

ELIMINATOR[®]

LIGHTING



MEGA PAR PROFILE EP

User Manual

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DOCUMENT VERSION



Due to additional product features and/or enhancements, an updated version of this document may be available online. Please check www.adj.com for the latest revision/update of this manual before beginning installation and/or programming.

Date	Document Version	Software Version >	DMX Channel Mode	Notes
09/12/23	1.0	1.07	4 / 5 / 6 / 9 / 10 Ch	Initial release

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GENERAL INFORMATION

UNPACKING

Thank you for purchasing the Mega Par Profile Plus by Eliminator Lighting. Every unit has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the event that damage is been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

INTRODUCTION

This device is a DMX intelligent, high powered LED par fixture, and can be used in stand alone mode or connected in a primary-secondary configuration. This wash has five operating modes: Sound Active mode, Auto mode, RGB + UV Dimmer mode, Static Color mode, and DMX control mode. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit for future reference.

CUSTOMER SUPPORT

Tel: (323) 213-4592 | Fax: (323) 582-2941

www.adj.com | support@eliminatorlighting.com

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, as doing so will void your manufacturer's warranty. In the event that your unit requires service, please contact Eliminator Lighting for assistance.

PLEASE recycle the shipping carton when ever possible.

LIMITED WARRANTY (USA ONLY)

- A. Eliminator Lighting, an ADJ Products, LLC brand, hereby warrants, to the original purchaser, Eliminator Lighting products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.
- B. For warranty service, you must obtain a Return Authorization number (RA#) before sending back the product—please contact ADJ Products, LLC Service Department at 800-322-6337. Send the product only to the Eliminator Lighting factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Eliminator Lighting will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, Eliminator Lighting shall have no liability whatsoever for loss of or damage to any such accessories, or for the safe return thereof.
- C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which Eliminator Lighting concludes, after inspection, affects the reliability of the product, if the product has been repaired or service by anyone other than ADJ Products, LLC factory unless prior written authorization was issued to purchaser by Eliminator Lighting; if the product is damaged because not properly maintained as set forth in the instruction manual.
- D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check up. During the period specified above, Eliminator Lighting will replace defective parts at its expense with new or refurbished parts, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Eliminator Lighting under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Eliminator Lighting. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. Eliminator Lighting reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.
- F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Eliminator Lighting in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Eliminator Lighting be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.
- G. This warranty is the only written warranty applicable to Eliminator Lighting products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

LIMITED WARRANTY PERIODS

- **All Eliminator Lighting products (except laser diodes) = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobos, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excludes laser diodes which have 6 month limited warranty)
- **Batteries = 180 Day Limited Warranty** (excluding batteries which have a 180 day limited warranty)

WARRANTY REGISTRATION

This device carries a 2 year limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items, whether under warranty or not, must be freight pre-paid and accompanied by a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. You may obtain a R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

FEATURES

- Five Operating Modes
- Electronic Dimming 0-100%
- 5 Selectable Dimming Curves
- 64 Color Macros
- Built in Microphone
- DMX-512 protocol
- 3-Pin DMX Connection
- 5 DMX Modes: 4 Channel Mode, 5 Channel Mode, 6 Channel Mode, 9 Channel Mode, & 10 Channel Mode.
- ADJ LED RC2 compatible (Not Included)
- Power Cord Daisy Chain (see **Power Cord Daisy Chain** section of this manual)

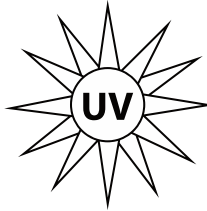
INSTALLATION

This unit should be mounted using a mounting clamp (not provided) and affixing it to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed in order to avoid vibration and slipping during operation. Always ensure that the structure to which you are attaching the unit is secure and is able to support at least 10 times the unit's weight. Also, always use a safety cable that can support at least 12 times the weight of the unit when installing the fixture. The equipment must be installed by a professional, and it must be installed in a place where it is out of the reach of the general public.

SAFETY GUIDELINES



HIGH INTENSITY ULTRAVIOLET LIGHT



**AVOID DIRECT EYE & SKIN EXPOSURE.
WEAR PROPER EYE & SKIN PROTECTION.
SEE MANUAL FOR SAFETY INSTRUCTIONS.**

RISK GROUP 3 - RISK OF EXPOSURE TO ULTRAVIOLET UV RADIATION!

FIXTURE EMITS HIGH INTENSITY WAVELENGTH OF ULTRAVIOLET UV LIGHT FROM THE UV COLOR FILTER.

WEAR PROPER EYE AND SKIN PROTECTION. AVOID PROLONGED PERIODS OF EXPOSURE TO UV COLOR FILTER.

AVOID WEARING WHITE COLOR CLOTHING AND/OR USING UV PAINTS ON SKIN. AVOID DIRECT EYE AND/OR SKIN EXPOSURE AT DISTANCES LESS THAN 11 feet (3.3m).

