



| 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. | | | |
| | Author | Date | Editor | Date |
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Table of Contents

| 1. Before You Begin | 1 |
|-----------------------------------|---|
| What Is Included | |
| Unpacking Instructions | |
| Claims | |
| Conventions | |
| Symbols | 2 |
| Product at a Glance | |
| Expected LED Lifespan | 2 |
| Safety Notes | |
| Personal Safety | 3 |
| Mounting and Rigging | 3 |
| Power and Wiring | 3 |
| Operation | đ |
| 2. Introduction | 4 |
| Product Description | 2 |
| Legend™ 412 Features | |
| Legend™ 412 VW Features | |
| Product Overview | |
| Product Dimensions | |
| Product Dimensions (Cont.) | |
| | |
| 3. Setup | |
| AC Power | |
| AC Plug | 8 |
| Fuse Replacement | |
| DMX Linking | |
| DMX Modes | |
| Master/Slave Connectivity | |
| Mounting Orientation | |
| Rigging | |
| Procedure | |
| Product Mounting Diagram | |
| 4. Operation | |
| - | |
| Control Panel Description | |
| Control Options Legend 412 | |
| Control Options Legend 412 VW | |
| Programming | |
| DMX Personality DMX Control | |
| Static Color | |
| Auto Programs | |
| Master/Slave | |
| Color Settings | |
| Blackout Mode | |
| Display Mode | |
| Pan Invert | |
| Tilt Invert | |
| Display Invert | |
| LED Temperature | |
| CPU Temperature | |
| Product Hours Software Version | |
| Software version | |
| | |



| Reset | 14 |
|--|----|
| Factory Defaults | |
| Menu Map (Legend™ 412) | |
| | |
| Menu Map cont. (Legend™ 412) | |
| Menu Map (Legend™ 412 VW) | |
| Menu Map cont. (Legend™ 412 VW) | |
| DMX Values (Legend™ 412) | |
| 12-Channel | |
| 28-Channel | |
| 28-Channel Cont | |
| 28-Channel Cont | |
| DMX Values (Legend™ 412 VW) | 23 |
| 10-Channel | |
| 20-Channel | 24 |
| 20 Channel Cont | |
| 5. Technical Information | 26 |
| Draduct Maintanance | 00 |
| Product Maintenance | |
| Troubleshooting Guide | |
| Returns Procedure | |
| Contact Us | |
| Technical Specifications Legend [™] 412 | |
| Technical Specifications Legend™ 412 VW | |
| | |



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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. |



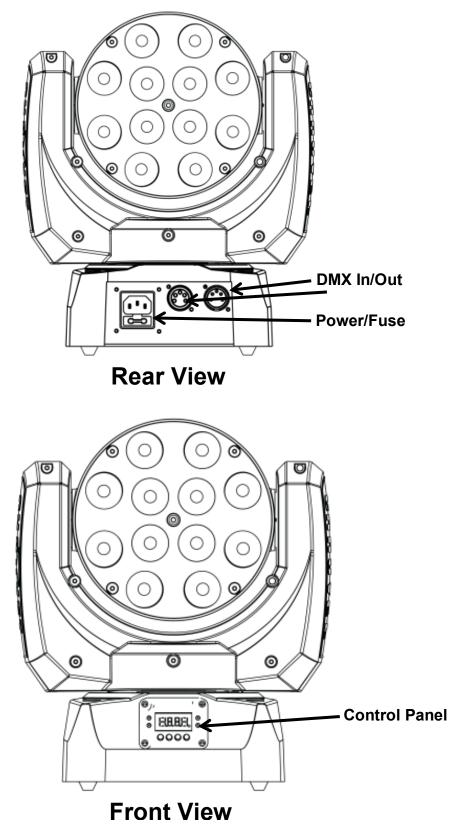
2. Introduction

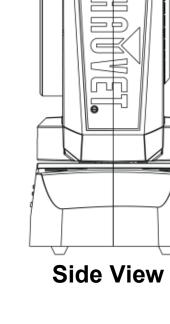
| Product Description | The Legend [™] 412 Series consists of high power LED moving head wash products with 4 independent quadrants of control. It is available in a RGBW version or a VW (variable white) version with quad color LEDs. The product consists of a base and a moving head on a yoke. A Top Hat 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



