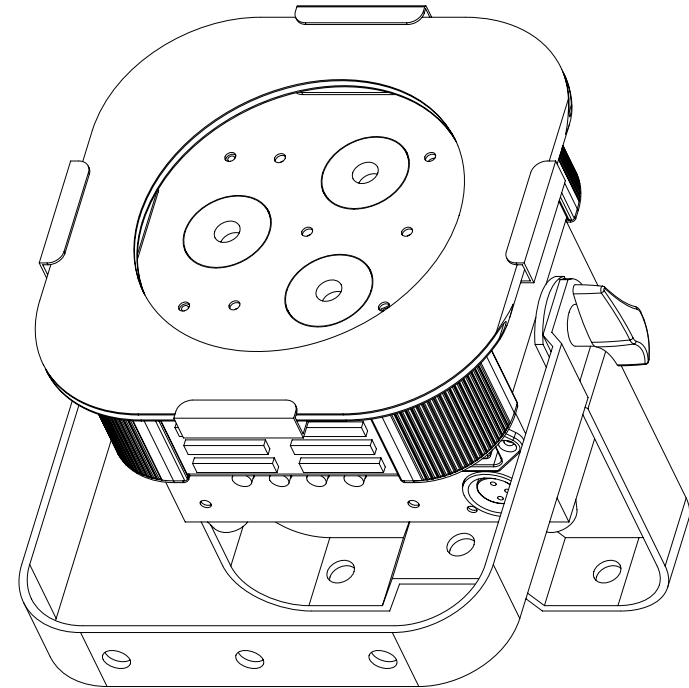




ULTRA HEX PAR3



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User Instructions

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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!

Ultra Hex Par3

Specifications

Model: Ultra Hex Par3

Voltage:	100V ~ 240V/50~60Hz
LEDs:	3 x 10W 6-in- Hex LED's
Beam Angle:	40 Degrees
Working Position:	Any safe working position
Power Draw:	26W
Power Cord Daisy Chain:	20 Fixtures Max.
Fuse:	1 Amp
Weight:	5lbs./ 2.02Kgs.
Dimensions:	9" (L) x 8.5" (W) x 4.75" (H) 224 x 213 x 120mm
Colors:	RGBAW + UV Color Mixing
DMX Channels:	5 DMX Modes: 6 Channel Mode, 7 Channel Mode, 8 Channel Mode, 11 Channel Mode, & 12 Channel Mode
Warranty:	3 Year (1,095 days)

Auto Sensing Voltage: This fixture contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source.

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

Unpacking: Thank you for purchasing the Ultra Hex Par3 by ADJ Products, LLC. Every Ultra Hex Par3 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 case damage has 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: The Ultra Hex Par3 is a DMX intelligent, LED par fixture. This fixture can be used in a stand alone mode or connected in a Master/Slave configuration. This par has five operating modes: Sound Active mode, Auto mode, RGBWA + UV dimmer mode, Static Color mode, and DMX control mode.

Customer Support: ADJ Products, LLC provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.adj.com for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 4:30 p.m. Pacific Standard Time.

Voice: (800) 322-6337

Fax: (323) 582-2941

E-mail: support@americandj.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, doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact ADJ Products, LLC.

PLEASE recycle the shipping carton when ever possible.

Ultra Hex Par3

Features

- Multi-Colors
- Five Operating Modes
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- 3-Pin DMX Connection
- 5 DMX Modes: 6 Channel Mode, 7 Channel Mode, 8 Channel Mode, 11 Channel Mode, & 12 Channel Mode.
- ADJ RFC compatible (Not Included)
- Power Cord Daisy Chain (See page 23)

Ultra Hex Par3

Warranty Registration

The Ultra Hex Par3 carries a 3 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 accompany 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.

Ultra Hex Par3

Installation

The unit should be mounted using a mounting clamp (not provided), 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 while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 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 people's grasp.

