



Edition Notes	The Legend [™] 412 Series User Manual Rev. 5 covers the description, safety precautions, installation, programming, operation, and maintenance of the Legend [™] 412 and the Legend 412 VW. CHAUVET® released this edition of the Legend [™] 412 Series User Manual in August 2012.			
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Document Revision	The Legend [™] 412 Series User Manual Rev. 5 supersedes all previous versions of this manual. Discard any older versions of this manual you may have, whether in printed or electronic format, and replace with this version.			
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1. Before You Begin

What Is Included	 One Legend[™] 412 or Legend[™] 412 VW One Eye Bolt (for safety cable) One Omega Bracket with M12 Bolts Warranty Card Quick Reference Guide 			
Unpacking Instructions	Immediately upon receiving this product, carefully unpack and check the container. Make sure you have received all the parts indicated above and all the parts are in good condition.			
Claims	If the container or the material inside the container (the product and included accessories) appear damaged from shipping, or show signs of mishandling, upon receipt notify the carrier immediately, not CHAUVET®. Failure to notify the carrier in a timely manner may invalidate your claim. 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. Refer to the Contact Us section in this manual for addresses and phone numbers.			
Conventions	Convention	Meaning		
	1~512	A range of values in the text		
	50/60	A set of mutually exclusive values in the text		
	Claims	A new term, another document reference, or section or chapter in this document		
	<set></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	Symbol	Meaning
-	\triangle	Critical installation, configuration, or operation information. Failure to comply with this information may render the product partially or completely inoperative, damage third-party equipment, or cause harm to the user.
	í	Important installation or configuration information. Failure to comply with this information may prevent the product from functioning correctly.
		Useful information.

Ľ

The term "DMX" used throughout this manual refers to the USITT DMX512-A transmission protocol.

Product at a Glance

Use on Dimmer	\otimes	Auto Programs	 ✓
Outdoor Use	\otimes	Auto-ranging Power Supply	\checkmark
Sound Activated	\otimes	Replaceable Fuse	\checkmark
DMX	✓	User Serviceable	\otimes
Master/Slave	✓	Duty Cycle	\otimes

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. Under normal conditions, this lifespan can be 40,000 to 50,000 hours. If extending this lifespan is vital, lower the operational temperature by improving the product's ventilation and reducing the ambient temperature to an optimal operating temperature. In addition, limiting the overall projection intensity may also help to extend the LEDs' lifespan.



Safety Notes	Read all the following Safety Notes before working with this product. These Notes include important information about the installation, usage, and maintenance of this product.
\triangle	There are no user-serviceable parts in this product. Any reference to servicing in this User Manual applies only to properly certified CHAUVET® technicians. Do not open the housing or attempt any repairs unless you are certified.
Í	Please refer to all applicable local codes and regulations for the proper installation of this product.
Personal Safety	 Avoid direct eye exposure to the light source while the product is on. Always disconnect this product from its power source before servicing. Always connect this product to a grounded circuit to avoid the risk of electrocution. Do not touch this product's housing when operating because it may be very hot.
Mounting and Rigging	 This product is for indoor use only! To prevent risk of fire or shock, do not expose this product to rain or moisture. Make sure there are no flammable materials close to this product while operating. When hanging this product, always secure it to a fastening device using a safety cable (not included). Do not carry this product from the head. Always use the base.
Power and Wiring	 Always make sure you are connecting this product to the proper voltage, as per the specifications in this manual or on the product's specification label. Never connect this product to a dimmer pack or rheostat. Never disconnect this product by pulling or tugging on the power cable.
Operation	 Do not operate this product if you see damage on the housing, lenses or cables. Have the damaged parts replaced by an authorized technician at once. Do not cover the ventilation slots when operating to avoid internal overheating. The maximum ambient temperature is 104° F (40° C). Do not operate this product at a higher temperature. In case of a serious operating problem, stop using this product immediately!
	In the unlikely event that your CHAUVET® product may require service, contact CHAUVET® Technical Support.



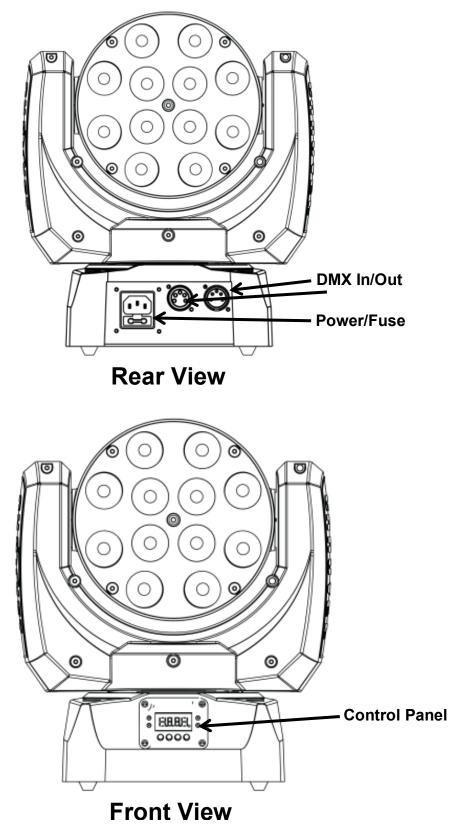
2. Introduction

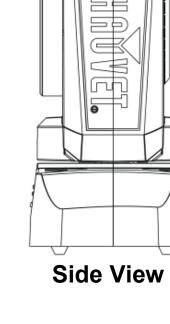
Product Description	The Legend [™] 412 Series consists of high power LED moving head wash products with 4 independent quadrants of control. It is available in a RGBW version or a VW (variable white) version with quad color LEDs. The product consists of a base and a moving head on a yoke. A Top Hat is pre-installed to reduce glare, creating a flat field of light.
Legend™ 412 Features	 12- or 28-channel RGBW quad color LED moving yoke wash product Pan: 630° Tilt: 200° RGBW quad color mixing with or without DMX controller Fast movement Bright quad color LEDs Strobe macros with quadrant strobe Flicker free operation for HD cameras
Legend™ 412 VW Features	 10- or 20-channel VW quad color LED moving yoke wash product Pan:630° Tilt: 200° VW quad color mixing with or without DMX controller Fast movement Bright quad color LEDs Strobe macros with quadrant strobe Fast movement Elicker-free operation for HD cameras

• Flicker-free operation for HD cameras



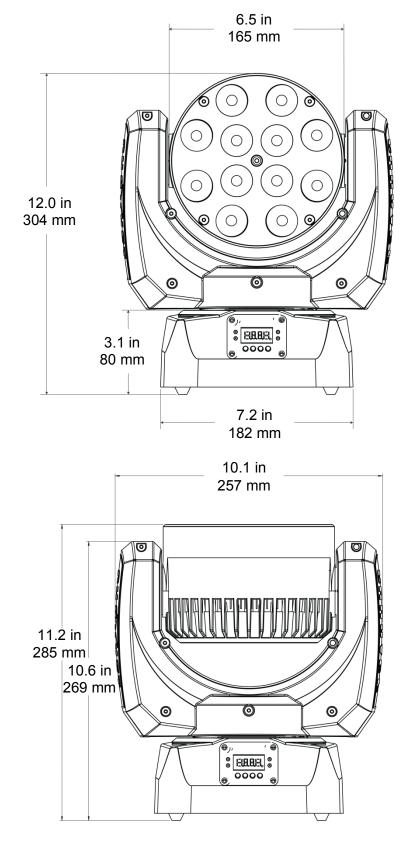
Product Overview





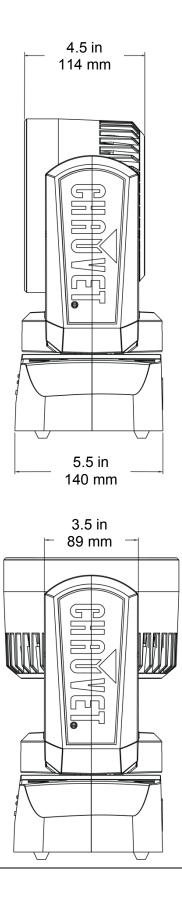


Product Dimensions





Product Dimensions (Cont.)