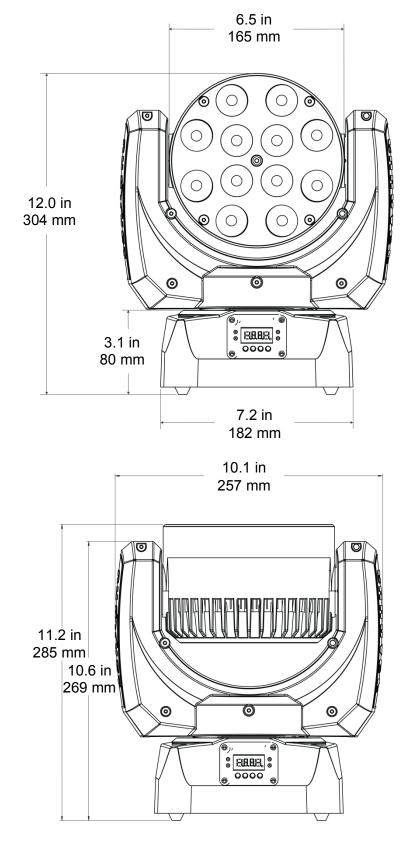
Product Overview





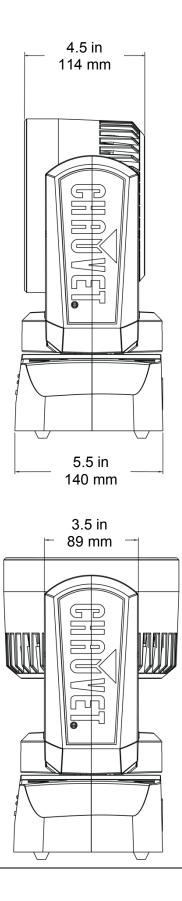


Product Dimensions





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 |

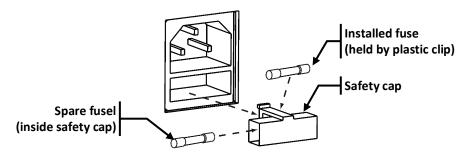


Make sure to disconnect the product's power cord before replacing a blown fuse, and always replace it with a fuse of the same type and rating.

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.

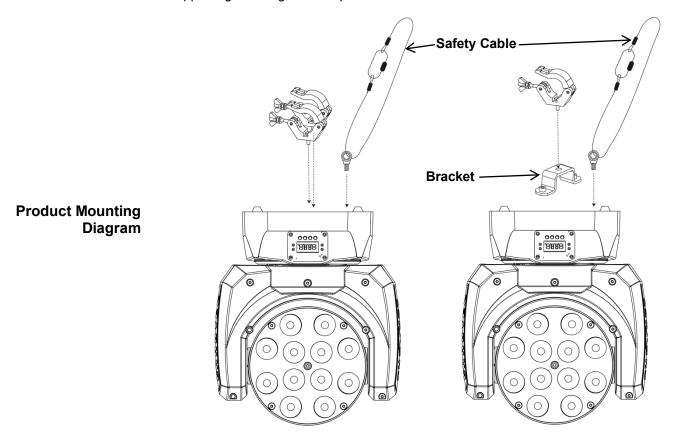


The <u>Operation</u> chapter of this manual provides detailed instructions on how to configure the Master and Slave products.



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 | |

CHAUVET.

