the daisy chain.**

Dimmer Curve

To set the dimmer curve, follow the instructions below:

1. Go to the Dimmer Curve main level.
2. Select the desired option (**Linear, Square, Inverse Square, or S-Curve**).

Dimmer Profiles

This setting determines how fast the output of the Ovation P-56VW changes when the output value is modified. It provides four different options to simulate the dimming curve of an incandescent lighting product.

To select a specific dimmer profile, do the following:

1. Go to the **Dimmer Mode** main level.
2. Select a dimmer curve (**Off, Dimmer 1, Dimmer 2, or Dimmer 3**).



- Off:** The output is proportional (linear) to the dimmer channel value.
- Dimmer 1-3:** The output follows the dimmer value based on the corresponding dimmer curve, **Dimmer 1** being the fastest.

White Balance

This setting determines the maximum output values for each color, which affects the appearance of a full output white.

1. Go to the **White Balance** main level.
2. Select **Off** (the product will use a default setting) or **Manual**.
3. For **Manual** mode, select the color value to edit (**Red**, **Orange**, **Green**, **Royal Blue**, **Blue**, or **Lime Green**).
4. Set the maximum value for the selected color (**125–255**).
5. Repeat steps 3 and 4 until the product outputs as desired.

LED Frequency

This option changes the Pulse Width Modulation (PWM) frequency of the LEDs on the Ovation P-56VW. To do so, follow the instructions below:

1. Go to the **LED Frequency** main level.
2. Select PWM Frequency (**600Hz**, **1200Hz**, **2000Hz**, **4000Hz**, **6000Hz**, or **25Khz**).

Fan Mode

This setting determines how the fan speed on the Ovation P-56VW is set.

1. Go to the **Fan Mode** main level
2. Select **Auto** (fan speed will increase or decrease based on product temperature), **Off** (fan will stay off. Product output will decrease based on product temperature), **Silent** (fan will maintain a constant silent speed), or **On** (fan speed will always be at maximum).



NOTICE: When operating in Fan Mode: Off, the output of the fixture will be reduced and will not reach the same levels as when using other fan modes.



WARNING: When operating in Fan Mode: Off, the fixture will become hotter to the touch than when using other fan modes. Use proper protective equipment to prevent burns. Keep a safe distance from flammable objects.

Back Light

This setting allows for selection of the amount of time the backlight on the Ovation P-56VW's display stays on after the last button is pressed on the control panel.

1. Go to the **Back Light** main level.
2. Select **10S** (10 seconds), **30S** (20 seconds), **2Min** (2 minutes), or **Always On** (remains on).

System Information

This option displays the total number of hours the product has run, the installed software version, and the product's UID.

1. Go to the **Information** main level.
2. Select **Fixture Hours**, **LED Hours**, **Version**, or **UID**.

Factory Reset

This option restores the Ovation P-56VW to factory default settings.

1. Go to the **Factory Reset** main level.
2. Select **No** or **Yes**.

Error Codes

See the table below for error codes and recommended solutions:

Error Code	Possible Reason	Potential Solution
Temperature shows -40°C	The thermistor is not welded properly	Replace the board or weld the thermistor
	The temperature control wire is not connected or has a poor connection	Check the temperature control wire connector
Temperature shows 125°C	The thermistor is not welded properly	Replace the board or weld the thermistor
	The temperature control wire is not connected or has a poor connection	Check the temperature control wire connector

5. Maintenance

Product Maintenance

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

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 the product:

1. Unplug the product from power.
2. Wait until the product is at room temperature.
3. Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents.
4. Clean all transparent surfaces with a mild soap solution, ammonia-free glass cleaner, or isopropyl alcohol.
5. Apply the solution directly to a soft, lint-free cotton cloth or a lens-cleaning tissue.
6. Softly drag any dirt or grime to the outside of the transparent surface.
7. Gently polish the transparent surfaces until they are free of haze and lint.



Always dry the transparent surfaces carefully after cleaning them.

6. Technical Specifications

Dimensions and Weight

Length	Width	Height	Weight
12.48 in (317 mm)	12.83 in (326 mm)	14 in (363 mm)	12 lb (5.5 kg)

Note: Dimensions in inches rounded to the nearest hundredth.

Power

Power Supply Type	Range	Voltage Selection
Switching (internal)	100 to 240 VAC, 50/60 Hz	Auto-ranging

Parameter	100 V, 60 Hz	120 V, 60 Hz	208 V, 60 Hz	230 V, 50 Hz	240 V, 50 Hz
Consumption	160 W	175 W	166 W	165 W	155 W
Operating Current	1.6 A	1.50 A	0.88 A	0.81 A	0.72 A
Power-linking current (products)	12 A (7 products)	12 A (9 products)	12 A (16 products)	12 A (18 products)	12 A (18 products)
Fuse	T 3.15 A, 250 V	T 3.15 A, 250 V	T 3.15 A, 250 V	T 3.15 A, 250 V	T 3.15 A, 250 V

Power I/O	U.S./Canada	Worldwide
Power input connector	Neutrik® powerCON®	Neutrik® powerCON®
Power output connector	Neutrik® powerCON®	Neutrik® powerCON®
Power cord plug	Edison (U.S.)	Local plug

Light Source

Type	Color	Quantity	Power	Current	Lifespan
LED	Red	6	3–4 W	1 A	50,000 hours
	Orange	6			
	Green	6			
	Royal blue	4			
	Blue	10			
	Lime green	16			

Photometrics

Parameter	Medium Lens	Wide Lens	Wide Lens w/ Egg Crate
Beam Angle	21°	54°	40°
Field Angle	35°	84°	66°
Illuminance @ 5 m	1,220 lux	220 lux	158 lux

Thermal

Maximum External Temperature	Cooling System
113 °F (45 °C)	Convection

DMX

I/O Connector	Channel Range
3- and 5-pin XLR	2, 4, 6, 9, 12, 16, and 18

Ordering

Product Name	Item Code	UPC Number
Ovation P-56VW	03031501	781462218492



RoHS



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Warranty & Returns

For warranty terms and conditions and return information, please visit our website.

For customers in the United States and Mexico: www.chauvetlighting.com/warranty-registration.

For customers in the United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, and Germany: www.chauvetlighting.eu/warranty-registration..