DO NOT OPERATE FIXTURE WITH DAMAGED/MISSING EXTERNAL COVERS.

DO NOT LOOK DIRECTLY INTO THE UV LIGHT AND/OR VIEW UV LIGHT DIRECTLY WITH OPTICAL INSTRUMENTS THAT MAY CONCENTRATE THE LIGHT/RADIATION OUTPUT.

INDIVIDUALS SUFFERING FROM A RANGE OF EYE CONDITIONS, SUNLIGHT EXPOSURE DISORDERS, OR INDIVIDUALS USING PHOTSENSITIVE MEDICATION, MAY EXPERIENCE DISCOMFORT IF EXPOSED TO THE ULTRAVIOLET UV LIGHT EMITTED FROM THE UV LED.

SAFETY GUIDELINES

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover for any reason. There are no user serviceable parts inside.
- Never operate this unit with the cover removed.
- Never plug this unit in to a dimmer pack.
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6” (15cm) between this device and a wall.
- Do not attempt to operate this unit if it has been damaged in any way.
- This unit is intended for indoor use only, and use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit from main power.
- Always mount this unit in safe and stable matter.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point at which they exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the **Cleaning** section of this manual for details.
- Heat - The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged.
 - B. Objects have fallen onto, or liquid has been spilled into, the appliance.
 - C. The appliance has been exposed to rain or water.
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

OVERVIEW



SYSTEM MENU

MODE	SETUP	UP / DOWN	DESCRIPTION
DMX Mode	dxxx	d001 - d512	Set DMX address
	Chxx	Ch04	4-channel DMX mode
		Ch05	5-channel DMX mode
		Ch06	6-channel DMX mode
		Ch09	9-channel DMX mode
		Ch10	10-channel DMX mode
	blAc / LAst / ProG	blAc	Unit blacks out and switches all LEDs off if DMX signal lost/interrupted
LAst		Unit holds last state before signal was lost if DMX signal lost/interrupted	
ProG		Unit runs internal programs if DMX signal lost/interrupted	
	dr-x	dr-0 ~ dr-4	Select dimmer curve
Dimmer Mode	r.xxx	r.000 ~ r.255	Adjust red intensity
	G.xxx	G.000 ~ G.255	Adjust green intensity
	b.xxx	b.000 ~ b.255	Adjust blue intensity
	u.xxx	u.000 ~ u.255	Adjust UV intensity
	FS.xx	FS.00 ~ FS.15	Adjust flash speed (FS.00 is off, FS.01 is slowest, FS.15 is fastest)
Sound Mode	So.xx	So.01 ~ So.16	Select from 16 built in sound modes
	SJ-x	SJ-1 ~ SJ-8	Adjust sensitivity of sound mode (SJ-1 is least sensitive, SJ-8 is most sensitive)
Auto Run Mode	AF.xx	AF.01 ~ AF.16	Select from 16 dreaming modes
	AJ.xx	AJ.01 ~ AJ.16	Select from 16 jumping modes
	A-JF		Select dreaming-jumping mode, in which the unit will switch between the two modes in a continuous cycle
	SP.xx	SP.01 ~ SP.16	Adjust the auto run speed
Static Color Select Mode	CL.xx	CL.00 ~ CL.64	Select static color (refer to Color Macros Chart section of this manual for details)
	FS.xx	FS.00 ~ FS.15	Adjust flash speed (FS.00 is off, FS.01 is slowest, FS.15 is fastest)
Other Mode	d.xxx	don	Display always on
		doFF	Display off
	lr.xx	IRon	IR remote function switched on
		IRoF	IR remote function switched off
	Stnd / rEv	Stnd	Normal display orientation
		rEv	Inverted display orientation
dEFA		Revert unit to factory default settings	

OPERATING INSTRUCTIONS

System Menu: The display will lock after 30 seconds, press the **MODE** button for 3 seconds to unlock.

Operating Modes:

The Mega Par Profile Plus has five operating modes:

- *Sound-Active mode* - The unit will react to sound, chasing through the built in programs. There are 16 selectable sound active modes.
- *Color Macro Mode* - Choose from 64 color options.
- *Auto Mode* - Choose from 3 Auto Modes.
- *RGB+UV Dimmer Mode* - Choose one of the four colors to remain static or adjust the intensity of each color to make your desired color.
- *DMX control mode* - This function will allow you to control each individual DMX traits using a standard DMX 512 controller.

DMX Mode:

Operating through a DMX controller gives the user the freedom to create custom programs tailored to their own individual needs. This function also allows you to use your fixtures as spot lights. 5 DMX modes are available: 4 channel mode, 5 channel mode, 6 channel mode, 9 channel mode, and a 10 channel mode. Refer to the **DMX Traits** section of this manual for detailed information.