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 |
| 24 Color Macros 120 © 129 Macro 11 140 © 149 Macro 12 140 © 149 Macro 13 150 © 159 Macro 14 160 © 16 170 © 179 160 © 199 Macro 17 190 © 199 Macro 17 190 © 199 Macro 19 210 © 220 Macro 21 230 © 239 Macro 21 230 © 239 Macro 21 230 © 239 Macro 21 230 © 239 Macro 19 210 © 210 © 219 Macro 10 000 © 007 No Function 000 © 007 No Function 000 © 007 No Function 010 © 000 © 007 No Function 016 © 023 Macro 10 020 © 030 Macro 10 066 © 03 Macro 11 020 © 030 Macro 11 016 © 03 Macro 11 020 © 037 Macro 11 016 © 03 Macro 11 032 © 039 Macro 10 068 © 055 Macro 11 040 © 047 Macro 11 040 © 047 Macro 12 104 © 014 112 © 119 Macro 11 066 © 03 Macro 12 106 © 105 Macro 12 114 © 114 112 © 119 11 | | | | | Macro 9 |
| 24 Color Macros 130 ⇔ 139 Macro 12 140 ⇔ 149 Macro 13 150 ⇔ 159 Macro 14 160 ⇔ 169 Macro 16 170 ⊕ 219 Macro 18 200 ⇔ 209 Macro 20 220 ⇔ 229 Macro 20 220 ⇔ 229 Macro 20 220 ⇔ 229 Macro 22 240 ⇔ 255 Macro 23 25 Color Macro Speed 000 ⇔ 255 000 ⇔ 255 Macro 1 008 ⇔ 015 Macro 1 008 ⇔ 015 Macro 2 024 ⇔ 021 Macro 3 032 ⇔ 039 Macro 4 040 ⇔ 047 Macro 4 048 ⇔ 055 Macro 1 026 ⇔ 037 Macro 11 038 ⇔ 045 Macro 12 104 ⇔ 011 Macro 14 102 ⇔ 127 Macro 14 108 ⇔ 138 Macro 18 016 ⇔ 023 Macro 18 016 ⇔ 017 Macro 18 112 ⊕ 117 Macro 18 < | | | | | |
| 26 Pan/Tilt Macro 26 Pan/Tilt Macro 26 Pan/Tilt Macro 10 0 10 0 10 0 10 0 10 0 10 0 10 10 10 19 200 20 | | 24 | Color Macros | | |
| 26 Pan/Tilt Macro 26 Pan/Tilt Macro 26 Pan/Tilt Macro 26 Pan/Tilt Macro | | 24 | | | |
| 26 Pan/Tilt Macro 160 ÷ 169 Macro 16 100 ÷ 169 Macro 17 190 ÷ 199 Macro 18 20 220 Macro 19 210 ÷ 219 Macro 20 230 ÷ 229 Macro 21 230 ÷ 229 Macro 21 230 ÷ 229 Macro 21 230 ÷ 225 Macro 21 240 ÷ 255 0~100% 000 ÷ 205 0~100% 000 ÷ 205 Macro 10 008 ÷ 015 Macro 10 08 ÷ 015 Macro 1 000 ÷ 205 Macro 10 08 ÷ 015 Macro 1 016 ÷ 023 Macro 1 016 ÷ 023 Macro 2 024 ÷ 031 Macro 3 022 ÷ 039 Macro 4 040 ÷ 047 Macro 5 048 ÷ 055 Macro 10 088 ÷ 095 Macro 11 096 ÷ 031 Macro 11 096 ÷ 103 Macro 12 104 ÷ 111 Macro 16 132 ÷ 133 Macro 18 112 ÷ 112 Macro 16 136 ÷ 143 Macro 16 136 ÷ 143 Macro 16 136 ÷ 143 Macro 21 120 ÷ 127 Macro 21 16 136 ÷ 143 136 ÷ 143 Macro 16< | | | | | |
| 26 Pan/Tilt Macro 26 Pan/Tilt Macro 26 Pan/Tilt Macro | | | | 150 🗇 159 | |
| 180 180 Macro 17 190 Macro 18 200 200 200 210 210 220 220 220 Macro 20 230 220 220 240 225 Macro 21 230 220 220 240 225 Macro 23 25 Color Macro Speed 000 255 0~100% 000 001 No Enuction 000 000 000 000 020 000 020 020 220 022 022 024 023 Macro 1 016 023 000 020 000 025 0~100% 010 024 031 021 032 039 Macro 2 024 032 032 030 032 032 032 030 032 032 030 030 030 030 030 030 030 030 030 030 030 030 030 030 030 030 030 <t< th=""><th></th><th></th><th></th><th></th><th></th></t<> | | | | | |
