



**UB 12H**



***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](http://www.adj.com) for the latest revision/update of this manual

Date	Document Version	Software Version	DMX Channels	Notes
08/04/2017	1	1.01	6/10/12/36 Ch	Initial release
07/12/2023	1.01	N/C	No Change	Updated Introduction, Features, Primary-Secondary Configuration, UC IR Control, Specifications

Europe Energy Saving Notice

Energy Saving Matters (EuP 2009/125/EC)

Saving electric energy is a key to help protecting the environment. Please turn off all electrical products when they are not in use. To avoid power consumption in idle mode, disconnect all electrical equipment from power when not in use.

Thank you!

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# INTRODUCTION

**Unpacking:** Thank you for purchasing the UB 12H by ADJ Products, LLC. 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 have been damaged, carefully inspect your fixture for any damage and be sure all equipment necessary to operate the unit has arrived intact. In the event that damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Please do not return this unit to your dealer without contacting customer support first.

**Introduction:** The UB 12H is a DMX intelligent, LED bar fixture. This fixture can be used in a stand alone mode or connected in a primary/secondary configuration. This fixture has six operating modes: Static Color mode, RGBWA+UV Dimmer mode, Program mode, Auto mode, Sound Active mode, and DMX control mode.

**Customer Support:** Contact ADJ Service for any product related service and support needs. Also visit [forums.adj.com](http://forums.adj.com) with questions, comments or suggestions.

**Parts:** To purchase parts online visit <http://parts.adj.com>

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**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 unlikely event your unit may require service please contact ADJ Products, LLC.

***PLEASE recycle the shipping carton when ever possible.***

## FEATURES

- Multi Colors
- Six Operating Modes
- Electronic Dimming 0-100%
- Built In Microphone
- DMX-12 Protocol
- 3-Pin DMX Connection
- Magnetic Quick Align (see **Magnetic Quick Align** section of this manual)
- 4 DMX Modes: 6-, 10-, 12-, and 36-channel mode
- ADJ UC IR Compatible
- Multiple Unit Power Linking (see **Multiple Unit Power Linking** section of this manual)

## INSTALLATION

The unit should be installed 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 to avoid vibration and slipping during operation. Always ensure that the structure to which you are attaching the unit is secure and able to support at least 10 times the unit's weight. Also, always use a safety cable that can hold 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's grasp.

## WARRANTY REGISTRATION

The UB 12H 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 an R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying an R.A. number on the outside of the package will be returned to the shipper.

## LIMITED WARRANTY

- A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC 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 ADJ Products, LLC factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, ADJ Products, LLC 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, ADJ Products, LLC shall have no liability whatsoever for loss of or damage to any such accessories, nor 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 ADJ Products, LLC concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the ADJ Products, LLC factory unless prior written authorization was issued to purchaser by ADJ Products, LLC; 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, ADJ Products, LLC 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 ADJ Products, LLC under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of ADJ Products, LLC. All products covered by this warranty were manufactured after August 15, 2012, and bear identifying marks to that effect.
- E. ADJ Products, LLC 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.

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 ADJ Products, LLC 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 ADJ Products, LLC be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to ADJ Products, LLC Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

### MANUFACTURER'S LIMITED WARRANTY PERIODS

- **Non L.E.D. Lighting Products = 1-year (365 days) Limited Warranty** (Such as: Special Effect Lighting, Intelligent Lighting, UV lighting, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED and lamps)
- **Laser Products = 1 Year (365 Days) Limited Warranty** (excluding laser diodes which have a 6 month limited warranty)
- **LED Products = 2-year (730 days) Limited Warranty** (excluding batteries which have a 180 day limited warranty). **Note: 2 Year Warranty only applies to purchases within the United States**
- **StarTec Series = 1 Year Limited Warranty** (excluding batteries which have a 180 day limited warranty).
- **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty**

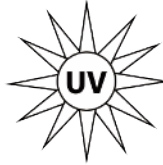
## SAFETY PRECAUTIONS

- To reduce the risk of electrical shock or fire, do not expose this unit rain or moisture.
- Do not spill water or other liquids into or on to your unit.
- Be sure that the voltage of the power sources matches the unit's required voltage.
- 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 into 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 this 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 cords at plugs, convenience receptacles, and the point where they exit from the appliance.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the **Cleaning** section of this manual for detailed information.
- Heat - This fixture 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 and/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.

