

PRO-D6

User Manual

There are 2 different versions of this product. One version has a red LED display and the other has a blue LCD display.



CHAUVET

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1. BEFORE YOU BEGIN

What is Included

- 1 x Pro-D6
- 1 x User Manual

Unpacking Instructions

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

Claims

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 your 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.

Limited Warranty

FOR WARRANTY REGISTRATION AND COMPLETE TERMS AND CONDITIONS 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/

Chauvet warrants that this product shall be free from defects in material and workmanship under normal use, for the period specified in and subject to the exclusions and limitations set forth in, the full limited warranty on our website. This warranty extends only to the original purchaser of the product and is not transferable. To exercise rights under this warranty, you must provide proof of purchase in the form of an original sales receipt from an authorized dealer that shows the product name and date of purchase. THERE ARE NO OTHER EXPRESS OR IMPLIED WARRANTIES. This warranty gives you specific legal rights. You may also have other rights that vary from state to state and country to country. This warranty is valid only in the United States, United Kingdom, Republic of Ireland, Belgium, the Netherlands, Luxembourg, France, Germany and Mexico. For warranty terms in other countries, please consult your local distributor.

Disclaimer

Chauvet believes that the information contained in this manual is accurate in all respects. However, Chauvet assumes no responsibility and specifically disclaims any and all liability to any party for any loss, damage or disruption caused by any errors or omissions in this document, whether such errors or omissions result from negligence, accident or any other cause. Chauvet reserves the right to revise the content of this document without any obligation to notify any person or company of such revision, however, Chauvet has no obligation to make, and does not commit to make, any such revisions. Download the latest version from www.chauvetdj.com. The works of authorship contained in this manual, including, but not limited to, all design, text and images are owned by Chauvet.




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Text Conventions




Convention	Meaning
1—512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified
Menu > Settings	A sequence of menu options to be followed
<ENTER>	A key to be pressed on the product's control panel
ON	A value to be entered or selected

Symbols

Symbol	Meaning
	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.

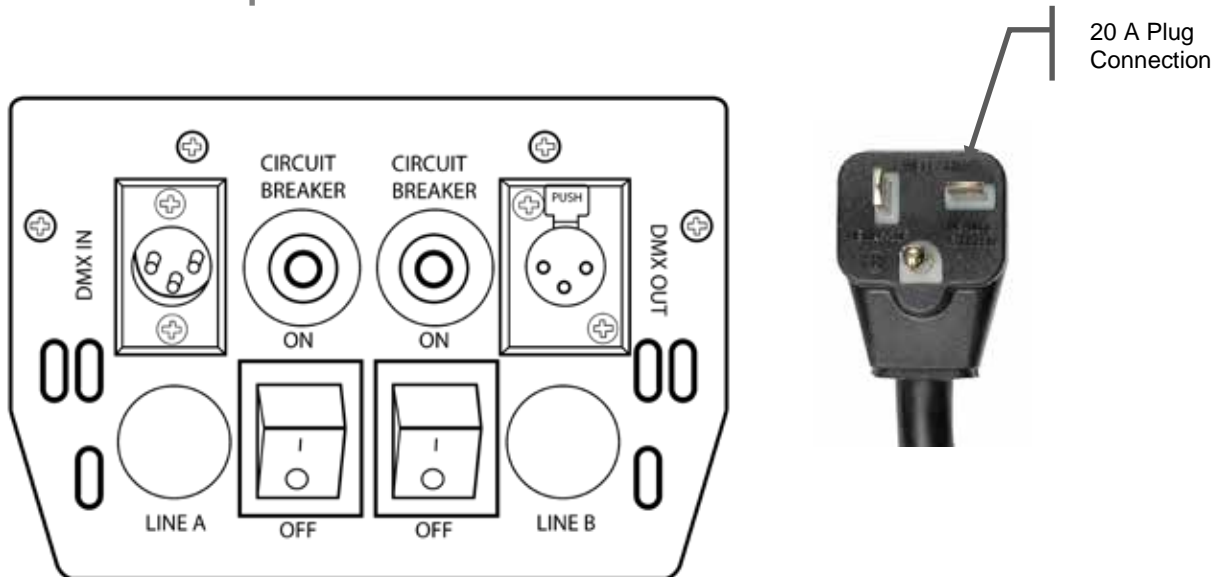
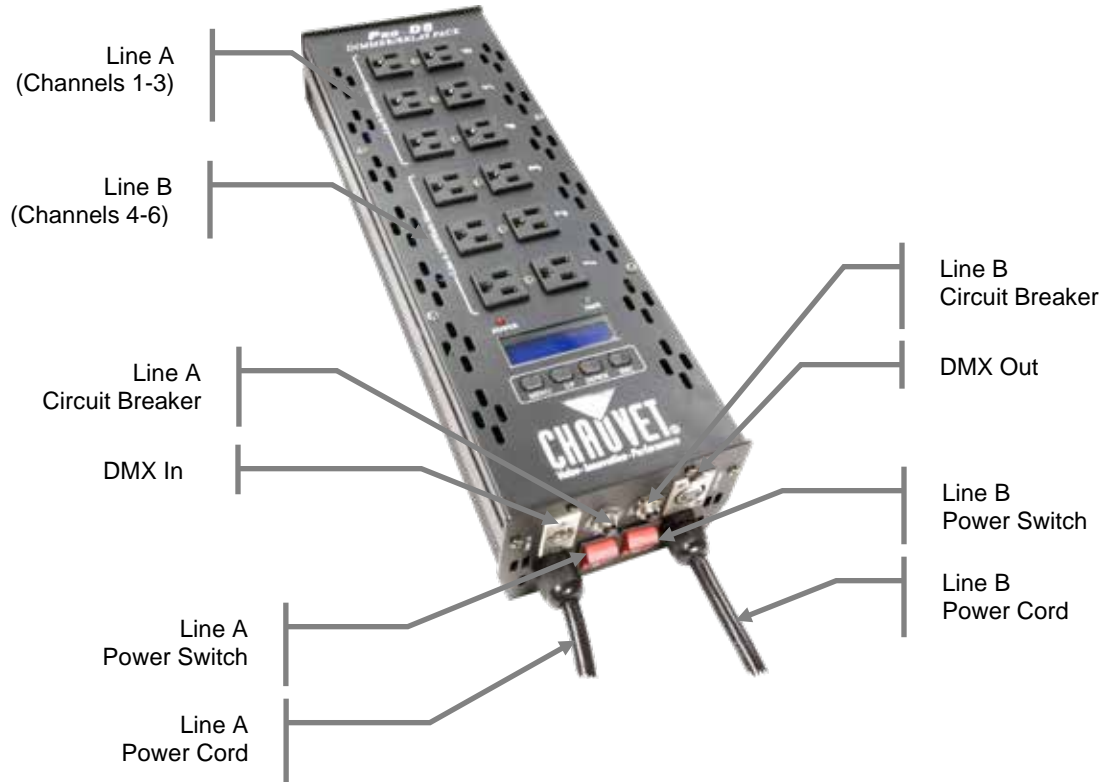
Safety Instructions