1. To run your fixture in DMX mode, press the **MODE** button until “d.XXX” is displayed, where “XXX” represents the currently selected DMX address. Use the **UP** or **DOWN** buttons to select your desired DMX address, then press the **SETUP** button to select your DMX Channel mode.
2. Use the **UP** or **DOWN** buttons to scroll through the DMX Channel modes. The Channel modes are listed below:
 - “Ch04” = 4 Channel DMX Mode.
 - “Ch05” = 5 Channel DMX Mode.
 - “Ch06” = 6 Channel DMX Mode.
 - “Ch09” = 9 Channel DMX Mode.
 - “Ch10” = 10 Channel DMX Mode.

Plug in the fixture via the XLR connections to any standard DMX controller.

No DMX State:

This setting defines the way the fixture will behave in the event that the DMX signal is lost or interrupted, or which operating mode the unit will return to when power is applied.

1. Plug the fixture in and press the **MODE** button until “d.XXX” is displayed. “XXX” represents the currently selected DMX address.
2. Press the **SET UP** button so that “nodn” is displayed. Use the **UP** and **DOWN** buttons to scroll through the DMX states.
 - “bLAC” (*Blackout*) - If the DMX signal is lost or interrupted, the unit will automatically go into stand by mode.
 - “LAST” (*Last State*) - If the DMX signal is lost or interrupted, the fixture will stay in the last DMX set up.
 - “ProG” (*Auto Run*) - If the DMX signal is lost or interrupted, the unit will automatically go into Auto Run mode.
3. Use the **UP** and **DOWN** buttons to find your desired DMX state and press **SET UP** to confirm and exit.

OPERATING INSTRUCTIONS

Dimmer Curve:

This is used to set the dimming curve used with DMX mode. Please refer to the **Dimmer Curve Chart** section of this manual for detailed information.

1. Plug the fixture in and press the MODE button until “DMX MODE” is displayed.
2. Press the SET UP button until “dr-X” is displayed. “X” represents the displayed dimmer curve (0-4).
 - 0 - Standard
 - 1 - Stage
 - 2 - TV
 - 3 - Architectural
 - 4 - Theatre
3. Press the UP or DOWN buttons to scroll through and select your desired dimming curve.

RGB+UV Dimmer Mode:

1. Plug the fixture in and press the MODE button until the desired color mode is shown on the display. Options are as follows:
 - “r.XXX” = Red dimming mode.
 - “G.XXX” = Green dimming mode.
 - “b.XXX” = Blue dimming mode.
 - “u.XXX” = UV dimming mode.
2. Once the desired color option is shown on the display, press the UP and DOWN buttons to adjust intensity.
3. Activate strobing by pressing the SET UP button to enter the Flash (strobe) mode. “FS.XX” will be displayed, indicating that the unit is in Flash mode. The Flash can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash).

Sound Mode:

When this mode is activated, the fixture will react to sound and chase through the different colors.

1. Plug the fixture in and press the MODE button until “SoXX” is displayed. “XX” represents the sound active mode (1-16) that is currently selected. The fixture will now change in response to sound inputs.
2. Press the SET UP button to adjust the sound sensitivity. “SJ-X” should be displayed. Use the UP or DOWN buttons to adjust the sensitivity. “SJ-1” is the lowest sensitivity, and “SJ-8” is the highest.

Auto Run Mode:

There are 3 Auto Run Modes to choose from: Color Fade, Color Change, and both modes running together. The running speed is adjustable in all 3 modes.

1. Plug the fixture in and press the MODE button until either “AFXX”, “AJXX”, or “A-JF” is displayed.
 - AFXX = Color Fade mode, with 16 Color Fade modes to choose from. Use the UP or DOWN buttons to scroll through the different modes.
 - AJXX = Color Change mode, with 16 Color Change modes to choose from. Use the UP or DOWN buttons to scroll through the different modes.
 - A-JF = Both Color Fade and Color Change modes running.
2. After you have chosen your desired running mode, press the SET UP button until “SP.XX” is displayed. Use the UP and DOWN buttons to set the running speed of the selected program, with selectable values ranging from “SP.01” (slowest) to “SP.16” (fastest). Press the SET UP button to return to your desired AutoRun Mode.

OPERATING INSTRUCTIONS

Static Color Mode:

1. Plug the fixture in and press the MODE button until “CLXX” is displayed.
2. There are 64 colors to choose from. Select your desired color by pressing the UP and DOWN buttons.

Activate strobing by pressing the SET UP button to enter the Flash (strobe) mode. “FS.XX” will be displayed, indicating that the unit is in flash mode. The Flash can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash).