| 190 © 199 Macro 18 200 © 209 Macro 19 210 © 219 Macro 20 220 © 229 Macro 21 230 © 230 Macro 23 240 © 255 Macro 23 25 Color Macro Speed 000 © 007 000 © 007 No Function 008 © 015 Macro 1 016 © 023 Macro 3 032 © 039 Macro 6 040 © 047 Macro 6 055 Macro 6 066 © 056 Macro 7 064 © 071 Macro 8 072 © 079 Macro 9 080 © 087 Macro 10 088 © 087 Macro 11 096 © 103 Macro 12 104 © 111 Macro 13 112 © 127 Macro 14 120 © 127 Macro 16 138 © 143 Macro 17 144 ⇔ 151 Macro 18 150 © 167 Macro 20 168 © 175 Macro 21 176 © 188 Macro 21 186 ⇔ 175 Macro 18 152 © 159 Macro 19 160 ⇔ 167 Ma | | | | | |
| 26 Pan/Tilt Macro 200 200 Macro 20 28 Macro 20 220 Macro 20 290 220 30 Macro 21 230 230 290 225 Macro 23 Macro 23 23 200 220 225 Macro 23 23 23 200 225 Macro 23 23 23 23 2010 225 024 023 Macro 3 3 202 024 023 Macro 3 3 3 220 024 033 Macro 3 | | | | | |
| 210 ⇔ 219 Macro 20 220 ⇔ 229 Macro 21 230 ⇔ 225 Macro 22 240 ⇔ 255 D 25 Color Macro Speed 000 ⇔ 2057 000 ⇔ 2057 No Function 008 ⇔ 015 Macro 1 016 ⇔ 023 Macro 2 024 ⇔ 031 Macro 3 030 ⇔ 0407 Macro 4 040 ⇔ 047 Macro 4 040 ⇔ 047 Macro 5 048 ⇔ 055 Macro 6 056 ⇔ 056 Macro 10 088 ⇔ 057 Macro 10 088 ⇔ 0587 Macro 10 088 ⇔ 0597 Macro 11 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 14 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 16 128 ⇔ 135 Macro 16 128 ⇔ 135 Macro 11 120 ⇔ 127 Macro 11 120 ⇔ 127 Macro 12 144 ⇔ 151 Macro 14 120 ⇔ 127 Macro 16 128 ⇔ 135 Macro 17 144 ⇔ 151 Macro 21 186 ⇔ 175 | | | | | |
| 220 ⇔ 229 Macro 21 230 ⇔ 239 Macro 22 240 ⇔ 229 Macro 23 25 Color Macro Speed 000 ⇔ 255 0~100% 000 ⇔ 007 50 Macro 1 016 ⇔ 023 Macro 2 024 ⇔ 253 024 ⇔ 240 ⇔ 255 0~100% 016 ⇔ 023 Macro 1 016 ⇔ 023 Macro 2 024 ⇔ 031 Macro 3 032 ⇔ 039 Macro 4 040 ⇔ 047 Macro 5 044 ⇔ 055 Macro 6 056 ⇔ 063 Macro 7 064 ⇔ 071 Macro 8 072 ⇔ 079 Macro 10 086 ⇔ 067 Macro 11 096 ⇔ 103 Macro 11 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 13 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 16 136 ⇔ 143 Macro 17 144 ⇔ 151 Macro 18 150 ⇔ 167 Macro 20 186 ⇔ 175 Macro 21 160 ⇔ 167 Macro 21 160 ⇔ 167 Macro 21 184 ⇔ 191 <td< th=""><th></th><th></th><th></th><th></th><th></th></td<> | | | | | |
| 230 ÷ 239 Macro 23 240 ÷ 255 Macro 23 25 Color Macro Speed 000 ÷ 255 0~100% 000 ÷ 007 No Function 008 ÷ 015 Macro 1 016 ÷ 023 Macro 2 024 ÷ 031 Macro 3 032 ÷ 039 Macro 5 048 ÷ 055 Macro 6 046 ÷ 055 Macro 1 Macro 5 048 ÷ 055 048 ÷ 055 Macro 10 088 ÷ 095 Macro 11 040 ÷ 011 Macro 10 088 ÷ 095 Macro 11 096 ÷ 013 Macro 11 096 ÷ 103 Macro 14 112 ÷ 119 Macro 14 120 ÷ 127 Macro 15 120 ÷ 127 Macro 18 152 ÷ 159 Macro 16 136 ÷ 143 Macro 21 116 ÷ 183 Macro 21 176 ÷ 183 Macro 22 184 ÷ 191 Macro 24 200 ÷ 207 Macro 24 200 ÷ 207 Macro 24 200 ÷ 207 Macro 27 224 ÷ 231 Macro 27 122 ÷ 159 Macro 24 200 ÷ 207 Macro 24 200 ÷ 20 | | | | | |
| 240 ↔ 255 Macro 23 25 Color Macro Speed 000 ↔ 255 0~100% 008 ↔ 015 Macro 1 016 ↔ 023 016 ↔ 023 Macro 2 024 ↔ 031 022 ↔ 039 Macro 3 032 ↔ 039 032 ↔ 039 Macro 6 056 ↔ 063 040 ↔ 047 Macro 9 086 ↔ 055 048 ↔ 055 Macro 10 088 ↔ 095 080 ↔ 087 Macro 11 096 ↔ 013 080 ↔ 087 Macro 12 104 ↔ 111 112 ↔ 119 Macro 13 112 ↔ 119 128 ↔ 135 Macro 15 128 ↔ 135 136 ↔ 143 Macro 18 152 ↔ 159 152 ↔ 159 Macro 21 116 ↔ 167 160 ↔ 167 Macro 21 116 ↔ 167 186 ↔ 175 Macro 24 200 ↔ 207 200 ↔ 207 Macro 24 | | | | | |