Please read the following Safety Notes carefully before working with the product. The Notes include important safety information about installation, usage, and maintenance.

	<ul style="list-style-type: none"> • This product is intended for indoor use only! • To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable materials close to the unit while operating. • The unit must be installed in a location with adequate ventilation, at least 20in (50cm) from adjacent surfaces. Be sure that no ventilation slots are blocked. • Always disconnect from power source before servicing or replacing lamp or fuse and be sure to replace with same lamp source. • Secure fixture to fastening device using a safety chain. Never carry the fixture solely by the cables. Use the carrying handles. • Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate fixture at temperatures higher than this. • In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center. • Make sure the power cord is never crimped or damaged. • Never disconnect the power cord by pulling or tugging on the cord.
	<ul style="list-style-type: none"> • Please keep this User Guide for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
	<ul style="list-style-type: none"> • Never try to repair the product. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.

2. INTRODUCTION

Product Overview



3. SETUP

AC Power

To determine the power requirements for a particular fixture, see the label affixed to the back plate of the fixture or refer to the fixture's specifications chart. A fixture's listed current rating is its average current draw under normal conditions. All fixtures must be powered directly off a switched circuit and cannot be run off a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used solely for a 0% to 100% switch. Before applying power to a fixture, check that the source voltage matches the fixture's requirement. Check the fixture or device carefully to make sure that if a voltage selection switch exists that it is set to the correct line voltage you will use.



All fixtures must be connected to circuits with a suitable Earth Ground. Input voltage equals output voltage. Line A must be used when only one line is needed in order for the unit to function properly.

Fixture Linking

You will need a serial data link to run light shows of one or more fixtures using a DMX-512 controller, or to run synchronized shows on two or more fixtures set to a master/slave operating mode. The combined number of channels required by all the fixtures on a serial data link determines the number of fixtures the data link can support.



Fixtures on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard no more than 32 devices should be connected on one data link. Connecting more than 32 fixtures on one serial data link without the use of a DMX optically isolated splitter may result in deterioration of the digital DMX signal.