LED Display On/Off:

To set the LED display to turn off after 10 seconds, press the MODE button until “don” is displayed, then press the UP button to display “doff”. The display will turn off after 10s. The display can be turned back on by pressing any button. To set the display press the MODE button until “dXX” is displayed. Use the UP or DOWN buttons to select either:

- “don” = LED display on at all times.
- “doFF” = LED display shuts off after 10 seconds.

ADJ LED RC2:

This function is used to activate or deactivate the ADJ LED RC2 (Remote Control). When this function is activated, you can control the fixture using the ADJ LED RC2. Refer to the **ADJ LED RC2** section of this manual for detailed information about controls and functions.

1. Plug the fixture in and press the MODE button until “dXX” is displayed. “XX” represents either “on” or “oFF”.
2. Press the SET UP button until “lrXX” is displayed. “XX” represents either “on” or “oF”.
3. Press the UP or DOWN buttons to either activate the remote function (On) or deactivate it (Off).

LED Display Inversion:

Flip the display 180° so that the display can be read when the unit is upside down.

1. Plug the fixture in and press the MODE button until “dXX” is displayed. “XX” represents either “on” or “oFF”.
2. Press the SET UP button until “Stnd” is displayed.
3. Press the UP or DOWN buttons to reverse the display 180°.

Default Running Mode:

When activated, all fixture settings will return to their default factory values.

1. Plug the fixture in and press the MODE button until “dXX” is displayed. “XX” represents either “on” or “oFF”.
2. Press the SET UP button until “dEFA” is displayed.
3. Press the UP and DOWN buttons simultaneously, then press the MODE button to exit.

PRIMARY SECONDARY CONFIGURATION

This function will allow you to link units together to run in a Primary-Secondary set-up, in which one unit will act as the controlling unit, and the others will react to the controlling unit's built-in programs. Any unit can act as a primary or as a secondary, but only one unit in a given system can be programmed to act as the primary.

Connections and Settings:

1. Daisy chain your units via the XLR connectors on the rear panel of each unit. Use standard XLR data cables to link your units together. Remember that the male XLR connector is the input and the female XLR connector is the output. The first unit in the chain (primary) will use the female XLR connector only, and the last unit in the chain will use the male XLR connector only.
2. Connect the first secondary unit to the primary.
3. Set the primary unit to your desired mode of operation, then set the secondary unit(s) to the DMX address setting. The secondary unit(s) will now follow the primary.

ADJ LED RC2

The ADJ LED RC2 infrared remote (sold separately) controls many different functions and gives the user complete control of this device. The controller must be aimed at the front of the fixture, and maximum range is 30 feet. To use the ADJ LED RC2, the fixture's infrared receiver must first be activated, as explained in the Operation Instructions section of this manual. ***Please note that the unit will only respond to remote inputs when the unit is in primary mode.***

BLACKOUT - Press this button to blackout the fixture.

PROGRAM SELECTION - This button will let you access color change mode, color fade mode, auto run mode, or static color mode. Each press of this button will cycle to the next mode in sequence. Once the desired mode has been selected, use the "+" or "-" buttons to scroll through the programs or static colors. When using the auto run, color fade, or color change, press the Speed button, then use the "+" or "-" to adjust the running speed. The unit's LEDs will flash different colors to indicate the selected mode, as follows:

- Red LEDs flash = Color Fade Mode.
- Green LEDs flash = Color Change Mode.
- Blue LEDs flash = Auto Run Mode.
- UV LED flashes = Static Color Mode.

FLASH - This button activates the strobe effect. You can control the flash rate by pressing the "+" and "-" buttons. Press this button again to exit strobe mode.

SPEED - Press this button and use the "+" & "-" buttons to adjust the speed of the auto run, color change, and color fade, or adjust the sound sensitivity in sound active mode.

DMX MODE - Press this button to scroll through DMX addressing, DMX Channel mode, DMX last state setting, and dimming curves. When your desired menu/submenu is found, use the "+" & "-" buttons to scroll through the settings. Refer to the **DMX Traits** section of this manual for detailed information.

SECD/SA (SOUND ACTIVE) - Use this button to toggle between sound active mode and secondary mode. In sound active mode, use the "+" and "-" buttons to scroll through the 16 sound active programs. Press the Speed button to and use the "+" and "-" buttons to adjust the sound sensitivity. This designates the fixture as a secondary fixture in a primary/secondary configuration.

SET ADDRESS - Press this button to set the DMX address, then use the number keys to enter in a 3-digit value for the DMX address. For example, to set the unit to a DMX address of 1, press the SET ADDRESS button, then key in "0 - 0 - 1" using the number keys.

R G B A - Press the button representing the desired color, then press the "+" or "-" to adjust the brightness. Please note that "A" selects UV dimmer mode.

“+” and “-” - Use these buttons to adjust the flash rate, speed of the built-in programs, sound sensitivity, and program selection.