3. Setup

Setup

AC Power

The Legend[™] 412 Series has an auto-ranging power supply that works with an input voltage range of 100~240 VAC, 50/60 Hz.

Make sure that you are connecting this product to the proper voltage. To determine the power requirements for the Legend[™] 412 Series, refer to the specification label affixed to the product or the specifications in this manual.



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

The listed current rating indicates the maximum current draw during normal operation. For more information, download Sizing the Circuit Breakers from <u>www.chauvetpro.com</u>.



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

The Legend[™] 412 Series should be used with a power input cord terminated with an IEC connector on one end and an Edison plug on the other end (U.S. market). Use the table below to wire a new plug if needed.

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

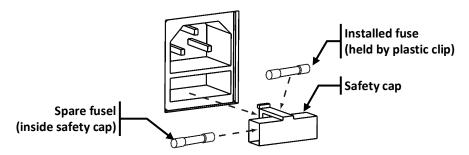


Make sure to disconnect the product's power cord before replacing a blown fuse, and always replace it with a fuse of the same type and rating.

Fuse Replacement

This product uses a T 3.15 A, 250 V fuse.

- 1. Disconnect the product from the power outlet.
- 2. Using a flat head screwdriver, wedge the tip into the slot of the fuse holder.
- 3. Pry the safety cap out of the housing to pull out the installed fuse.
- 4. Remove the blown fuse from the safety cap and replace with a fuse of the exact same type and rating (T 3.15 A, 250 V).
- 5. Insert the fuse holder back in place and reconnect power.





This product ships with a spare fuse inside the safety cap, as shown above.

DMX Linking	You can link the Legend [™] 412 Series to a DMX controller using a standard 5-pin DMX
Ŭ	serial connection. If using other DMX compatible products with the Legend™ 412 Series,
	you can control each individually with a single DMX controller.

DMX Modes The Legend[™] 412 Series uses the standard 5-pin DMX data connection for its ADVANCED and BASIC DMX personalities.

Refer to the <u>Introduction</u> chapter for a brief description of these modes.

Refer to the <u>Operation</u> chapter to learn how to configure the Legend[™] 412 Series to work in these modes.

The <u>DMX Values</u> section will provide you with detailed information regarding the DMX modes.

Master/Slave The Master/Slave mode allows a Legend[™] 412 or a Legend[™] 412 VW (the "master unit") to control one or more Legend[™] 412's or Legend[™] 412 VW's (the "slave units") without a DMX controller. The product becomes the master unit when set in master mode via the control panel. You must configure the slave units to operate in one of the two (2) slave modes from their respective control panels. During the Master/Slave operation, the slave units will operate in unison with the master unit or run offset depending on the slave mode chosen.



Do not connect a Legend[™] 412 together with a Legend[™] 412 VW in Master/Slave mode.

If you are not familiar with or need more 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.chauvetpro.com



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

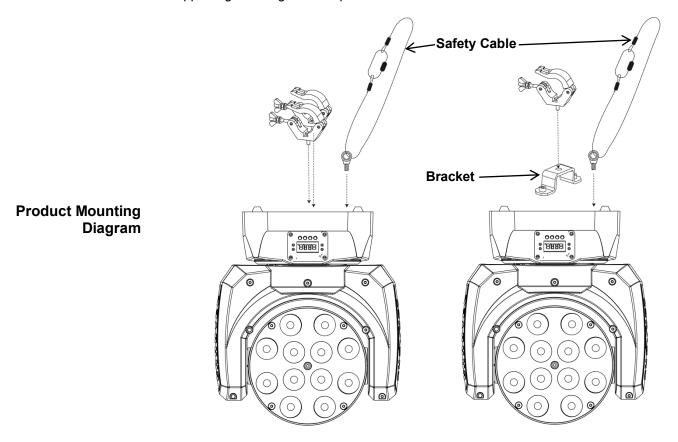


The <u>Operation</u> chapter of this manual provides detailed instructions on how to configure the Master and Slave products.



Mounting Before mounting this product, read and follow the <u>Safety Notes</u> in this manual.

- **Orientation** Always mount this product in any safe position making sure there is adequate room for ventilation, configuration, and maintenance.
 - **Rigging** CHAUVET® recommends using the following general guidelines when mounting this product.
 - When selecting an installation location, consider easy access to this product for operation, programming adjustments, and routine maintenance.
 - Make sure to mount this product away from any flammable material as indicated in the *Safety Notes* section.
 - Never mount the product in places where rain, high humidity, extreme temperature changes, or restricted ventilation may affect it.
 - If hanging this product, make sure that the mounting location can support the product's weight. Refer to the <u>Technical Specifications</u> section for the weight requirement of this product.
- **Procedure** The Legend[™] 412 Series comes with 1 omega bracket, which attaches to the bottom of the product via M12 Allen bolts. This allows you to attach a single clamp to hang the product. You may also attach 2 clamps directly to the fixture via the same 2 M12 mounting screw holes. You must supply your own clamps and make sure the clamps are capable of supporting the weight of this product.



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4. Operation

Control Panel	Button	Function	
Description	<menu></menu>	Exits from the current menu or function	
	<enter></enter>	Enables the currently displayed menu or sets the currently selected value in to the current function	
	<up></up>	Navigates upward through the menu list and increases the numeric value when in a function	
	<down></down>	Navigates downward through the menu list and decreases the numeric value when in a function	
Control Options Legend 412		ne Legend™ 412 start address in the 001~512 DMX range. This enables 18 units in the 28 channel ADVANCED personality.	
Control Options Legend 412 VW		e Legend [™] 412 VW start address in the 001~512 DMX range. This enables 25 units in the 20 channel ADVANCED personality.	
Programming	and a variable • To go to ar	enu Map to understand the menu options. The menu map has a Menu Level number of programming levels for each option. n option in the Menu Level, press <menu></menu> repeatedly until the option shows lay. Press <enter></enter> to select. This will take you to the first programming at 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. In this case, if there is another programming level, you will see that first option, or you will see the selected value.</enter></down></up> 		
	To exit to the second sec	ne previous menu level, press < MENU> .	
DMX Personality	•	ows you to choose a particular DMX personality. d and press <enter></enter> .	
	2. Select the	desired personality based on the product.	
	• Legen	d™ 412:	
		ect 12Ch (Basic) or 28Ch (Advanced)	
	•	d™ 412 VW: pct 10Ch (Basic) or 20Ch (Advanced)	
	• See the <u>DI</u> each perso	MX Values section for the highest starting address you can select for onality.	
	•	that the starting addresses on the various products do not overlap	

• Make sure that the starting addresses on the various products do not overlap due to the new personality setting. See the DMX Values section.



DMX Control	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.

- 1. Select a DMX personality as shown in the <u>DMX Personality</u> section.
- 2. Set the starting address:
 - a. Go to Addr and press <ENTER>.
 - b. Select the starting address (001~512).