Maximum recommended serial data link distance: 500 meters (1640 ft.)

Maximum recommended number of fixtures on a serial data link: 32

To link fixtures together you must obtain data cables. You can purchase CHAUVET certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference.

Power connection

The Pro-D6 has been designed to work on multiple input voltages (100-240VAV 50/60Hz) simultaneously, and comes fitted with 20-amp connectors for this purpose. For example, Line A can be plugged into 120V and Line B can be plugged into 230V. Any voltage between 100-240 volts may be used.



The power for the Line A and the Line B circuits must share the same electrical phase. The unit will not operate properly if they are on different phases.

Mounting

Orientation

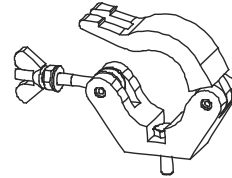
This fixture may be mounted in any position provided there is adequate room for ventilation.

Rigging

It is important never to obstruct the fan or vents pathway. Mount the fixture using a suitable "C" or "O" type clamp. Adjust the angle of the fixture by loosening both knobs and tilting the fixture. After finding the desired position, retighten both knobs.

- When selecting installation location, take into consideration lamp replacement access and routine maintenance.
- Safety cables must always be used.
- Never mount in places where the fixture will be exposed to rain, high humidity, extreme temperature changes or restricted ventilation.

Hanging Clamp



Note!
Clamp is sold separately.

4. OPERATING INSTRUCTIONS

Control Panel Operation

Access control panel functions using the four panel buttons located directly underneath the LCD Display.

Button	Function
<MENU>	Press to find an operation mode or to back out of the current menu option
<UP>	Press to scroll up the list of options or to find a higher value
<DOWN>	Press to scroll down the list of options or to find a lower value
<ENTER>	Press to activate a menu option or a selected value

The Control Panel LCD Display shows the menu items you select from the menu map. When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press <MENU>.

Pressing the <ESC> button will allow access to the top of the menu map. Use the <UP> and <DOWN> buttons to navigate the menu map and menu options. Press the <MENU> button to access the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <ESC> button.

Menu Functions

Main Level	Programming Levels		Description
DMX fail	Hold	Speed Time	Selects the program speed
	Prog1-12	00.2s – 20.0s	
	Blackout		
DMX address	Block	Start addr 001 – 512	Select a DMX starting address
	Single	CH [01 – 06] 001 – 512	Select a separate DMX address for each channel
Preheat	ALL	[000 – 050%]	Select a preheat percentage for all channels
	Single	CH [01 – 06] [000 – 050%]	Select a preheat percentage for each channel independently
Max level	ALL	[000 – 100%]	Select a maximum operation level for all channels
	Single	CH [01 – 06] [000 – 100%]	Select a maximum operation level for each channel independently
Curve	ALL	SWITCH – LINEAR	Select operation mode for all channels: dimmer (0-100%) or relay (0/100%)
	Single	CH [01 – 06] SWITCH – LINEAR	Select operation mode for each channel independently: dimmer (0-100%) or relay (0/100%)
Manual	ALL	[000 – 100%]	Manually manipulate the output of all channels simultaneously
	Single	CH [01 – 06] [000 – 100%]	Manually manipulate the output of each channel independently

User Configurations

To set the DMX address

- 1) Select "DMX address" by pressing <Menu>, then the <Up/Down> buttons, until the display reads correctly.
- 2) Press <Menu> to reach the second step of the addressing menu.
- 3) Use the <Up/Down> buttons to select Block or Single mode.
- 4) Press the <Menu> button.
- 5) Use the <Up/Down> buttons to select the correct value. Once you are satisfied with your input, press <Menu> to confirm your selection.
- 6) Pressing the <Esc> button will allow you to back out of this menu. This is useful if you wish to select the option for setting each channel to a different dmX address.

5. APPENDIX

General Maintenance

To maintain optimum performance and minimize wear, fixtures should be cleaned frequently. Usage and environment are contributing factors in determining cleaning frequency. As a general rule, fixtures should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Power off the fixture before conducting maintenance.

Unplug the fixture from power. Use a vacuum or air compressor and a soft brush to remove dust collected on external vents and internal components. Clean all glass when the fixture is cold with a mild solution of glass cleaner or isopropyl alcohol and a soft lint free cotton cloth or lens tissue. Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens. Gently polish optical surfaces until they are free of haze and lint.

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. - Always dry the parts carefully. - Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.