ADJ LED RC2

DMX MODE:

Operating through an DMX controller gives the user the freedom to create custom programs tailored to their own individual needs. Follow the directions below to set your DMX channel mode and address.

1. Before connecting to a DMX controller, please select your desired mode by pressing the DMX Mode button, then using the “+” or “-” buttons to scroll through and select your desired DMX Channel Mode. **Set the mode before you address the fixture.**
2. After you have selected your mode, set the DMX address for the fixture by pressing the “S” button. The LEDs will flash 2-3 times and all the red LED’s will illuminate. Use the number buttons key in a 3-digit DMX address. Please note that when setting the DMX address, an LED will glow each time a number is pressed, then all LEDs will flash 2-3 times when you have set the DMX address correctly.
3. Now you may connect the fixture to any standard DMX controller via the XLR connections.
 - All LEDs flash = 4-channel mode.
 - Red LEDs flash = 5-channel mode.
 - Green LEDs flash = 6-channel mode.
 - Blue LEDs flash = 9-channel mode.
 - UV LED flashes = 10-channel mode.



DMX SETUP

DMX-512: DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a DATA “OUT” terminal).

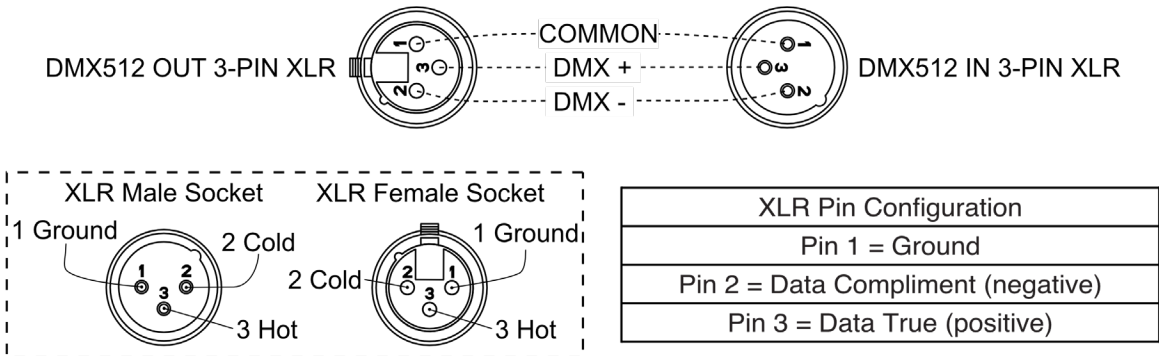
DMX Linking: DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): This unit can be controlled via DMX-512 protocol and features 5 selectable DMX modes. Please refer to the **DMX Traits** section of this manual for detailed information. The DMX address can be set using the controls on the rear panel of the unit. Your unit and your DMX controller require a 3-pin XLR connector for data input/output. We recommend Accu-Cable DMX cables. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores). Your cables should be made with a male XLR connector on one end and a female XLR connector on the other. Also remember that DMX cable must be daisy chained and cannot be split.



DMX SETUP

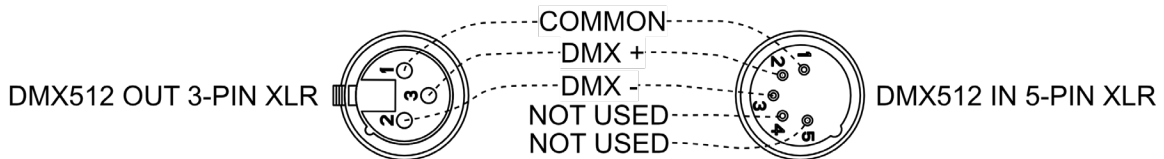
Notice: Be sure to the figures below when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.



Special Note: Line Termination. When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (ADJ part number Z-DMX/T) will decrease the possibilities of erratic behavior.



5-Pin XLR DMX Connectors: Some manufacturers use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be integrated into a 3-pin DMX line with a 5-pin to 3-pin adapter cable. These adapters are readily available at most electronics stores. Follow the chart below for a proper conversion.



3-Pin XLR to 5-Pin XLR Conversion		
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

DMX SETUP

DMX Addressing:

All fixtures should be given a DMX starting address when using a DMX controller, in order to ensure that the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control signal sent out from the DMX controller. The assignment of this starting DMX address is achieved by setting the correct DMX address on the digital control display on the fixture.

You can set the same starting address for all fixtures or a group of fixtures, or set different addresses for each individual fixture. Setting all fixtures to the same DMX address will cause all fixtures to react in the same way; in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of DMX channels of each fixture. That means changing the settings of one channel will only affect the selected fixture. For instance, when this unit is set to 6 Channel mode, you should set the starting DMX address of the first unit to 1, the second unit to 7 (1 + 6), the third unit to 13 (1 + 6 + 6), the fourth unit to 19 (1 + 6 + 6 + 6), etc...