## SAFETY PRECAUTIONS



**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 ULTRAVIOLET (UV) LIGHT AT A WAVELENGTH OF 390NM - 410NM.**

**WEAR PROPER EYE AND SKIN PROTECTION.**

**AVOID PROLONGED PERIODS OF EXPOSURE.**

**AVOID WEARING WHITE COLOR CLOTHING AND/OR USING (UV) PAINTS ON SKIN.**

**AVOID DIRECT EYE AND/OR SKIN EXPOSURE AT DISTANCES SHORTER THAN 11 feet (3.3m).**

**DO NOT OPERATE FIXTURE WITH DAMAGED OR MISSING EXTERNAL COVER PROTECTIVE LENS.**

**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 THIS FIXTURE.**

## DMX SET UP

**Power Supply:** This unit contains an automatic voltage switch, which will automatically sense the voltage when it is plugged into the power source. With this switch, there is no need to worry about the correct power voltage, and this unit can be plugged in almost anywhere.

**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used by most lighting and controller manufacturers 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).

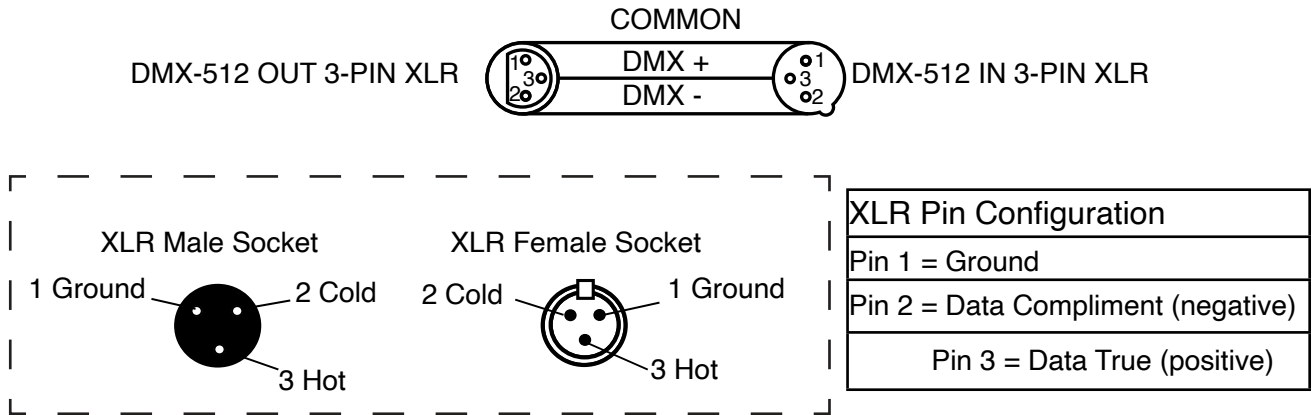
**DMX Linking:** DMX is a language allowing all makes and models of different manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures together. 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 has 4 DMX channel modes, and the DMX address is set on the back panel. Your unit and your DMX controller require an approved DMX-512 110 Ohm Data cable for data input and data output (Figure 1). 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 professional sound and lighting stores). Your cables should be made with a male XLR connector at one end and a female XLR connector at the other. Also remember that DMX cable must be daisy chained and cannot be split.

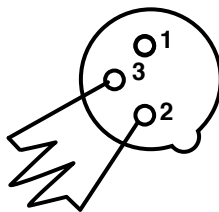


# DMX SET UP

**Notice:** Be sure to follow figures two and three 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.



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

**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 implemented in a 3-pin DMX line by using a cable adapter, which can readily be found at most electronics stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
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

# OPERATING INSTRUCTIONS

## **LED Display On/Off:**

To set the LED display to turn off after 10 seconds of inactivity, press the MODE button until “don” is displayed, then press the UP button to toggle the display to “doff”. Now the display will disappear after 10s of inactivity. Press any button to turn the display on again.

## **LED Display Inversion:**

Follow these instructions to flip the display 180° so that the display can be read 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 “flip” the display 180°.