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



Lege	nd™ 412	Legend™ 412 VW		
DMX Mode	DMX Address	DMX Mode	DMX Address	
Advanced	485	Advanced	493	
Basic	501	Basic	503	

Static Color The Static mode allows for permanent positioning, strobing, dimming, and RGBW or VW color mixing without a DMX controller.

- 1. Go to NAnu and press <ENTER>.
- 2. Select the desired position (Pan or tlLt).
- 3. Select the desired position value (0~255).
- 4. Repeat for the other position.

|

- 5. Select the desired color based on the product.
 - Legend[™] 412:
 - Red1~4, Gre1~4, bLu1~4, or UhI1~4.
 - Legend[™] 412 VW:

UU1~4, or CU1~4.

- 6. Select the desired color value (0~255).
- 7. Repeat for the other colors.
- 8. Select the desired intensity (dINN).
- 9. Select the desired intensity value (0~255).
- 10. Select Strobe effect (Stro).
- 11. Select the desired frequency (0~255).

Auto Programs Auto programs allow for dynamic RGBW (Legend[™] 412) or VW (Legend[™] 412 VW) color mixing without a DMX controller.

- 1. Go to Shnd and press <ENTER>.
- 2. Select the desired auto program (Sh 1~4).



You cannot edit any of the auto programs (Sh 1~4).

Master/Slave	The Master/Slave mode allows a group of Legend [™] 412's or Legend [™] 412 VW's (the slave units) to simultaneously duplicate the output of another Legend [™] 412 or Legend [™] 412 VW (the master unit) without a DMX controller.
	1. Set each of the slave units:
	a. Go to SLNd and press <enter></enter> .
	 Select SL 1 (duplicates the master unit exactly) or SL 2 (offsets pan and tilt settings that creates a different look).
	2. Set the master unit:
	a. Go to SLNd and press <enter></enter> .
	b. Select NASt.
	c. Go to ShNd and press <enter></enter> .
	d. Select the desired auto program (Sh 1~4).
Í	Do not connect a Legend™ 412 together with a Legend™ 412 VW in Master/Slave mode.
	The master unit is the one that runs an auto program.
	 Do not connect a DMX controller to the units configured for Master/Slave
	• Do not connect a DMX controller to the units configured for master/slave operation.
	 The master unit should be the first unit in the DMX daisy string.
Color Settings	The color setting determines how the Legend™ 412 generates the white color based on
(Legend™ 412 Only)	various RGB settings.
	1. Go to bALA and press <enter></enter> .
	2. Select red, Gree, or bLue.
	3. Select the desired color value (125~255).
	4. Repeat for the other colors.
Blackout Mode	This setting determines whether the Legend [™] 412 or the Legend [™] 412 VW starts playing an auto program when powered up or remains static in the "Home" position.
	1. Go to bLnd and press <enter></enter> .
	2. Select YeS or no .
Display Mode	This setting determines whether the control panel display stays on indefinitely or turns off after 2 minutes of inactivity.
	 Go to Led and press <enter>.</enter>
	2. Select YeS or no .
Pan Invert	This setting allows the user to invert the direction of the pan control.
	1. Go to PAn and press <enter></enter> .
	2. Select YeS or no .
Tilt Invert	This setting allows the user to invert the direction of the tilt control.
	1. Go to tilLt and press <enter>.</enter>
	 Select YeS or no.
Dioplay Invort	
Display Invert	This setting allows the user to invert the direction of the control panel display.

- 1. Go to Led and press <ENTER>.
- 2. Select on or oFF.

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LED Temperature	 This option allows the user to view the LED temperature (C°) of the Legend[™] 412 or the Legend[™] 412 VW. 1. Go to Ledt. 2. Press <enter>.</enter>
CPU Temperature	 This option allows the user to view the CPU temperature (C°) of the Legend[™] 412 or the Legend[™] 412 VW. 1. Go to CPut. 2. Press <enter>.</enter>
Product Hours	 This option shows the user the amount of hours the Legend[™] 412 or the Legend[™] 412 VW has been in use throughout its lifetime. 1. Go to FhrS. 2. Press <enter>.</enter>
Software Version	 This option shows the user the software version currently installed in the Legend[™] 412 or the Legend[™] 412 VW. 1. Go to ver. 2. Press <enter>.</enter>
Self-Test	 This setting allows the user to set the Legend[™] 412 or the Legend[™] 412 VW to the self-test mode. 1. Go to teSt. 2. Press <enter>.</enter>
Reset	 This setting allows the user to reset the Legend[™] 412 or the Legend[™] 412 VW to the "Home" position. 1. Go to rSet. 2. Press <enter></enter>.
Factory Defaults	 This setting allows the user to set the Legend[™] 412 or the Legend[™] 412 VW to the original factory default settings. 1. Go to Prod and press <enter></enter>. 2. Select YeS or no.

Menu Map (Legend[™] 412)

Main Level	Programming Levels		Description
Addr	1~5	12	Sets the DMX starting address
Chad	120	Ch	Sets the 12 channel personality
Chnd	280	Ch	Sets the 28 channel personality
	NA	St	Sets product to Master in Slave mode
SLnd	SL	1	Sets product to Slave 1 in Slave mode
	SL	2	Sets product to Slave 2 in Slave mode
	Sh	1	
Ohmd	Sh	2	
Shnd –	Sh 3		Sets the Auto program
	Sh	4	
bl ad	Ye	S	- Selects whether Blackout mode is active
bLnd –	nc)	
	or	า	Selects whether the display stays on
Led	oF	F	indefinitely or turns off after 2 minutes of inactivity
PAn	Ye	S	Pan is inverted
PAn	no		Pan is normal
tlLt	Ye	S	Tilt is inverted
	no		Tilt is normal
dISP	on		Display is inverted
aisr	oF	F	Display is normal
	red		
bALA	Gree	125~255	Set White Balance
	bLue		

-Continued on next page-



Menu Map cont. (Legend™ 412)

Main Level	Progra	mming Levels	Description
	Pan		Sets Pan 0~630°
	tlLt		Sets Pan 0~200°
	Red1		Sets Quadrant 1 Red LED intensity
	Gre1		Sets Quadrant 1 Green LED intensity
	bLu1		Sets Quadrant 1 Blue LED intensity
	Uhl1		Sets Quadrant 1 White LED intensity
	Red2		Sets Quadrant 2 Red LED intensity
	Gre2		Sets Quadrant 2 Green LED intensity
	bLu2		Sets Quadrant 2 Blue LED intensity
NAnu	Uhl2	0~255	Sets Quadrant 2 White LED intensity
NANU	Red3	0~255	Sets Quadrant 3 Red LED intensity
	Gre3		Sets Quadrant 3 Green LED intensity
	bLu3		Sets Quadrant 3 Blue LED intensity
	Uhl3		Sets Quadrant 3 White LED intensity
	Red4		Sets Quadrant 4 Red LED intensity
	Gre4		Sets Quadrant 4 Green LED intensity
	bLu4		Sets Quadrant 4 Blue LED intensity
	Uhl4		Sets Quadrant 4 White LED intensity
	dINN		Sets dimmer intensity for all LEDs
	Stro		Sets strobe rate 0~30 Hz
teSt		N/A	Runs Self-test program
Ledt		N/A	Shows LED temperature (C°)
CPut	N/A		Shows CPU temperature (C°)
FhrS	N/A		Shows fixture hours
ver	N/A		Shows software version
Prod		YeS	Boost product to factory default
FIUU		no	Reset product to factory default
rSet		N/A	Resets product to "Home" Position

Menu Map (Legend™ 412 VW)