Channel Mode	Unit 1 Address	Unit 2 Address	Unit 3 Address	Unit 4 Address
4Ch	1	5	9	13
5Ch	1	6	11	16
6Ch	1	7	13	19
9Ch	1	10	19	28
10Ch	1	11	21	31

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
4Ch	5Ch	6Ch	9Ch	10Ch		
1	1	1	1	1	000 - 255	Red , 0% to 100%
2	2	2	2	2	000 - 255	Green , 0% to 100%
3	3	3	3	3	000 - 255	Blue , 0% to 100%
4	4	4	4	4	000 - 255	UV , 0% to 100%
						Shutter / Strobe
					000 - 031	LED Off
					032 - 063	LED On
					064 - 095	Strobing, slow to fast
		5	5	5	096 - 127	LED On
					128 - 159	Strobe Pulse, slow to fast
					160 - 191	LED On
					192 - 223	Random Strobe, slow to fast
					224 - 255	LED On
	5	6	6	6	000 - 255	Master Dimmer , 0% to 100%
						Program Selection Mode
					000 - 051	Dimming Mode
			7	7	052 - 102	Color Macro Mode
					103 - 153	Color Change Mode
					154 - 204	Color Fade Mode
					205 - 255	Sound Active Mode
						Color Macros / Programs / Sound Activity
					000 - 255	Color Macro Mode , see Color Macro Chart section of this manual
						Color Change Program Mode
					000 - 015	Color Change 1
					016 - 031	Color Change 2
					032 - 047	Color Change 3
					048 - 063	Color Change 4
					064 - 079	Color Change 5
					080 - 095	Color Change 6
					096 - 111	Color Change 7
					112 - 127	Color Change 8
					128 - 143	Color Change 9
					144 - 159	Color Change 10
					160 - 175	Color Change 11
					176 - 191	Color Change 12
					192 - 207	Color Change 13
					208 - 223	Color Change 14
					224 - 239	Color Change 15
					240 - 255	Color Change 16

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DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
4Ch	5Ch	6Ch	9Ch	10Ch		
			8	8		<i>Color Fade Program Mode</i>
					000 - 015	Color Fade 1
					016 - 031	Color Fade 2
					032 - 047	Color Fade 3
					048 - 063	Color Fade 4
					064 - 079	Color Fade 5
					080 - 095	Color Fade 6
					096 - 111	Color Fade 7
					112 - 127	Color Fade 8
					128 - 143	Color Fade 9
					144 - 159	Color Fade 10
					160 - 175	Color Fade 11
					176 - 191	Color Fade 12
					192 - 207	Color Fade 13
					208 - 223	Color Fade 14
					224 - 239	Color Fade 15
					240 - 255	Color Fade 16
						<i>Sound Active Mode</i>
					000 - 015	Sound Active Mode 1
					016 - 031	Sound Active Mode 2
					032 - 047	Sound Active Mode 3
					048 - 063	Sound Active Mode 4
					064 - 079	Sound Active Mode 5
					080 - 095	Sound Active Mode 6
					096 - 111	Sound Active Mode 7
					112 - 127	Sound Active Mode 8
					128 - 143	Sound Active Mode 9
					144 - 159	Sound Active Mode 10
			160 - 175	Sound Active Mode 11		
			176 - 191	Sound Active Mode 12		
			192 - 207	Sound Active Mode 13		
			208 - 223	Sound Active Mode 14		
			224 - 239	Sound Active Mode 15		
			240 - 255	Sound Active Mode 16		
			9	9		<i>Program Speed / Sound Sensitivity</i>
					000 - 255	<i>Program Speed</i> , slow to fast
					000 - 255	<i>Sound Sensitivity</i> , least to most sensitive

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DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
4Ch	5Ch	6Ch	9Ch	10Ch		
				10		<i>Dimmer Curves</i>
					000 - 020	Standard
					021 - 040	Stage
					041 - 060	TV
					061 - 080	Architectural
					081 - 100	Theatre
					101 - 255	Default to unit setting

NOTES:

- When Channel 7 is between the values of 000 - 051, Channels 1-4 are used, and Channel 5 will control strobing.
- When Channel 7 is between the values of 052 - 102, Channel 8 is in Color Macros Mode, and Channel 5 will control strobing.
- When Channel 7 is between the values of 103 - 153, Channel 8 is in Color Change Mode, and Channel 9 will control the color change speed.
- When Channel 7 is between the values of 154 - 204, Channel 8 is in Color Fade Mode, and Channel 9 will control the color fade speed.
- When Channel 7 is between the values of 205 - 255, Channel 8 is in Sound Active Mode, and Channel 9 will control the sound sensitivity.