## **Operating Modes:**

This unit has 6 operating modes to choose from:

- *Static Color Mode* - Choose 1 of 63 color macros.
- *RGBWA+UV Dimmer mode* - Choose one of the six colors to remain static, or adjust the intensity of each color to make a custom color.
- *Built-In Program* - There are 22 built-in programs to choose from with multiple adjustments.
- *Auto Run* - An automatic program will run with adjustable fade speed and strobe.
- *Sound Active mode* - The unit will react to sound, chasing through the built in programs.
- *DMX control mode* - Control each individual fixture trait with a standard DMX 512 controller.

## **Static Color Mode:**

1. Plug the fixture in and press the MODE button until “CLxx” is displayed.
2. Select your desired color from the 63 available options by pressing the UP and DOWN buttons.
3. Press the SET UP button to enter the Flash (Strobe) setup mode. “FS.xx” should now be displayed on the screen. Adjust the flash/strobe to your desired value. “FS.00” turns flash/strobing off, while “FS.15” is the fastest strobe speed.

## **RGBWA+UV Dimmer Mode:**

In this mode you can select and adjust the intensity of the red, green, blue, white, amber, or UV colors to create a custom color.

1. Plug the fixture in and press the MODE button until one of the color options is displayed. The default selection is red, which will display as “r.xxx”.
2. Cycle through each color dimming mode. Use the UP and DOWN buttons to adjust intensity, then press SET UP to cycle to the next color dimming mode. Colors are indicated as follows:
  - *r.XXX* = Red Dimming Mode
  - *G.XXX* = Green Dimming Mode
  - *b.XXX* = Blue Dimming Mode
  - *U.XXX* = White Dimming Mode
  - *A.XXX* = Amber Dimming Mode
  - *u.XXX* = UV Dimming Mode
3. Next, activate strobing by pressing the SET UP button to enter the strobe mode. “FSXX” will be displayed, indicating that the unit is in strobe mode. The strobe can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash).

# OPERATING INSTRUCTIONS

## ***Auto Run Mode:***

In this mode, the unit will run an auto program.

1. Plug the fixture in and press the MODE button until “AUTO” is displayed.
2. Press the SET UP button to adjust the fade time. “FdXX” should be displayed. Use the UP or DOWN buttons to set the fade speed to either “Fd.00” (fade off) or between “Fd.01” (fastest speed) and “Fd99” (slowest speed).
3. Press SET UP to activate the Flash mode. “FS.XX” will now 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).

## ***Built-In Program Mode:***

1. Plug the fixture in and press the MODE button until “Pr.XX” is displayed. “XX” represents a number from 1-22. Use the UP or DOWN buttons to scroll through the 22 programs. Please note that programs 21 and 22 have adjustable base and scrolling colors. Press the SET UP button to select the desired program.
2. Pressing the SET UP button will display “SP.XX”. When this is displayed, you can adjust the running speed of your selected program. Use the UP or DOWN button to adjust the speed between “SP.01” (slowest) and “SP99” (fastest).
3. Press the SET UP button to enter the Fade adjustment mode. The screen should now display “Fd.XX”. Use the UP or DOWN button to adjust the fade speed between “Fd.01” (fastest) and “Fd.99” (slowest) or “Fd00” (Off).
4. Press the SET UP button to enter the Flash (Strobe) mode. “FS.XX” will be displayed, indicating that the unit is now in Flash mode. The Flash can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash).

**NOTE: PROGRAMS 21 & 22** - If you have chosen programs 21 or 22, after the setting up Flash mode, press the SET UP button. “C1.XX” will be displayed, allowing the user to select the base color. Use the UP and DOWN buttons to scroll through the 7 colors. Once you have chosen your base color, press the SET UP button again so that “C2.XX” is displayed, allowing the user to select the scrolling color. Use the UP and DOWN buttons to scroll through the 7 colors.

## ***Sound Active Mode:***

1. Plug the fixture in and press the MODE button until “SU.XX” is displayed. “XX” represents the sound sensitivity level.
2. Use the UP or DOWN buttons to adjust the sound sensitivity. “SU.00” is off, “SU.01” is the lowest sensitivity, and “SU.31” is the highest sensitivity.
3. Press SET UP if you wish to activate the Flash mode. “FS.XX” will now 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).