Ultra Hex Par3

Warranty

MANUFACTURER'S 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:

- **Lighting Products = 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 LEDs and lamps)
- **Laser Products = 90-Day Limited Warranty**
- **L.E.D. Products = 3-year (1095 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) and batteries which have a 180 day limited warranty). Only the L.E.D.s carry a 3-year warranty

Ultra Hex Par3

Fuse Replacement

Disconnect the unit from its power source. Remove the power cord from the unit. Once the cord has been removed, you will find that the fuse holder is located inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder. Remove the bad fuse and replace with a new one. The fuse holder also has a holder for a spare fuse.

Ultra Hex Par3

Trouble Shooting

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

Unit not responding to DMX:

1. Check that the DMX cables are connected properly and are 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; it does matter which way the inputs and outputs are connected.

Unit does not respond to sound:

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

Ultra Hex Par3

Cleaning

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

1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. 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).

Ultra Hex Par3

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.
- 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 under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it’s cover is 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 becomes damaged.
- This unit is intended for indoor use only, use of this product out doors voids all warranties.
- During long periods of non-use, disconnect the unit’s 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 they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer. See page 23 for cleaning 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, 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.

Ultra Hex Par3

Set Up

Power Supply: The ADJ Ultra Hex Par3 contains a automatic voltage switch, which will auto 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, this unit can be plugged in anywhere.

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 manufactures 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, when using several DMX fixtures try to use the shortest cable path possible. 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):

The Ultra Hex Par3 can be controlled via DMX protocol. The Ultra Hex Par3 has 5 DMX channel modes, please see pages 10-11 for the different modes. Your unit and your DMX controller require a standard 3-pin XLR connector 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 pro lighting stores). Your cables should be made with a male and female XLR connector on either end of the cable. Also remember that DMX cable must be daisy chained and cannot be split.



Figure 1

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 con-

Ultra Hex Par3

Color Macro Chart

0-3=Off	64-67=B+W	128-131=G+B+W	192-195=R+B+W+A
4-7=Red	68-71=B+A	132-135=G+B+A	196-199=R+B+W+UV
8-11=Green	72-75=B+UV	136-139=G+B+UV	200-203=R+B+A+UV
12-15=Blue	76-79=W+A	140-143=G+W+A	204-207=R+W+A+UV
16-19=White	80-83=W+UV	144-147=G+W+UV	208-211=G+B+W+A
20-23=Amber	84-87=A+UV	148-151=G+A+UV	212-215=G+B+W+UV
24-27=UV	88-91=R+G+B	152-155=B+W+A	216-219=G+B+A+UV
28-31=R+G	92-95=R+G+W	156-159=B+W+UV	220-223=G+W+A+UV
32-35=R+B	96-99=R+G+A	160-163=B+A+UV	224-227=B+W+A+UV
36-39=R+W	100-103=R+G+UV	164-167=W+A+UV	228-231=R+G+B+W+A
40-43=R+A	104-107=R+B+W	168-171=R+G+B+W	232-235=R+G+B+W+UV
44-47=R+UV	108-111=R+B+A	172-175=R+G+B+A	236-239=R+G+B+A+UV
48-51=G+B	112-115=R+B+UV	176-179=R+G+B+UV	240-243=R+G+W+A+UV
52-55=G+W	116-119=R+W+A	180-183=R+G+W+A	244-247=R+B+W+A=UV
56-59=G+A	120-123=R+W+UV	184-187=R+G+W+UV	248-251=G+B+W+A+UV
60-63=G+UV	124-127=R+A+UV	188-191=R+G+A+UV	252-255=R+G+B+W+A+UV