COLOR MACROS CHART

COLOR NO.	DMX VALUES	COLOR INTENSITY			
		RED	GREEN	BLUE	UV
Color0 (off)	000	0	0	0	0
Color1	001 - 004	80	255	234	80
Color2	005 - 008	80	255	164	80
Color3	009 - 012	77	255	112	77
Color4	013 - 016	117	255	83	83
Color5	017 - 020	160	255	77	77
Color6	021 - 024	223	255	83	83
Color7	025 - 028	255	243	77	77
Color8	029 - 032	255	200	74	74
Color9	033 - 036	255	166	77	77
Color10	037 - 040	255	125	74	74
Color11	041 - 044	255	97	77	74
Color12	045 - 048	255	71	77	71
Color13	049 - 052	255	83	134	83
Color14	053 - 056	255	93	182	93
Color15	057 - 060	255	96	236	96
Color16	061 - 064	238	93	255	93
Color17	065 - 068	196	87	255	87
Color18	069 - 072	150	90	255	90
Color19	073 - 076	100	77	255	77
Color20	077 - 080	77	100	255	77
Color21	081 - 084	67	148	255	67
Color22	085 - 088	77	195	255	77
Color23	089 - 092	77	234	255	77
Color24	093 - 096	158	255	144	144
Color25	097 - 100	255	251	153	153
Color26	101 - 104	255	175	147	147
Color27	105 - 108	255	138	186	138
Color28	109 - 112	255	147	251	147
Color29	113 - 116	151	138	255	138
Color30	117 - 120	151	138	255	138
Color31	121 - 124	138	169	255	138
Color32	125 - 128	255	255	255	255
Color33	129 - 132	255	206	143	0
Color34	133 - 136	254	177	153	0
Color35	137 - 140	254	192	138	0
Color36	141 - 144	254	165	98	0

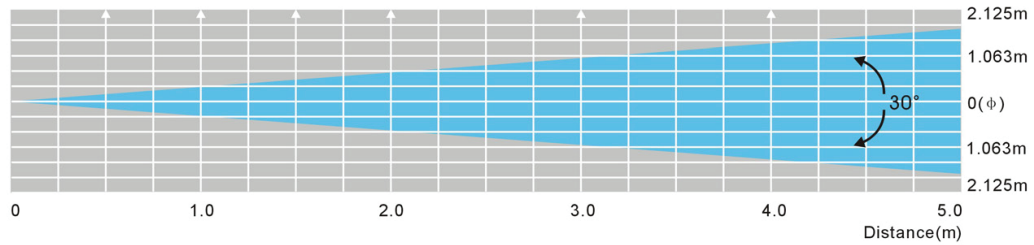
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COLOR MACROS CHART

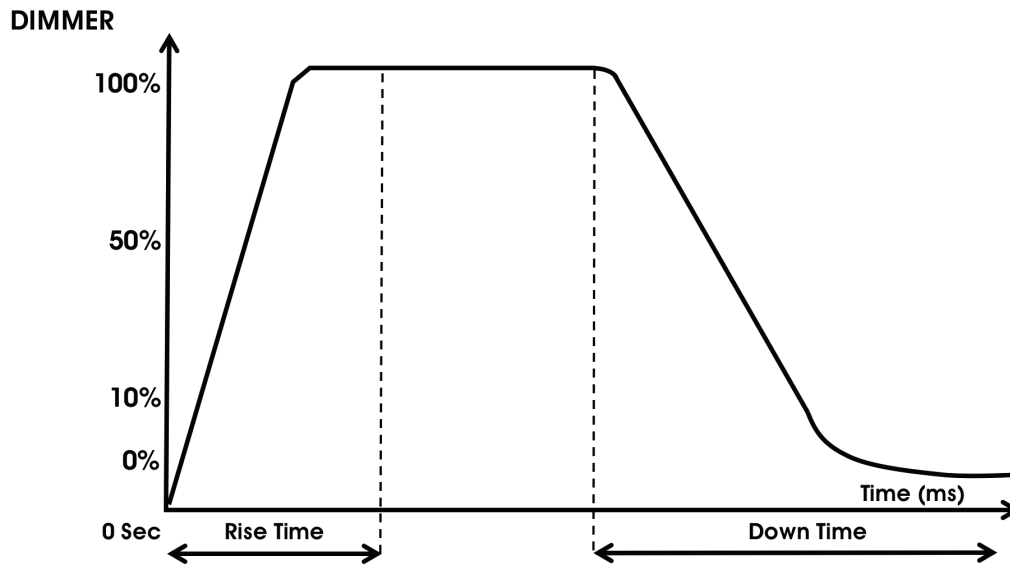
COLOR NO.	DMX VALUES	COLOR INTENSITY			
		RED	GREEN	BLUE	UV
Color37	145 - 148	254	121	0	0
Color38	149 - 152	176	17	0	0
Color39	153 - 156	96	0	11	0
Color40	157 - 160	234	139	171	0
Color41	161 - 164	224	5	97	0
Color42	165 - 168	175	77	173	0
Color43	169 - 172	119	130	199	0
Color44	173 - 176	147	164	212	0
Color45	177 - 180	88	2	163	0
Color46	181 - 184	0	38	86	0
Color47	185 - 188	0	142	208	0
Color48	189 - 192	52	148	209	0
Color49	193 - 196	1	134	201	0
Color50	197 - 200	0	145	212	0
Color51	201 - 204	255	0	0	0
Color52	205 - 208	0	255	0	0
Color53	209 - 212	0	83	115	0
Color54	213 - 216	0	97	166	0
Color55	217 - 220	1	100	167	0
Color56	221 - 224	0	40	86	0
Color57	225 - 228	209	219	182	0
Color58	229 - 232	42	165	85	0
Color59	233 - 236	0	46	35	0
Color60	237 - 240	8	107	222	0
Color61	241 - 244	107	156	231	0
Color62	245 - 248	165	198	247	0
Color63	249 - 252	0	0	255	0
Color64	253 - 255	0	0	0	255