# OPERATING INSTRUCTIONS

## ***DMX Mode:***

There are four DMX Modes to choose from: 6 Channels, 10 Channels, 12 Channels, and 36 Channels. Operating through a DMX controller give the user the freedom to create custom programs tailored to the user's individual needs.

1. Press the MODE button until "d.XXX" is displayed. "XXX" represents the displayed DMX address. Use the UP and DOWN buttons to find your desired DMX address.
2. Once you have found your desired DMX address, press the SET UP button to select the desired DMX channel mode. Use the UP and DOWN buttons to find you desired channel mode. Selectable options include 6-Channel Mode (Ch.06), 10-Channel Mode (Ch.10), 12-Channel Mode (Ch.12), or 36-Channel Mode (Ch.36). Please refer to the **DMX Traits** section of this manual for detailed information.
3. After you have found your desired DMX mode and set the DMX address, use the XLR connections to link the fixture to any standard DMX controller.

## ***ADJ Remote Activation:***

This function is used to activate and deactivate the IR sensor. When this function is activated, you can control the fixture using the ADJ UC IR. Please see the **UC IR Remote** section of this manual for detailed information.

1. Press the SETUP button until "lr.XX" is displayed. "XX" represents either "on" or "oF".
2. Press the UP or DOWN buttons to either activate the remote function (On) or deactivate it (Off).

## ***DMX State:***

This mode defines how the fixture will behave in the event that the DMX signal is lost or interrupted. You can also set this as the operating mode you would like the unit to default to when powered on.

1. Plug the fixture in and press the MODE button until "d.XXX" is displayed. "XXX" represents the current displayed 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. If power is applied and this mode is set, the unit will automatically go into 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 setting is used to set the dimming curve used with DMX mode. See the **Dimming Curves** section of this manual for detailed information.

1. Plug the fixture in and press the MODE button until the current DMX address 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.

## ***Default Running Mode:***

This is a default running mode. When this mode is activated, all settings will return to their default settings and an auto program will run.

1. Plug the fixture in and press the MODE button until “d.XX” 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 at the same time.

## PRIMARY-SECONDARY CONFIGURATION

This function allows units to be linked 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 can be programmed to act as the Primary.

### ***Connections and Settings:***

1. Daisy chain your units together via the XLR connectors on the rear 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, while the last unit in the chain will use the male XLR connector only.
2. Set the "Primary" unit to your desired operating mode, then connect the "Secondary" unit or units.
3. For the "Secondary" unit(s), press the MODE button until "SEcd" is displayed. The "Secondary" unit(s) will now follow the "Primary" unit.

## MULTIPLE UNIT POWER LINKING

This feature allows the fixtures to be linked to one another using the power input and output sockets.

**The maximum number of fixtures that can be linked in this manner is as follows:**

- 7 units @ 120V
- 13 units @ 240V

After this number has been reached, a new power socket will be required in order to accommodate additional fixtures.

***NOTE: USE CAUTION WHEN POWER LINKING FIXTURES OF DIFFERENT MAKE AND MODEL TYPES, AS THE POWER CONSUMPTION OF OTHER LIGHTING FIXTURES WILL VARY FROM MODEL TO MODEL!***

## UC IR CONTROL

The **UC IR** infrared remote gives the user control of various functions, as listed below. To control the fixture, the remote must be aimed at the front of the fixture. Maximum range is 30 feet. To use the ADJ UC IR, the fixture's infrared sensor must first be activated, as described in the **Operating Instructions** section of this manual.

**STAND BY** - Press this button to blackout the fixture. Press again to return to the initial state.

**FULL ON** - Press this button to fully illuminate the unit. Press again to return to the unit back to its previous state.

**FADE/GOBO** - Press this button to activate fade mode, then use buttons 1-3 to adjust fade speed.

**"DIMMER +"** and **"DIMMER -"** - Use these buttons to adjust the output intensity.

**STROBE** - Press this button to activate strobing. Use buttons 1-4 to adjust the strobe speed. "1" is the slowest, and "4" is the fastest. Press this button again to deactivate strobing.