General Troubleshooting

Symptom	Solution(s)	Applies to			
		Lights	Foggers & Snow	Controllers	Dimmers & Chaser
Auto shut off	Check fan thermal switch reset	Ü			
Breaker/Fuse keeps blowing	Check total load placed on device				Ü
Chase is too slow	Check user manual for speed adjustment	Ü		Ü	Ü
Device has no power	Check for power on Mains. Check device's fuse (internal and/or external)	Ü		Ü	Ü
Fixture is not responding	Check DMX Dip switch settings for correct addressing Check DMX cables Check polarity switch settings	Ü			
Fixture is on but there is no movement to the audio	Make sure you have the correct audio mode on the control switches (If audio provided via ¼" jack, make sure a live audio signal exists) Adjust sound sensitivity knob	Ü		Ü	Ü
Loss of signal	Use only DMX cables Install terminator <i>Note: Keep DMX cables separated from power cables or black lights.</i>	Ü	Ü	Ü	Ü
Relay will not work	Check circuit breaker reset switch Check cable connections				Ü

If you still have a problem after trying the above solutions, please contact CHAUVET Technical Support at the location on the next page.

Returns

To get support or return a product:

- If you are located in the US, contact Chauvet World Headquarters.
- If you are located in the UK or Ireland, contact Chauvet Europe Ltd.
- If you are located in France, contact Chauvet France.
- If you are located in Germany, contact Chauvet Germany.
- If you are located in Mexico, contact Chauvet Mexico.
- If you are located in Benelux, contact Chauvet Europe BVBA.
- If you are located in any other country, DO NOT contact Chauvet. Instead, contact your local distributor. See www.chauvetdj.com for distributors outside the US, UK, Ireland, Mexico, or Benelux.



If you are located outside the US, UK, Ireland, France, Germany, Benelux or Mexico, contact your distributor of record and follow their instructions on how to return Chauvet products to them. Visit our website www.chauvetdj.com for contact details.

Call the corresponding Chauvet Technical Support office 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 for the return.

Send the merchandise prepaid, in its original box, and with its original packing and accessories. Chauvet will not issue call tags.

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



Write the RMA number on a properly affixed label. DO NOT write the RMA number directly on the box.

Before sending the product, clearly write the following information on a piece of paper and place it inside the box:

- Your name
- Your address
- Your phone number
- RMA number
- A brief description of the problem

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



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

TECHNICAL SPECIFICATIONS

WEIGHT & DIMENSIONS

Length.....	19.3 in (491 mm)
Width.....	5.5 in (140 mm)
Height.....	3.9 in (98.5 mm)
Weight.....	9.3 lbs (4.2 kg)

POWER

Auto-ranging (input voltage equals output voltage).....	100-240VAC 50/60Hz
Maximum power output (per channel)	10A
Circuit breaker (Line A)	20A
Circuit breaker (Line B)	20A
Maximum load.....	40A

THERMAL

Maximum ambient temperature.....	104°F (40°C)
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CONTROL & PROGRAMMING

Data input	locking 3-pin XLR male socket
Data output	locking 3-pin XLR female socket
Data pin configuration	pin 1 shield, pin 2 (-), pin 3 (+)
Protocols.....	DMX-512 USITT

ORDERING INFORMATION

Pro-D6	PROD6
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WARRANTY INFORMATION

Warranty	2-year limited warranty
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The power for the Line A and the Line B circuits must share the same electrical phase. The unit will not operate properly if they are on different phases.



Contact Us

General Information	Technical Support
Chauvet World Headquarters	
Address: 5200 NW 108th Avenue Sunrise, FL 33351 Voice: (954) 577-4455 Toll free: (800) 762-1084	Voice: (844) 393-7575 Email: chauvetcs@chauvetlighting.com Website: www.chauvetdj.com
Chauvet Europe Ltd	
Address: Unit 1C Brookhill Road Industrial Estate Pinxton, Nottingham, UK NG16 6NT Voice: +44 (0)1773 511115	Email: uktech@chauvetlighting.com Website: www.chauvetdj.co.uk
Chauvet Europe BVBA	
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Address: Bruno-Bürgel-Str. 11 28759 Bremen Germany Voice: +49 421 62 60 20	Email: Eutech@chauvetlighting.de Website: http://www.chauvetdj.de
Chauvet Mexico	
Address: Av. de las Partidas 34-3B (Entrance by Calle 2) Zona Industrial Lerma Lerma, Mexico C.P. 52000 Voice: +52 (728) 690-2010	Email: servicio@chauvetlighting.com.mx Website: www.chauvet.com.mx

Visit the applicable website above to verify our contact information and instructions to request support. Outside the US, UK, Ireland, Mexico, France, Germany, or Benelux, contact the dealer of record.