Main Level	Programming Levels	Description
Addr	1~512	Sets the DMX starting address
Chnd	10Ch	Sets the 10 channel personality
Clilla	20Ch	Sets the 20 channel personality
	NASt	Sets product to Master in Slave mode
SLnd	SL 1	Sets product to Slave 1 in Slave mode
	SL 2	Sets product to Slave 2 in Slave mode
	Sh 1	
Churd	Sh 2	Cata the Obau made
Shnd	Sh 3	Sets the Show mode
	Sh 4	
bl ad	YeS	
bLnd	no	Selects whether Blackout mode is active
Led	on	Selects whether the display stays on indefinitely or turns off after 2 minutes of
Leu	oFF	inactivity
PAn	YeS	Pan is inverted
PAN	no	Pan is normal
411.4	YeS	Tilt is inverted
tlLt	no	Tilt is normal
	on	Display is inverted
dISP	oFF	Display is normal

-Continued on next page-



Menu Map cont. (Legend™ 412 VW)

Main Level	Programm	ing Levels	Description	
	Pan		Sets Pan 0~630°	
	tlLt		Sets Pan 0~200°	
	UU1		Quadrant 1 warm white LED intensity	
	CU1		Quadrant 1 cool white LED intensity	
	UU2		Quadrant 2 warm white LED intensity	
NAnu	CU2	0~255	Quadrant 2 cool white LED intensity	
MAIIU	UU3	0~255	Quadrant 3 warm white LED intensity	
	CU3		Quadrant 3 cool white LED intensity	
	UU4		Quadrant 4 warm white LED intensity	
	CU4		Quadrant 4 cool white LED intensity	
	dINN		Sets dimmer intensity for all LEDs	
	Stro		Strobe rate 0~30 Hz	
teSt	N	/A	Runs Self-test program	
Ledt	N	/Α	Shows LED temperature (C°)	
CPut	N	/Α	Shows CPU temperature (C°)	
FhrS	N	/Α	Shows fixture hours	
ver	N	/Α	Shows software version	
Due d	Ye	s		
Prod	n	0	Reset product to factory default	
rSet	N	/Α	Resets product to "Home" Position	

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DMX Values (Legend[™] 412)

12-Channel	Channel	Function	Value	Percent/Setting
(Basic Mode)	1	Pan	000 ⇔ 255	0~100%
	2	Pan Fine	000 ⇔ 255	0~100%
	3	Tilt	000 ⇔ 255	0~100%
	4	Tilt Fine	000 ⇔ 255	0~100%
	5	Pan/Tilt Speed	000 ⇔ 255	0~100%
	6	Dimmer	000 ⇔ 255	0~100%
	7	Strobe	$\begin{array}{c} 000 \Leftrightarrow 019 \\ 020 \Leftrightarrow 039 \\ 040 \Leftrightarrow 059 \\ 060 \Leftrightarrow 079 \\ 080 \Leftrightarrow 099 \\ 100 \Leftrightarrow 119 \\ 120 \Leftrightarrow 139 \\ 140 \Leftrightarrow 159 \\ 160 \Leftrightarrow 179 \\ 180 \Leftrightarrow 199 \\ 200 \Leftrightarrow 219 \\ 220 \Leftrightarrow 255 \end{array}$	Open Strobe 0~30 Hz Strobe Macro 1 Strobe Macro 2 Strobe Macro 3 Strobe Macro 4 Strobe Macro 5 Strobe Effect 1 Strobe Effect 2 Strobe Effect 3 Strobe Effect 4 Open Full
	8	Red	000 ⇔ 255	0~100%
	9	Green	000 ⇔ 255	0~100%
	10	Blue	000 ⇔ 255	0~100%
	11	White	000 ⇔ 255	0~100%
	12	Control		No function Reset Pan/Tilt Reset All Move in Black Reserved for future use Reserved for future use Reserved for future use Reserved for future use

28-Channel (Advanced Mode)



Channel	Function	Value	Percent/Setting		
1	Pan	000 ⇔ 255	0~100%		
2	Pan Fine	000 ⇔ 255	0~100%		
3	Tilt	000 ⇔ 255	0~100%		
4	Tilt Fine	000 ⇔ 255	0~100%		
5	Pan/Tilt Speed	000 ⇔ 255	0~100%		
6	Dimmer	000 ⇔ 255	0~100%		
		000 ⇔ 019	Open		
		020 ⇔ 039	Strobe 0~30 Hz		
		040 ⇔ 059	Strobe Macro 1		
		060 ⇔ 079	Strobe Macro 2		
		080 ⇔ 099	Strobe Macro 3	Note: Creed will some	
7	Strobe	100 🗇 119	Strobe Macro 4	Note: Speed will vary dependent on value	
1	Shope	120 🗇 139	Strobe Macro 5	within the strobe	
		140 🗇 159	Strobe Effect 1	effect/macro.	
		160 🗇 179	Strobe Effect 2	cheed maero.	
		180 ⇔ 199	Strobe Effect 3		
		200 ⇔ 219	Strobe Effect 4		
		220 ⇔ 255	Open Full		
8	Red Quad 1	000 ⇔ 255	0~100%		
9	Green Quad 1	000 ⇔ 255	0~100%		
10	Blue Quad 1	000 ⇔ 255	0~100%		
11	White Quad 1	000 ⇔ 255	0~100%		
12	Red Quad 2	000 ⇔ 255	0~100%		
13	Green Quad 2	000 ⇔ 255	0~100%		
14	Blue Quad 2	000 ⇔ 255	0~100%		
15	White Quad 2	000 ⇔ 255	0~100%		
16	Red Quad 3	000 ⇔ 255	0~100%		
17	Green Quad 3	000 ⇔ 255	0~100%		
18	Blue Quad 3	000 ⇔ 255	0~100%		
19	White Quad 3	000 ⇔ 255	0~100%		
20	Red Quad 4	000 ⇔ 255	0~100%		
21	Green Quad 4	000 ⇔ 255	0~100%		
22	Blue Quad 4	000 ⇔ 255	0~100%		
23	White Quad 4	000 ⇔ 255	0~100%		