**COLOR** - Press this button to activate color mode. Use buttons 1-9 to find your desired color.

**1-9** - Use buttons 1-9 to select your desired color when in color mode, or your desired program when in show mode. Use buttons 1-4 to select your desired strobe speed when in strobe mode.

**SOUND ON & OFF** - Use the buttons to activate and deactivate sound active mode.

**SHOW 0** - Press this button to activate show mode. Use buttons 1-9 to select your desired show. Press this button twice for show 10. Press button 1 twice for show 11.

# DMX TRAITS

CHANNEL				DMX VALUES	FUNCTION
6Ch	10Ch	12Ch	36Ch		
1	1	1		000 - 255	<b>Red</b> , 0% to 100%
2	2	2		000 - 255	<b>Green</b> , 0% to 100%
3	3	3		000 - 255	<b>Blue</b> , 0% to 100%
4	4	4		000 - 255	<b>White</b> , 0% to 100%
5	5	5		000 - 255	<b>Amber</b> , 0% to 100%
6	6	6		000 - 255	<b>UV</b> , 0% to 100%
	7	7		000 - 255	<b>Color Macros</b> , see <b>Color Macro Chart</b> section of this manual
					<b>Programs</b>
				000 - 015	Off
				016 - 025	Program 1
				026 - 035	Program 2
				036 - 045	Program 3
				046 - 055	Program 4
				056 - 065	Program 5
				066 - 075	Program 6
				076 - 085	Program 7
				086 - 095	Program 8
				096 - 105	Program 9
				106 - 115	Program 10
		8		116 - 125	Program 11
				126 - 135	Program 12
				136 - 145	Program 13
				146 - 155	Program 14
				156 - 165	Program 15
				166 - 175	Program 16
				176 - 185	Program 17
				186 - 195	Program 18
				196 - 205	Program 19
				206 - 215	Program 20
				216 - 225	Program 21
				226 - 235	Program 22
				236 - 245	Auto Run
				246 - 255	Sound Active
		9		000 - 255	<b>Program Speed / Sound Sensitivity</b>

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# DMX TRAITS

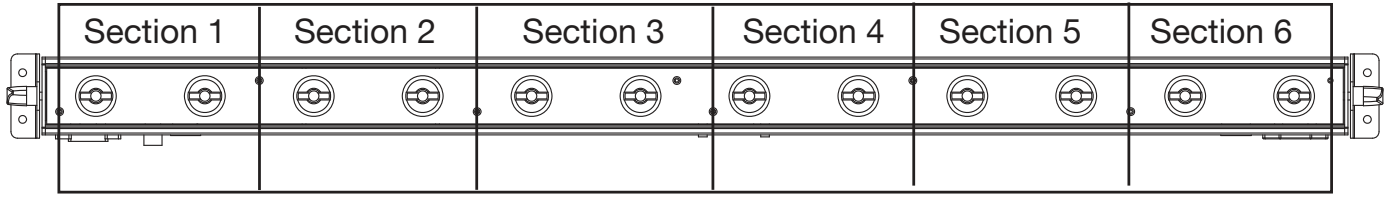
CHANNEL				DMX VALUES	FUNCTION
6Ch	10Ch	12Ch	36Ch		
					<b><i>Strobing</i></b>
	8	10		000 - 031	LED Off
				032 - 063	LED On
				064 - 095	Strobing, slow to fast
				096 - 127	LED On
				128 - 159	Pulse Strobing, slow to fast
				160 - 191	LED On
				192 - 223	Random Strobing, slow to fast
				224 - 255	LED On
	9	11		000 - 255	<b><i>Master Dimmer</i></b> , 0% to 100%
	10	12			<b><i>Dimmer Curves</i></b>
				000 - 020	Standard
				021 - 040	Stage
				041 - 060	TV
				061 - 080	Architectural
				081 - 100	Theatre
				101 - 255	Default to unit setting
			1	000 - 255	<b><i>Red 1</i></b> , 0% to 100%
			2	000 - 255	<b><i>Green 1</i></b> , 0% to 100%
			3	000 - 255	<b><i>Blue 1</i></b> , 0% to 100%
			4	000 - 255	<b><i>White 1</i></b> , 0% to 100%
			5	000 - 255	<b><i>Amber 1</i></b> , 0% to 100%
			6	000 - 255	<b><i>UV 1</i></b> , 0% to 100%
			7	000 - 255	<b><i>Red 2</i></b> , 0% to 100%
			8	000 - 255	<b><i>Green 2</i></b> , 0% to 100%
			9	000 - 255	<b><i>Blue 2</i></b> , 0% to 100%
			10	000 - 255	<b><i>White 2</i></b> , 0% to 100%
			11	000 - 255	<b><i>Amber 2</i></b> , 0% to 100%
			12	000 - 255	<b><i>UV 2</i></b> , 0% to 100%
			13	000 - 255	<b><i>Red 3</i></b> , 0% to 100%
			14	000 - 255	<b><i>Green 3</i></b> , 0% to 100%
			15	000 - 255	<b><i>Blue 3</i></b> , 0% to 100%
			16	000 - 255	<b><i>White 3</i></b> , 0% to 100%
			17	000 - 255	<b><i>Amber 3</i></b> , 0% to 100%
			18	000 - 255	<b><i>UV 3</i></b> , 0% to 100%
			19	000 - 255	<b><i>Red 4</i></b> , 0% to 100%
			20	000 - 255	<b><i>Green 4</i></b> , 0% to 100%