| 25 Color Macro Speed 000 \$\operatorname{255} 0~100% 000 \$\operatorname{007} No Function 008 \$\operatorname{08}\$ 015 016 \$\operatorname{02}\$ Macro 1 016 \$\operatorname{02}\$ Macro 2 024 \$\operatorname{03}\$ Macro 3 032 \$\operatorname{03}\$ Macro 4 040 \$\operatorname{04}\$ 040 \$\operatorname{04}\$ Macro 6 056 \$\operatorname{06}\$ 048 \$\operatorname{05}\$ Macro 10 088 \$\operatorname{08}\$ Macro 10 088 \$\operatorname{08}\$ Macro 11 Macro 10 088 \$\operatorname{08}\$ 046 \$\operatorname{013}\$ Macro 11 Macro 10 088 \$\operatorname{08}\$ 080 \$\operatorname{08}\$ Macro 11 Macro 11 100 \$\operatorname{08}\$ 104 \$\operatorname{013}\$ Macro 12 104 \$\operatorname{04}\$ 111 112 \$\operatorname{013}\$ Macro 13 112 \$\operatorname{013}\$ 112 110 \$\operatorname{013}\$ Macro 14 120 \$\operatorname{03}\$ 136 \$\operatorname{04}\$ 120 \$\operatorname{03}\$ Macro 17 144 \$\operatorname{04}\$ 136 \$\operatorname{04}\$ 120 \$\operatorn | | | | | |
| 26 000 ⇔ 007 No Function 008 ⇔ 015 Macro 1 016 ⇔ 023 Macro 2 024 ⇔ 031 Macro 3 032 ⇔ 039 Macro 6 040 ⇔ 047 Macro 6 040 ⇔ 047 Macro 7 064 ⇔ 071 Macro 7 064 ⇔ 071 Macro 9 080 ⇔ 085 Macro 10 088 ⇔ 095 Macro 11 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 13 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 15 128 ⇔ 135 Macro 16 136 ⇔ 143 Macro 18 152 ⇔ 159 Macro 21 160 ⇔ 157 Macro 21 176 ⇔ 183 Macro 21 176 ⇔ 183 Macro 22 184 ⇔ 191 Macro 23 192 ⇔ 199 Macro 24 200 ⇔ 207 Macro 28 232 ⇔ 239 Macro 27 224 ⇔ 231 Macro 27 224 ⇔ 231 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macr | | | | 240 ⇔ 255 | |
| 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 | | | | | |
| 26 040 \$\operatormal{O}047 Macro 5 980 \$\operatormal{O}056 066 \$\operatormal{O}056 066 \$\operatormal{O}056 072 \$\operatormal{O}79 Macro 8 072 \$\operatormal{O}79 Macro 10 088 \$\operatormal{O}95 Macro 10 096 \$\operatormal{O}10 088 \$\operatormal{O}95 080 \$\operatormal{O}10 088 \$\operatormal{O}95 096 \$\operatormal{O}10 088 \$\operatormal{O}95 104 \$\operatormal{O}111 Macro 13 112 \$\operatormal{O}119 Macro 14 120 \$\operatormal{O}17 Macro 14 120 \$\operatormal{O}17 Macro 18 152 \$\operatormal{O}18 Macro 20 160 \$\operatormal{O}167 Macro 21 176 \$\operatormal{O}18 Macro 22 184 \$\operatormal{O}19 Macro 24 200 \$\operatormal{O}21 Macro 26 216 \$\operatormal{O}22 Macro 26 216 \$\operatormal{O}22 Macro 28 <th></th> <th></th> <th></th> <th></th> <th></th> | | | | | |
| 26 048 ⇔ 055 Macro 6 Pan/Tilt Macro 066 ⇔ 063 Macro 7 060 ⇔ 071 Macro 9 080 ⇔ 087 Macro 10 086 ⇔ 095 Macro 11 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 13 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 15 128 ⇔ 135 Macro 17 144 ⇔ 151 Macro 17 144 ⇔ 151 Macro 18 152 ⇔ 159 Macro 21 160 ⇔ 167 Macro 21 176 ⇔ 183 Macro 22 184 ⇔ 191 Macro 23 192 ⊕ 199 Macro 24 200 ⇔ 207 Macro 26 200 ⇔ 207 Macro 26 216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 28 232 ⇔ 239 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 30 | | | | | |