(Advanced Mode) 000 0 0 019 No Function (Advanced Mode) 020 0 029 Macro 1 020 0 0 009 Macro 3 050 0 059 040 0 0 40 Macro 3 050 0 059 050 0 059 Macro 4 050 0 059 050 0 059 Macro 5 070 0 077 080 0 089 Macro 5 070 0 079 080 0 089 Macro 6 080 0 089 100 0 100 Macro 10 120 0 129 120 0 129 Macro 11 130 0 13 120 0 129 Macro 13 150 0 15 170 0 179 Macro 10 200 0 225 200 0 205 Macro 10 200 0 225 200 0 205 Macro 10 200 0 225 200 0 205 Macro 2 200 0 205 200 0 205 Macro 3 000 0 007 210 0 0 225 Macro 10 200 0 207 210 0 225 Macro 2 200 0 207 200 0 207 Macro 10 200 0 207 210 0 207 Macro 10 200 0 207 210 0 207 Macro 10 200 0 207 210 0 207 Macro 10 200	28-Channel Cont.	Channel	Function	Value	Percent/Setting
24 Color Macros				000 ⇔ 019	No Function
24 	(
24 Color Macros 000 ↔ 069 Macro 3 100 ↔ 109 Macro 6 080 ↔ 089 Macro 6 100 ↔ 109 Macro 10 100 ↔ 109 Macro 10 110 ↔ 119 Macro 10 100 ↔ 119 Macro 10 110 ↔ 119 Macro 10 100 ↔ 119 Macro 112 110 ↔ 119 Macro 10 100 ↔ 119 Macro 12 110 ↔ 119 Macro 10 100 ↔ 119 Macro 12 110 ↔ 119 Macro 10 100 ↔ 119 Macro 12 110 ↔ 119 Macro 12 110 ↔ 119 Macro 14 110 ↔ 119 Macro 12 110 ↔ 119 Macro 14 110 ↔ 119 Macro 12 110 ↔ 119 Macro 14 110 ↔ 119 Macro 12 100 ↔ 129 Macro 14 110 ↔ 119 Macro 16 100 ↔ 129 Macro 12 200 ↔ 207 Macro 12 100 ↔ 129 Macro 20 220 ↔ 229 Macro 2 220 ↔ 229 Macro 2 200 ↔ 207 No Function 000 ↔ 255 100 ↔ 107 110 ↔ 110 100 ↔ 107 Macro 4 040 ↔ 040 104 ↔ 120 100					
24 Color Macros 000 009 Macro 10 000 000					Macro 3
24 Color Macros 000 0009000000000000000000000000000000				050 ⇔ 059	Macro 4
24 Color Macros 080 0 089 Macro 7 100 0 109 Macro 8 100 0 109 Macro 10 120 0 129 Macro 10 120 0 129 Macro 12 140 0 149 Macro 12 140 0 149 Macro 14 160 0 169 Macro 14 160 0 169 Macro 14 160 0 169 Macro 17 190 0 19 190 0 19 200 0 209 Macro 17 190 0 299 Macro 19 210 0 219 Macro 19 220 0 229 Macro 21 200 0 229 Macro 23 200 0 225 Macro 23 210 0 219 Macro 21 200 0 225 Macro 23 220 0 229 Macro 23 200 0 225 0.00 0 225 210 0 225 Macro 23 0.00 0 225 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				060 ⇔ 069	Macro 5
24 Color Macros 900 © 099, Macro 9 110 © 119, Macro 10 110 © 119, Macro 11 120 © 129, Macro 11 130 © 139, Macro 13 150 © 159, Macro 14 160 © 169, Macro 14 160 © 199, Macro 16 180 © 199, Macro 16 170 © 209, Macro 17 180 © 199, Macro 16 180 © 199, Macro 16 180 © 199, Macro 16 200 © 209, Macro 19 200 © 209, Macro 20 210 © 220, © 229, Macro 20 220 © 229, Macro 20 220 © 229, Macro 20 220 © 229, Macro 20 240 © 255 Macro 20 240 © 255 Macro 20 240 © 255 Macro 3 000 © 007 No Function 010 © 007 No Function 016 © 023 Macro 2 024 © 039 Macro 14 106 © 040, Macro 14 100 © 0407 107 © 04 © 037 Macro 14 108 © 058 Macro 14 108 © 059 Macro 14 108 © 039 Macro 14 108 © 048 © 051 Macro 14 108 © 050 Macro 14 109 © 071 Macro 14 100 © 071 Macro 15				070 ⇔ 079	Macro 6
24 Color Macros 100 © 109 Macro 10 120 © 129 Macro 11 120 © 129 Macro 12 140 © 149 Macro 13 150 © 159 Macro 15 170 © 179 Macro 16 180 © 199 Macro 17 190 © 199 Macro 17 190 © 290 Macro 19 200 © 290 Macro 21 200 © 290 Macro 21 200 © 290 Macro 11 190 © 290 Macro 21 200 © 220 Macro 23 210 © 219 Macro 21 230 © 230 Macro 23 25 Color Macro Speed 000 © 255 001 © 07 No Function 008 © 07 No Function 016 © 023 Macro 1 016 © 023 Macro 10 016 © 024 Macro 10 016 © 024 Macro 10 016 © 023 Macro 10 088 © 055 Macro 10 088 © 056 Macro 10 088 © 056 Macro 10 088 © 056 Macro 10 112 © 127 Macro 10 </th <th></th> <th></th> <th></th> <th>080 ⇔ 089</th> <th>Macro 7</th>				080 ⇔ 089	Macro 7
24 Color Macros 110 © 119 Macro 10 120 © 129 Macro 11 130 © 139 Macro 13 150 © 159 Macro 13 160 © 159 Macro 16 170 © 179 Macro 16 180 © 189 Macro 18 200 © 209 Macro 18 200 © 209 Macro 20 210 © 220 220 © 229 Macro 21 230 © 239 200 © 209 Macro 20 220 © 229 Macro 20 220 © 229 Macro 20 230 © 239 Macro 21 200 © 209 Macro 10 000 © 007 No Function 000 © 007 No Function 008 © 015 Macro 3 032 © 209 Macro 10 016 © 023 Macro 1 016 © 023 Macro 10 016 © 03 Macro 10 048 © 055 Macro 11 016 © 03 Macro 12 040 © 047 Macro 11 016 © 03 Macro 12 040 © 047 Macro 12 014 © 01 016 © 03 048 © 055 Macro 12 014 © 01 016 © 03 048 © 056 Macro 11 016 © 03 Macro 12 048 © 056 Macro					Macro 8
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26 Pan/Tilt Macro Pan/Tilt Macro 008 \$\phi 015 Macro 1 016 \$\phi 023 Macro 2 032 \$\phi 039 Macro 4 040 \$\phi 047 Macro 5 048 \$\phi 055 Macro 6 056 \$\phi 063 Macro 7 064 \$\phi 071 Macro 8 072 \$\phi 079 Macro 11 088 \$\phi 095 Macro 11 096 \$\phi 103 Macro 11 096 \$\phi 103 Macro 11 098 \$\phi 095 Macro 11 098 \$\phi 095 Macro 11 098 \$\phi 095 Macro 11 098 \$\phi 087 Macro 12 104 \$\phi 111 Macro 13 112 \$\phi 119 Macro 14 120 \$\phi 127 Macro 16 136 \$\phi 13 Macro 17 144 \$\phi 151 Macro 18 152 \$\phi 159 Macro 19 160 \$\phi 167 Macro 21 176 \$\phi 138 Macro 22 184 \$\phi 191 Macro 23 192 \$\phi 199 Macro 24 200 \$\phi 221 Macro 26 208 \$\phi 215 Macro 28		25	Color Macro Speed		
26 Pan/Tilt Macro 016 \u00f3 (02) Macro 2 024 \u00f3 (03) Macro 3 032 \u00f3 (03) Macro 4 040 \u00f3 047 Macro 5 048 \u00f3 055 Macro 6 056 \u00f3 056 063 064 \u00f3 071 Macro 7 064 \u00f3 072 Macro 10 088 \u00f3 095 Macro 11 096 \u00f3 103 Macro 13 112 \u00f3 113 Macro 13 112 \u00f3 113 Macro 14 120 \u00f3 127 Macro 16 136 \u00f3 143 Macro 17 144 \u00f3 151 Macro 18 152 \u00f3 159 Macro 19 160 \u00f3 167 Macro 20 168 \u00f3 175 Macro 21 176 \u00f3 183 Macro 23 192 \u00f3 199 Macro 24 200 \u00f3 227 Macro 26 216 \u00f3 224 231 Macro 27 224 \u00f3 231 Macro 29 240 \u00f3 247 Macro 29					
26 Pan/Tilt Macro 26 Pan/Tilt Macro 128 132 128 122 128 128 128 128 128 128 128 128 128 133 128 128 136 143 136 143 136 143 132 151 136 143 139 Macro 16 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143 136 143					