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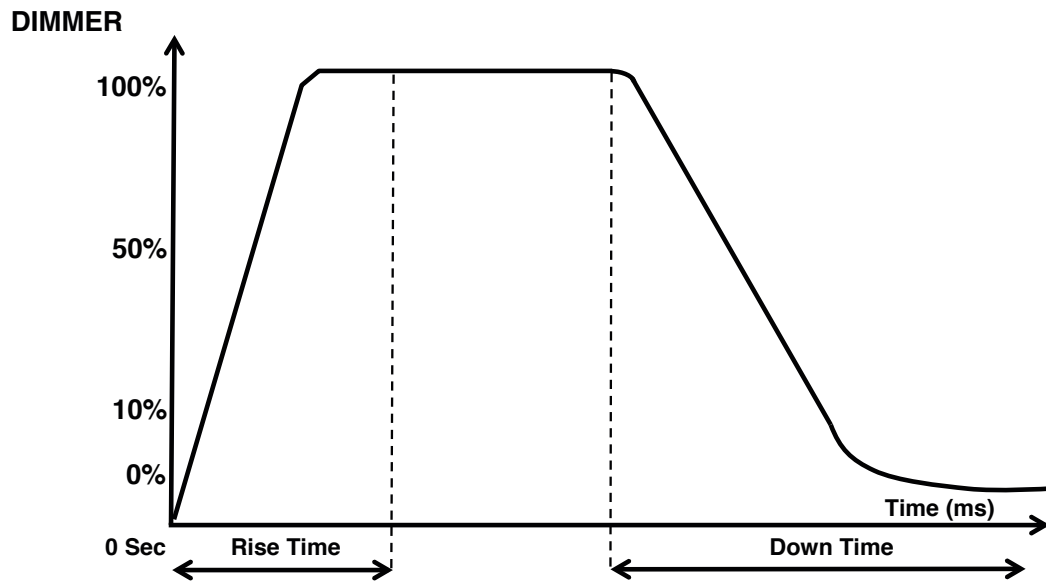
## DMX TRAITS

CHANEL				DMX VALUES	FUNCTION
6Ch	10Ch	12Ch	36Ch		
			21	000 - 255	<b>Blue 4</b> , 0% to 100%
			22	000 - 255	<b>White 4</b> , 0% to 100%
			23	000 - 255	<b>Amber 4</b> , 0% to 100%
			24	000 - 255	<b>UV 4</b> , 0% to 100%
			25	000 - 255	<b>Red 5</b> , 0% to 100%
			26	000 - 255	<b>Green 5</b> , 0% to 100%
			27	000 - 255	<b>Blue 5</b> , 0% to 100%
			28	000 - 255	<b>White 5</b> , 0% to 100%
			29	000 - 255	<b>Amber 5</b> , 0% to 100%
			30	000 - 255	<b>UV 5</b> , 0% to 100%
			31	000 - 255	<b>Red 6</b> , 0% to 100%
			32	000 - 255	<b>Green 6</b> , 0% to 100%
			33	000 - 255	<b>Blue 6</b> , 0% to 100%
			34	000 - 255	<b>White 6</b> , 0% to 100%
			35	000 - 255	<b>Amber 6</b> , 0% to 100%
			36	000 - 255	<b>UV 6</b> , 0% to 100%