| 26 9an/Tilt Macro Pan/Tilt Macro 056 ⇔ 063 Macro 7 064 ⇔ 071 Macro 8 072 ⇔ 079 Macro 10 080 ⇔ 087 Macro 10 088 ⇔ 095 Macro 11 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 14 120 ⇔ 127 Macro 16 136 ⇔ 143 122 ⇔ 127 128 ⇔ 135 Macro 16 136 ⇔ 143 152 ⇔ 159 168 ⇔ 175 Macro 19 160 ⇔ 167 Macro 20 168 ⇔ 175 Macro 21 176 ⇔ 183 Macro 22 184 ⇔ 191 Macro 23 192 ⇔ 199 Macro 24 208 ⇔ 215 Macro 26 216 ⇔ 223 Macro 27 224 ⇔ 231 Macro 27 224 ⇔ 231 Macro 28 | | | | | |
| 26 Pan/Tilt Macro 064 \$\phi 071\$ Macro 9 080 \$\phi 087\$ Macro 10 096 \$\phi 087\$ Macro 11 096 \$\phi 103\$ Macro 12 104 \$\phi 111\$ Macro 13 112 \$\phi 119\$ Macro 14 120 \$\phi 127\$ Macro 15 128 \$\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 23 192 \$\phi 199\$ Macro 24 200 \$\phi 207\$ Macro 24 200 \$\phi 207\$ Macro 28 224 \$\phi 231\$ Macro 29 240 \$\phi 247\$ Macro 29 240 \$\phi 247\$ Macro 29 | | | | | |
| 26 072 ⇔ 079 Macro 9 9080 ⇔ 087 Macro 10 096 ⇔ 103 Macro 12 104 ⇔ 111 Macro 13 112 ⇔ 119 Macro 14 120 ⇔ 127 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 24 200 ⇔ 207 Macro 26 216 ⇔ 223 Macro 27 220 ⇔ 224 Macro 28 232 ⇔ 239 Macro 29 240 ⇔ 247 Macro 29 | | | | | |
| 26 Pan/Tilt Macro 080 ⇔ 087 Macro 10 112 ⇔ 113 Macro 12 104 ⇔ 111 Macro 13 112 ⇔ 119 Macro 14 120 ⇔ 127 Macro 16 136 ⇔ 143 Macro 17 144 ⇔ 151 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 24 200 ⇔ 207 Macro 26 216 ⇔ 223 Macro 28 222 ⇔ 239 Macro 29 240 ⇔ 247 Macro 29 | | | | | |
| 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} $ | | | | | |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | |
| $ \begin{array}{c} 184 \Leftrightarrow 191 \\ 192 \Leftrightarrow 199 \\ 200 \Leftrightarrow 207 \\ 200 \Leftrightarrow 207 \\ 208 \Leftrightarrow 215 \\ 208 \Leftrightarrow 215 \\ 216 \Leftrightarrow 223 \\ 224 \Leftrightarrow 231 \\ 222 \Leftrightarrow 239 \\ 232 \Leftrightarrow 239 \\ 240 \Leftrightarrow 247 \\ 240 \Leftrightarrow 247 \\ 240 \Rightarrow 247 $ | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | |
| $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | | | | |
| 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 |

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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).

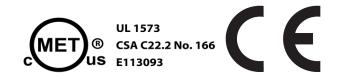
| Contact Us | World Headquarters | S | United Kingdo | om & Ireland |
|------------|---------------------------------|--|-----------------------------|---|
| | CHAUVET® | | CHAUVET® Euro | ope Ltd. |
| | General Information Address: | 5200 NW 108th Avenue | General Informa Address: | tion Unit 1C Brookhill 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 |

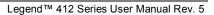




Technical Specifications Legend[™] 412 VW

| 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

Legend[™] 412 User Manual Rev. 5 August 2012