26 9a)2 \$\overline\$ 032 Macro 4 9a)4 \$\overline\$ 047 Macro 5 048 \$\overline\$ 055 Macro 6 056 \$\overline\$ 063 Macro 7 064 \$\overline\$ 071 Macro 9 080 \$\overline\$ 087 Macro 10 088 \$\overline\$ 095 Macro 11 096 \$\overline\$ 103 Macro 11 096 \$\overline\$ 103 Macro 12 104 \$\overline\$ 111 Macro 13 112 \$\overline\$ 119 Macro 14 128 \$\overline\$ 135 Macro 16 136 \$\overline\$ 143 Macro 17 144 \$\overline\$ 151 Macro 19 160 \$\overline\$ 167 Macro 20 168 \$\overline\$ 175 Macro 21 176 \$\overline\$ 183 Macro 22 184 \$\overline\$ 191 Macro 23 192 \$\overline\$ 199 Macro 24 200 \$\overline\$ 227 Macro 26 216 \$\overline\$ 223 Macro 27 224 \$\overline\$ 231 Macro 28 232 \$\overline\$ 239 Macro 29					
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26 Pan/Tilt Macro 112 \$\overline\$ 113 \$\overline\$ 114 \$\overline\$ 114 \$\overline\$ 113 \$\overline\$ 114 \$\overline\$ 118 \$\overline\$ 118 \$\overline\$ 118 \$\overline\$ 118 \$\overline\$ 118 \$\overline\$ 116 \$\overline\$ 118 \$\overline\$ 116 \$\overline\$ 118 \$\overline\$ 116 \$\overline\$ 118 \$\overline\$ 116 \$\o					
26 Pan/Tilt Macro 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 13 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 15 128 ⇔ 135 Macro 17 144 ⇔ 151 Macro 18 152 ⇔ 159 Macro 19 160 ⇔ 167 Macro 20 168 ⇔ 175 Macro 21 176 ⇔ 183 Macro 23 192 ⇔ 199 Macro 23 192 ⇔ 199 Macro 24 200 ⇔ 207 Macro 26 216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 29					
26 Pan/Tilt Macro 104 ⇔ 111 112 ⇔ 119 120 ⇔ 127 128 ⇔ 135 128 ⇔ 135 128 ⇔ 135 128 ⇔ 135 128 ⇔ 135 136 ⇔ 143 Macro 17 144 ⇔ 151 152 ⇔ 159 Macro 19 160 ⇔ 167 Macro 20 168 ⇔ 175 Macro 21 176 ⇔ 183 Macro 21 176 ⇔ 183 Macro 22 184 ⇔ 191 Macro 23 192 ⇔ 199 Macro 24 200 ⇔ 207 Macro 25 208 ⇔ 215 Macro 26 216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
26 Pan/Tilt Macro 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 15 128 ⇔ 135 Macro 16 136 ⇔ 143 Macro 17 144 ⇔ 151 Macro 18 152 ⇔ 159 Macro 19 160 ⇔ 167 Macro 20 168 ⇔ 175 Macro 21 176 ⇔ 183 Macro 23 192 ⇔ 199 Macro 23 192 ⇔ 199 Macro 24 200 ⇔ 207 Macro 26 216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
26 Pan/Tilt Macro 120 ⇔ 127 Macro 15 128 ⇔ 135 Macro 16 136 ⇔ 143 Macro 17 144 ⇔ 151 Macro 18 152 ⇔ 159 Macro 19 160 ⇔ 167 Macro 20 168 ⇔ 175 Macro 21 176 ⇔ 183 Macro 21 176 ⇔ 183 Macro 23 192 ⇔ 199 Macro 24 200 ⇔ 207 Macro 25 208 ⇔ 215 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
26 Pain Fill Macro 128 \$\phi 135 Macro 16 136 \$\phi 143 Macro 17 144 \$\phi 151 Macro 18 152 \$\phi 159 Macro 19 160 \$\phi 167 Macro 20 168 \$\phi 175 Macro 21 176 \$\phi 183 Macro 22 184 \$\phi 191 Macro 23 192 \$\phi 199 Macro 24 200 \$\phi 207 Macro 25 208 \$\phi 215 Macro 27 224 \$\phi 231 Macro 28 232 \$\phi 239 Macro 29 240 \$\phi 247 Macro 30					
$\begin{array}{c} 126 \Leftrightarrow 133 \\ 136 \Leftrightarrow 143 \\ 136 \Leftrightarrow 143 \\ Macro 17 \\ 144 \Leftrightarrow 151 \\ Macro 18 \\ 152 \Leftrightarrow 159 \\ Macro 20 \\ 160 \Leftrightarrow 175 \\ Macro 20 \\ 168 \Leftrightarrow 175 \\ Macro 21 \\ 176 \Leftrightarrow 183 \\ Macro 22 \\ 184 \Leftrightarrow 191 \\ Macro 23 \\ 192 \Leftrightarrow 199 \\ Macro 24 \\ 200 \Leftrightarrow 207 \\ Macro 25 \\ 208 \Leftrightarrow 215 \\ Macro 26 \\ 216 \Leftrightarrow 223 \\ Macro 27 \\ 224 \Leftrightarrow 231 \\ Macro 28 \\ 232 \Leftrightarrow 239 \\ Macro 29 \\ 240 \Leftrightarrow 247 \\ Macro 30 \end{array}$		26	Pan/Tilt Macro		
$144 \Leftrightarrow 151$ Macro 18 $152 \Leftrightarrow 159$ Macro 19 $160 \Leftrightarrow 167$ Macro 20 $168 \Leftrightarrow 175$ Macro 21 $176 \Leftrightarrow 183$ Macro 22 $184 \Leftrightarrow 191$ Macro 23 $192 \Leftrightarrow 199$ Macro 24 $200 \Leftrightarrow 207$ Macro 25 $208 \Leftrightarrow 215$ Macro 26 $216 \Leftrightarrow 223$ Macro 27 $224 \Leftrightarrow 231$ Macro 28 $232 \Leftrightarrow 239$ Macro 29 $240 \Leftrightarrow 247$ Macro 30					
$ \begin{array}{c} 152 \Leftrightarrow 159 & \text{Macro 19} \\ 160 \Leftrightarrow 167 & \text{Macro 20} \\ 168 \Leftrightarrow 175 & \text{Macro 21} \\ 176 \Leftrightarrow 183 & \text{Macro 22} \\ 184 \Leftrightarrow 191 & \text{Macro 23} \\ 192 \Leftrightarrow 199 & \text{Macro 24} \\ 200 \Leftrightarrow 207 & \text{Macro 25} \\ 208 \Leftrightarrow 215 & \text{Macro 26} \\ 216 \Leftrightarrow 223 & \text{Macro 27} \\ 224 \Leftrightarrow 231 & \text{Macro 28} \\ 232 \Leftrightarrow 239 & \text{Macro 29} \\ 240 \Leftrightarrow 247 & \text{Macro 30} \\ \end{array} $					
$ \begin{array}{c} 160 \Leftrightarrow 167 & \text{Macro 20} \\ 168 \Leftrightarrow 175 & \text{Macro 21} \\ 176 \Leftrightarrow 183 & \text{Macro 22} \\ 184 \Leftrightarrow 191 & \text{Macro 23} \\ 192 \Leftrightarrow 199 & \text{Macro 24} \\ 200 \Leftrightarrow 207 & \text{Macro 25} \\ 208 \Leftrightarrow 215 & \text{Macro 26} \\ 216 \Leftrightarrow 223 & \text{Macro 27} \\ 224 \Leftrightarrow 231 & \text{Macro 28} \\ 232 \Leftrightarrow 239 & \text{Macro 29} \\ 240 \Leftrightarrow 247 & \text{Macro 30} \\ \end{array} $					
$ \begin{array}{c} 168 \Leftrightarrow 175 & \text{Macro 21} \\ 176 \Leftrightarrow 183 & \text{Macro 22} \\ 184 \Leftrightarrow 191 & \text{Macro 23} \\ 192 \Leftrightarrow 199 & \text{Macro 24} \\ 200 \Leftrightarrow 207 & \text{Macro 25} \\ 208 \Leftrightarrow 215 & \text{Macro 26} \\ 216 \Leftrightarrow 223 & \text{Macro 27} \\ 224 \Leftrightarrow 231 & \text{Macro 28} \\ 232 \Leftrightarrow 239 & \text{Macro 29} \\ 240 \Leftrightarrow 247 & \text{Macro 30} \\ \end{array} $					
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208 ⇔ 215 Macro 26 216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30					
240 ⇔ 247 Macro 30					
			I	270 47 200	