PHOTOMETRIC CHART

R	D30	235	75	38	22	14	lux
G	D30	518	173	59	34	15	
B	D30	530	176	76	38	27	
UV	D30	77	21	7	5.5	3.5	
RGB	D30	1298	318	156	84	56	
RGB+UV	D30	1327	345	164	92	58	



DIMMER CURVE CHART



Dimming Curve Ramp Effect	0 sec Fade Time		1 sec Fade Time	
	Rise Time (ms)	Down Time (ms)	Rise Time (ms)	Down Time (ms)
Standard (default)	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

POWER CORD DAISY CHAIN

This feature allows multiple units to be linked together by way of the power input and output sockets. **The maximum number of devices that can be connected in this manner is 33 units.**

After this quantity has been reached, a new power outlet must be used to accommodate additional devices.

Linked devices must be of the same make and model type. DO NOT mix devices!

FUSE REPLACEMENT

Disconnect the unit from its power source, and remove the power cord from the unit. Locate the fuse holder is located inside the power socket and use a flat-head screw driver to gently pry out the fuse holder. Remove the bad fuse and replace with a new one. Please note that the fuse holder also has a holder for a spare fuse.

CLEANING

Due to fog residue, smoke, and dust, cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

- Periodically use normal glass cleaner and a soft cloth to wipe down the outside casing and external optics.
- Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

TROUBLE SHOOTING

Listed below are a few common problems the user may encounter, with possible solutions.

Unit does not respond to DMX:

Check that the DMX cables are connected and wired correctly (pin 3 is “hot”; on some other DMX devices pin 2 may be “hot”). Also, check that all cables are connected to the right connectors, as the order in which the inputs and outputs are connected can affect the operation of the device.

Unit does not respond to sound:

- Quiet or high pitched sounds will not activate the unit.
- Make sure that Sound Active mode is activated.

SPECIFICATIONS

- Slim flat black Par with 107x 10mm LEDs (26 Red, 45 Green, 36 Blue LEDs) + 1 3W UV LED)
- Smooth RGB+UV Color Mixing (fast or slow color change operation)
- Power & DMX Ins/Outs sit sideways so the unit can be set flat on the ground or set inside truss
- DMX-512 protocol
- 5 DMX Channel modes: 4/5/6/9/10 channels
- 5 Operational modes: RGB+UV Dimmer Mode, Sound Active Mode, Auto Run Mode, Static Color Mode, & DMX Controlled
- Beam Angle: 30 degrees
- 16 Sound Active shows
- 32 Built-in shows (16 Color Changing Shows & 16 Color Fading Shows)
- 64 built-in Color Macros
- Stand Alone or Primary/Secondary Configuration
- 5 Dimmer Curves (Standard, Stage, TV, Architectural, & Theatre)
- Display Inversion Mode
- Color strobe effect
- Linkable via 3-pin XLR cable
- With Wired Digital Communication Network
- Electronic Dimming: 0-100%
- 4-button function display
- Includes scissor yoke to hang on truss, mount on a wall or set on the ground
- Long Life LEDs (50,000 hrs.)
- Light output: 345 LUX @ 2M; 92 LUX @ 4M (30-degree beam)
- Power Draw: 16W Max
- IEC AC IN/OUT on rear to daisy chain power (up to 33 @ 120V and 60 @ 230V)
- Compatible with ADJ LED RC2 wireless infrared remote control up to 30 ft./ 10M (sold separately)
- Multi-voltage Operation: AC 100 - 240V, 50/60Hz
- Power cable length: 1.8 meter (IEC)
- Dimensions (LxWxH): 9"x 8.75"x 3.5"/ 225x220x85mm
- Weight: 3 lbs./ 1.1 kg.

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