Ultra Hex Par3 12 Channel - DMX Values & Functions			
Channel	Value	Function	
10	64 - 79	SOUND ACTIVE PROGRAMS	
	80 - 95	SOUND ACTIVE MODE 5	
	96 - 111	SOUND ACTIVE MODE 6	
	112 - 127	SOUND ACTIVE MODE 7	
	128 - 143	SOUND ACTIVE MODE 8	
	144 - 159	SOUND ACTIVE MODE 9	
	160 - 175	SOUND ACTIVE MODE 10	
	176 - 191	SOUND ACTIVE MODE 11	
	192 - 207	SOUND ACTIVE MODE 12	
	208 - 223	SOUND ACTIVE MODE 13	
	224 - 239	SOUND ACTIVE MODE 14	
	240 - 255	SOUND ACTIVE MODE 15	
	11	0 - 255	PROGRAM SPEED/SOUND SENSITIVE SLOW - FAST
		0 - 255	LEAST SENSITIVE - MOST SENSITIVE
	12	0 - 20	DIMMER MODE STANDARD
		21 - 40	STAGE TV
41 - 60		ARCHITECTURAL	
61 - 80		THEATRE	
81 - 100			
101 - 255		DEFAULT DIMMER SETTING	

When Channel 9 is between the values of 0-51, Channels 1-6 are used, and Channel 8 will control strobing.

When Channel 9 is between the values of 52-102, Channel 10 is in Color Macros Mode, and Channel 8 will control strobing.

When Channel 9 is between the values of 103-153, Channel 10 is in Color Change Mode, and Channel 11 will control the color change speed.

When Channel 9 is between the values of 154-204, Channel 10 is in Color Fade Mode, and Channel 11 will control the color fade speed.

When Channel 9 is between the values of 205-255, Channel 10 is in Sound Active Mode, and Channel 11 will control the sound sensitivity.

Ultra Hex Par3 Set Up

nect 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.

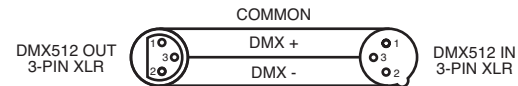


Figure 2

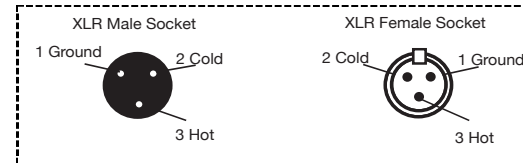


Figure 3

XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Data Compliment (negative)
Pin 3 = Data True (positive)

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 Products, LLC 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.

Figure 4

5-Pin XLR DMX Connectors. Some manufactures 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. When inserting standard 5-pin data cables in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric 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

Control Panel Lock:

The control panel will lock itself after 30 seconds if nothing is pressed. To unlock the control panel, press the MODE button for 3 seconds.

Operating Modes:

The Ultra Hex Par3 has five operating modes:

- DMX control mode - This function will allow you to control each individual fixtures traits with a standard DMX 512 controller such as as the ADJ Show Designer.
- RGBWA + UV Mode - Choose one of the six colors to remain static or adjust the intensity of each color to make your own color.
- Sound-Active mode - The unit will react to sound, chasing through the built in programs. There are 16 sound active modes.
- Auto Mode - There are 33 Auto Modes to choose from. 16 color fade modes, 16 color change modes, and 1 random mode.
- Static Color Mode - There are 63 colors to choose from.

DMX Mode:

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. The Ultra Hex Par3 has 5 DMX modes: 6 Channel mode, 7 Channel mode, 8 Channel mode, 11 Channel mode, and a 12 Channel mode. See pages 14-22 for each modes' DMX traits.

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. To run your fixture in DMX mode press the MODE button until "dXXX" is displayed. "XXX" represents the current displayed address. Use the UP or DOWN buttons to select your desired DMX address, then press the SETUP button to select your DMX Channel mode.
3. Use the UP or DOWN buttons to scroll through the DMX Channel modes. The Channel modes are listed below:
 - To run the 6 Channel Mode, press the MODE button until "Ch06" is displayed. This is the 6 Channel DMX Mode.
 - To run the 7 Channel Mode, press the MODE button until "Ch07" is displayed. This is the 7 Channel DMX Mode.
 - To run the 8 Channel Mode, press the MODE button until "Ch08"