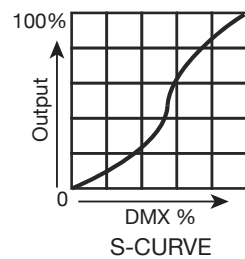
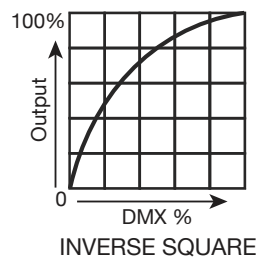
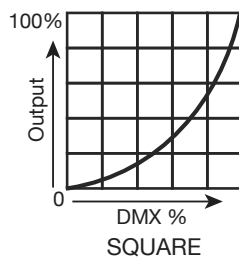
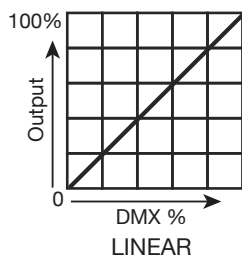
# SECTION MODE



# DIMMING CURVES



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

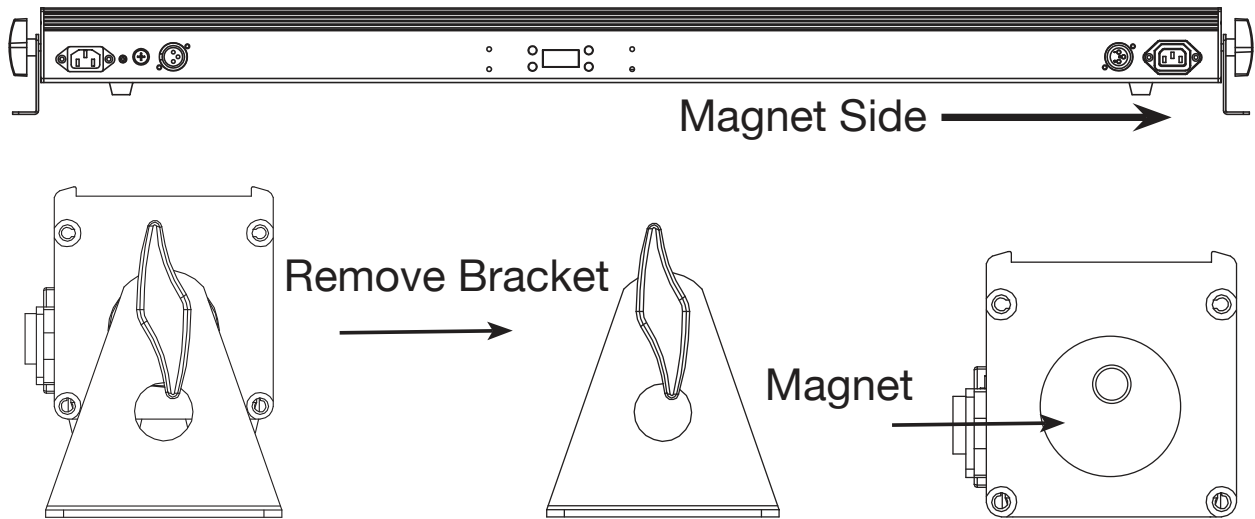


# COLOR MACRO CHART

DMX VALUES	COLOR MACRO	DMX VALUES	COLOR MACRO
000 - 003	Off	128 - 131	G+B+W
004 - 007	Red	132 - 135	G+B+A
008 - 011	Green	136 - 139	G+B+UV
012 - 015	Blue	140 - 143	G+W+A
016 - 019	White	144 - 147	G+W+UV
020 - 023	Amber	148 - 151	G+A+UV
024 - 027	UV	152 - 155	B+W+A
028 - 031	R+G	156 - 159	B+W+UV
032 - 035	R+B	160 - 163	B+A+UV
036 - 039	R+W	164 - 167	W+A+UV
040 - 043	R+A	168 - 171	R+G+B+W
044 - 047	R+UV	172 - 175	R+G+B+A
048 - 051	G+B	176 - 179	R+G+B+UV
052 - 055	G+W	180 - 183	R+G+W+A
056 - 059	G+A	184 - 187	R+G+W+UV
060 - 063	G+UV	188 - 191	R+G+A+UV
064 - 067	B+W	192 - 195	R+B+W+A
068 - 071	B+A	196 - 199	R+B+W+UV
072 - 075	B+UV	200 - 203	R+B+A+UV
076 - 079	W+A	204 - 207	R+W+A+UV
080 - 083	W+UV	208 - 211	G+B+W+A
084 - 087	A+UV	212 - 215	G+B+W+UV
088 - 091	R+G+B	216 - 219	G+B+A+UV
092 - 095	R+G+W	220 - 223	G+W+A+UV
096 - 099	R+G+A	224 - 227	B+W+A+UV
100 - 103	R+G+UV	228 - 231	R+G+B+W+A
104 - 107	R+B+W	232 - 235	R+G+B+W+UV
108 - 111	R+B+A	236 - 239	R+G+B+A+UV
112 - 115	R+B+UV	240 - 243	R+G+W+A+UV
116 - 119	R+W+A	244 - 247	R+B+W+A+UV
120 - 123	R+W+UV	248 - 251	G+B+W+A+UV
124 - 127	R+A+UV	252 - 255	R+G+B+W+A+UV

## MAGNETIC QUICK ALIGN

This unit features a magnetic quick align feature which allows multiple fixtures to be connected securely end-to-end. ***This feature is to be used exclusively when the fixtures are positioned on a flat surface*** such as a floor or stage for uplighting. To use this feature, unscrew the thumb screws on both ends of the fixture and remove both brackets. Position the fixtures on a flat surface and connect them end-to-end.