28-Channel Cont.	Channel	Function	Value	Percent/Setting
(Advanced Mode)	27	Pan/Tilt Macro Speed	000 ⇔ 255	0~100%
			000 ⇔ 007	
	28 C	Control	008 ⇔ 069	Reset Pan/Tilt
			070 ⇔ 129	Reset All
			130 🗇 190	Move in Black
			191 🗇 205	Reserved for future use
			206 ⇔ 221	Reserved for future use
			222 ⇔ 236	Reserved for future use
			237 ⇔ 255	Reserved for future use

CHAUVET.

DMX Values (Legend[™] 412 VW)

10-Channel	Channel	Function	Value	Percent/Setting
(Basic Mode)	1	Pan	000 ⇔ 255	0~100%
	2	Pan Fine	000 ⇔ 255	0~100%
	3	Tilt	000 ⇔ 255	0~100%
	4	Tilt Fine	000 ⇔ 255	0~100%
	5	Pan/Tilt Speed	000 ⇔ 255	0~100%
	6	Dimmer	000 ⇔ 255	0~100%
	7	Strobe	$\begin{array}{c} 000 \Leftrightarrow 019 \\ 020 \Leftrightarrow 039 \\ 040 \Leftrightarrow 059 \\ 060 \Leftrightarrow 079 \\ 080 \Leftrightarrow 099 \\ 100 \Leftrightarrow 119 \\ 120 \Leftrightarrow 139 \\ 140 \Leftrightarrow 159 \\ 160 \Leftrightarrow 179 \\ 180 \Leftrightarrow 199 \\ 200 \Leftrightarrow 219 \\ 220 \Leftrightarrow 255 \end{array}$	OpenStrobe 0~30 HzStrobe Macro 1Strobe Macro 2Strobe Macro 3Strobe Macro 4Strobe Macro 5Strobe Effect 1Strobe Effect 2Strobe Effect 3Strobe Effect 4Open Full
	8	Warm White	000 ⇔ 255	0~100%
	9	Cool White	000 ⇔ 255	0~100%
	10	Control	206 ⇔ 221 222 ⇔ 236	No function Reset Pan/Tilt Reset All Move in Black Reserved for future use Reserved for future use Reserved for future use Reserved for future use

20-Channel (Advanced Mode)



hannel	Function	Value	P	ercent/Setting
1	Pan	000 ⇔ 255	0~100%	
2	Pan Fine	000 ⇔ 255	0~100%	
3	Tilt	000 ⇔ 255	0~100%	
4	Tilt Fine	000 ⇔ 255	0~100%	
5	Pan/Tilt Speed	000 ⇔ 255	0~100%	
6	Dimmer	000 ⇔ 255	0~100%	
•		000 ⇔ 019	Open	
		020 ⇔ 039	Strobe 0~30 Hz	
		040 ⇔ 059	Strobe Macro 1	
		060 ⇔ 079	Strobe Macro 2	
		080 ⇔ 099	Strobe Macro 3	Note: Speed will vary
7	Strobe	100 ⇔ 119	Strobe Macro 4	dependent on value
•		120 ⇔ 139	Strobe Macro 5	within the strobe
		140 ⇔ 159	Strobe Effect 1	effect/macro.
		160 ⇔ 179	Strobe Effect 2	
		180 ⇔ 199 200 ⇔ 219	Strobe Effect 3 Strobe Effect 4	
		200 ⇔ 219 220 ⇔ 255	Open Full	
8	Warm White Quad 1	220 ⇔ 255 000 ⇔ 255	0~100%	
9	Cool White Quad 1	000 ⇔ 255 000 ⇔ 255	0~100%	
9 10	Warm White Quad 2	000 ⇔ 255 000 ⇔ 255	0~100%	
10	Cool White Quad 2	000 ⇔ 255 000 ⇔ 255	0~100%	
12	Warm White Quad 2	000 ⇔ 255 000 ⇔ 255	0~100%	
13	Cool White Quad 3	000 ⇔ 255 000 ⇔ 255	0~100%	
13	Warm White Quad 3	000 ⇔ 255 000 ⇔ 255	0~100%	
15	Cool White Quad 4	000 ⇔ 255 000 ⇔ 255	0~100%	
15		000 ⇔ 233 000 ⇔ 019	No Function	
		020 ⇔ 019	Macro 1	
		030 ⇔ 039	Macro 2	
		040 ⇔ 049	Macro 3	
		050 ⇔ 059	Macro 4	
		060 ⇔ 069	Macro 5	
		070 ⇔ 079	Macro 6	
		080 ⇔ 089	Macro 7	
	Color Macros	090 ⇔ 099	Macro 8	
		100 ⇔ 109	Macro 9	
		110 ⇔ 119	Macro 10	
16				
		130 ⇔ 139 140 ⇔ 149	Macro 12 Macro 13	
		140 ⇔ 149 150 ⇔ 159	Macro 14	
		160 ⇔ 169	Macro 15	
		170 ⇔ 179	Macro 16	
		180 ⇔ 189	Macro 17	
		190 ⇔ 199	Macro 18	
		200 ⇔ 209	Macro 19	
		210 ⇔ 219	Macro 20	
		220 ⇔ 229	Macro 21	
		230 ⇔ 239	Macro 22	
		240 ⇔ 255	Macro 23	





20 Channel Cont.	Channel	Function	Value	Percent/Setting
(Advanced Mode)			000 ⇔ 007	No Function
, , , , , , , , , , , , , , , , , , ,			008 ⇔ 015	Macro 1
			016 ⇔ 023	Macro 2
			024 ⇔ 031	Macro 3
			032 ⇔ 039	Macro 4
			040 ⇔ 047	Macro 5
			048 ⇔ 055	Macro 6
			056 ⇔ 063	Macro 7
			064 ⇔ 071	Macro 8
			072 ⇔ 079	Macro 9
			080 ⇔ 087	
			088 ⇔ 095	
			096 ⇔ 103	
			104 🗇 111	Macro 13
			112 ⇔ 119	Macro 14
	18	Pan/Tilt Macro		
	10		128 🗇 135	Macro 16
			136 ⇔ 143	Macro 17
			144 ⇔ 151	
			152 ⇔ 159	Macro 19
				Macro 20
			168 ⇔ 175	
			176 ⇔ 183	Macro 22
				Macro 23
			192 ⇔ 199	
			200 ⇔ 207	Macro 25
			208 ⇔ 215	Macro 26
			216 ⇔ 223	Macro 27
			224 ⇔ 231	Macro 28
			232 ⇔ 239	Macro 29
			240 ⇔ 247	Macro 30
			248 ⇔ 255	Macro 31
	19	Pan/Tilt Macro Speed	000 ⇔ 255	0~100%
			000 ⇔ 007	No function
			008 ⇔ 069	Reset Pan/Tilt
			070 ⇔ 129	Reset All
	20	Control		Move in Black
			191 ⇔ 205	
				Reserved for future use
				Reserved for future use
			237 ⇔ 255	Reserved for future use



5. Technical Information

Product Maintenance To maintain optimum performance and minimize wear, clean this product frequently. 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 product, follow the recommendations below:

- Unplug the unit from power.
- Wait until the unit has cooled.
- Use a vacuum (or dry compressed air) and a soft brush to remove dust collected on the external vents and accessible internal components.
- Clean all external optics and plastic surfaces with a mild solution of non-ammonia glass cleaner or isopropyl alcohol.
- Apply the solution directly to a soft, lint-free cotton cloth or a lens cleaning tissue.
- Wipe any dirt or grime to the outside edge of the lens surface.
- Gently polish the lens surfaces until they are free of haze and lint.



Always dry the external optics and plastic surfaces carefully after cleaning them.

Refrain from spinning this product's fan using compressed air.



Troubleshooting Guide

Symptom	Cause(s)	Action(s)	
	Dimmer fader set to "0"	Increase the value of the dimmer channel	
	All color faders set to "0"	Increase the value of the color channels	
Product does not light up	All colors in Static mode are set to "0"	Increase the values of the colors	
	No power	Verify external power circuit and wiring	
	Faulty internal power supply Faulty main control board	Send unit for repair	
	Faulty LED		
One of the LEDs does	Faulty LED module	Send unit for repair	
not work	Faulty LED driver		
Two or more LEDs do not work on a single	Faulty LED module	Send unit for repair	
module	Faulty LED driver		
The wrong LEDs light up	Wrong personality	Change the personality	
when using DMX	Wrong DMX address	Change the DMX address	
Circuit breaker/fuse	Excessive circuit load	Reduce total load placed on the electrical circuit	
keeps tripping/blowing	Short circuit along the power wires	Check electrical wiring	
	No power	Check for voltage on outlet	
Unit does not power up	Loose or damaged power cord	Check power cord	
	Blown fuse	Replace fuse	
	Faulty internal power supply	Send unit for repair	
	Wrong DMX addressing	Check unit addressing	
	Damaged DMX cables	Check DMX cables	
	Wrong polarity on the controller	Check polarity switch settings on the controller	
	Loose DMX cables	Check cable connections	
	Non DMX cables	Use only DMX compatible cables	
	Bouncing signals	Install terminator as suggested	
Unit does not respond to wired DMX or responds erratically	Long cable / low level signal	Install an optically coupled DMX splitter before a long section of cable or right after the unit with the strong signal	
	Too many units	Install an optically coupled DMX splitter after uni #32	
	Interference from AC wires	Keep DMX cables separated from power cables or fluorescent/black lights	
	Faulty Display/Main/DMX interface board	Send unit for repair	
	Faulty Display/Main board	Send unit for repair	



If you have technical problems after trying the solutions provided, contact <u>CHAUVET® Technical Support</u>.



Returns Procedure

You must send the merchandise 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 for the return.

Clearly label the package with an RMA number. CHAUVET $\ensuremath{\mathbb{B}}$ 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

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 are recommended.



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

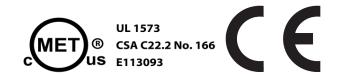
Contact Us	World Headquarters	S	United Kingdo	om & Ireland
	CHAUVET®		CHAUVET® Euro	ope Ltd.
	General Information Address:	5200 NW 108th Avenue	General Informa Address:	tion Unit 1C Brookhill Road Industrial Estate
	Voice: Fax:	Sunrise, FL 33351 (954) 929-1115 (954) 929-5560		Pinxton, Nottingham, UK NG16 6NT
	Toll free:	(800) 762-1084	Voice: Fax:	+44 (0)1773 511115 +44 (0)1773 511110
	Technical Support		Technical Supp	ort
	Voice: Fax: Email:	(954) 929-1115 (Press 4) (954) 756-8015 tech@chauvetlighting.com	Email:	uktech@chauvetlighting.com
	World Wide Web		World Wide Wel	0
		www.chauvetpro.com		www.chauvetlighting.co.uk

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



Technical Specifications Legend[™] 412

Dimensions and Weight	Length	Width	Height	Weight
weight	5.5 in (140 mm)	10.1 in (257 mm)	12.0 in (304 mm)	10.1 lbs (4.58 kg)
	Note: Dimensions in inches	rounded to the nearest	decimal digit.	
Electrical	Power Supply Type	Range		Voltage Selection
	Switching (internal)	100~240 V, 50/60 Hz		Auto-ranging
	Parameter	120 V, 60 Hz		230 V, 50 Hz
	Consumption	144	144 W	
	Operating current	1.8	A	.5 A
	Fuse	T 3.15 A	, 250 V	T 3.15 A, 250 V
	Power I/O	US/Worldwide		Europe
	Power input connector	IEC	IEC	
	Power output connector	N//	N/A	
	Power cord plug	Edison	(US)	Local plug
Light Source	Туре	Pow	Power	
-	LED	10 \	10 W	
	Color	Quantity		Current
	Quad Color	12	2	700 mA (per die)
Photo Optic	Parameter	Standard	Optics	
	Illuminance @ 5 m	1,500	XI C	
	Beam angle	12.0	0°	
	Field angle	23.0	Do	
Thermal	Max. External Temperatu	re Cooling	System	
	104° F (40° C)	Conve	ction	
DMX	I/O Connectors	Connecte	or Type	Channel Range
	5-pin XLR	Sock	ets	12,28
Ordering	Product Name	Item C	Code	UPC Number
-	Legend™ 412	06010	0406	781462207588

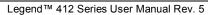




Technical Specifications Legend[™] 412 VW

Dimensions and	Length	Width	Height	Weight	
Weight	5.5 in (140 mm)	10.1 in (257 mm)	12.0 in (304 mm)	10.1 lbs (4.58 kg)	
	Note: Dimensions in inches	rounded to the nearest	decimal digit.		
Electrical	Power Supply Type	Rar	ige	Voltage Selection	
	Switching (internal)	100~240 V, 50/60 Hz		Auto-ranging	
	Parameter	120 V, 60 Hz		230 V, 50 Hz	
	Consumption	165	W	170 W	
	Operating current	1.4	A	.7 A	
	Fuse	T 3.15 A	T 3.15 A, 250 V		
	Power I/O	Power I/O US/Worldwide		Europe	
	Power input connector	IE	С	IEC	
	Power output connector	N/	A	N/A	
	Power cord plug	Edisor	Edison (US)		
Light Source	Туре	Pov	Power		
	LED	10 W		50,000 hours	
	Color	Quantity		Current	
	Quad Color	1:	12		
Photo Optic	Parameter	Standard	d Optics		
	Illuminance @ 5 m	1,68	680 lx		
	Beam angle	12.	12.0°		
	Field angle	23.0°			
Thermal	Max. External Temperatu	re Cooling	System		
	104° F (40° C)	Conve	Convection		
DMX	I/O Connectors	Connect	or Type	Channel Range	
	5-pin XLR	Sockets		10,20	
Ordering	Product Name	Item	Code	UPC Number	
_	Legend™ 412 VW	0601	0425	781462207779	







CHAUVET® 5200 NW 108th Avenue Sunrise, FL 33351 (USA) (800) 762-1084 – (954) 929-1115 FAX (954) 929-5560 www.chauvetlighting.com

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