## FUSE REPLACEMENT

Disconnect the unit from its power source, then remove the power cord from the unit. Use a flat head screwdriver to remove the fuse holder. Remove the fuse located inside the fuse holder and replace it with the new fuse of the same rating. Re-install the fuse holder.

## TROUBLE SHOOTING

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

### ***Unit not responding 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 unit’s operation.
- Some DMX modes have a dimmer channel. Make sure the dimmer channel is not at 0%.

### ***Unit does not respond to sound:***

- Quiet or high pitched sounds will not activate the unit.
- Make sure that sound active mode is enabled. Refer to the **Operating Instructions** section of this manual for detailed information.

## CLEANING

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

- Use normal glass cleaner and a soft cloth to periodically 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).

## **SPECIFICATIONS**

- 41.75-inch (1 meter) indoor Linear Bar with 12x 6W HEX LEDs (RGBAW+UV)
- Great for Stage or Wall Washing!
- 4 DMX Channel Modes: 6, 10, 12 and 36 channels
- 5 operational modes: Auto (Program Run), Sound Active, RGBAW+UV Dimmer, Static Color and DMX-512 Mode
- 3 or 6-Section Pixel control
- Patent Pending Quick Align (Magnetic)
- Beam Angle: 40 degrees
- Flicker Free
- 4-Button DMX LED Display
- 35 built-in Color Macros
- LED pulse & strobe effect
- Electronic Dimming: 0-100%
- Includes mounting brackets to mount on a wall or set on the ground
- Compatible with the ADJ UC IR wireless remote (included)
- Long Life LEDs (Rated at approximately 50,000 hrs.)
- Power Draw: 88W @ 120V.
- Linkable: DMX via 3-pin XLR cable; Power via IEC. Daisy-chain power (Up to 7 UB 12H fixtures max., @ 120V can be power linked)
- With Wired Digital Communication Network
- Multi-voltage operation: AC 100V-240V 50/60Hz
- Dimensions (LxWxH): 41.75" x 2.5" x 3.75"/ 1060 x 63 x 90mm
- Weight: 6 lbs./ 2.7 kg.
- cETLus Approved (Control #4002034)

# DIMENSIONAL DRAWINGS