Channel	Value	Function
10	96 - 111	COLOR CHANGE PROGRAMS
	112 - 127	COLOR CHANGE 7
	128 - 143	COLOR CHANGE 8
	144 - 159	COLOR CHANGE 9
	160 - 175	COLOR CHANGE 10
	176 - 191	COLOR CHANGE 11
	192 - 207	COLOR CHANGE 12
	208 - 223	COLOR CHANGE 13
	224 - 239	COLOR CHANGE 14
	240 - 255	COLOR CHANGE 15
		COLOR CHANGE 16
		COLOR FADE PROGRAMS
	0 - 15	COLOR FADE 1
	16 - 31	COLOR FADE 2
	32 - 47	COLOR FADE 3
	48 - 63	COLOR FADE 4
64 - 79	COLOR FADE 5	
80 - 95	COLOR FADE 6	
96 - 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	
	SOUND ACTIVE PROGRAMS	
0 - 15	SOUND ACTIVE MODE 1	
16 - 31	SOUND ACTIVE MODE 2	
32 - 47	SOUND ACTIVE MODE 3	
48 - 63	SOUND ACTIVE MODE 4	

Ultra Hex Par3		12 Channel - DMX Values & Functions
Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	AMBER 0% - 100%
6	0 - 255	UV 0% - 100%
7	0 - 255	MASTER DIMMER 0% - 100%
8	0 - 255	STROBING STROBING SLOW - FAST
9	0 - 51 52 - 102 103 - 153 154 - 204 205 - 255	PROGRAM SELECTION MODE DIMMING MODE COLOR MACRO MODE COLOR CHANGE MODE COLOR FADE MODE SOUND ACTIVE MODE
10	0 - 255 0 - 15 16 - 31 32 - 47 48 - 63 64 - 79 80 - 95	COLOR MACROS/PROGRAMS/ SOUND ACTIVITY COLOR MACRO MODE (See Color Macro Chart on page 21) COLOR CHANGE PROGRAMS COLOR CHANGE 1 COLOR CHANGE 2 COLOR CHANGE 3 COLOR CHANGE 4 COLOR CHANGE 5 COLOR CHANGE 6

Ultra Hex Par3	Operating Instructions
	<p>is displayed. This is the 8 Channel DMX Mode.</p> <ul style="list-style-type: none"> To run the 11 Channel Mode, press the MODE button until “Ch11” is displayed. This is the 11 Channel DMX Mode. To run the 12 Channel Mode, press the MODE button until “Ch12” is displayed. This is the 12 Channel DMX Mode. <p>4. Please see pages 14-22 for DMX values and traits.</p> <p>5. After you have chosen your desired DMX Channel mode plug in the fixture via the XLR connections to any standard DMX controller.</p> <p>RGBWA + UV Dimmer Mode:</p> <ol style="list-style-type: none"> Plug the fixture in and press the MODE button until: When “r.XXX” is displayed you are in Red dimming mode. Press the UP and DOWN buttons to adjust intensity. After you have finished adjusting the intensity, or you would like to skip to the next color, press the SET UP button. When “G.XXX” is displayed you are in Green dimming mode. Press the UP and DOWN buttons to adjust intensity. When “b.XXX” is displayed you are in Blue dimming mode. Press the UP and DOWN buttons to adjust intensity. When “U.XXX” is displayed you are in White dimming mode. Press the UP and DOWN buttons to adjust intensity. When “A.XXX” is displayed you are in Amber dimming mode. Press the UP and DOWN buttons to adjust intensity. When “u.XXX” is displayed you are in UV dimming mode. Press the UP and DOWN buttons to adjust intensity. After you have adjusted the RGBWA + UV colors to make your desired color you can then activate strobing by pressing the SET UP button to enter the Flash (strobe) mode. “FS.XX” will be displayed, this is Flash mode. The Flash can be adjusted between “FS.00” (flash off) to “FS.15” (fastest flash). <p>Sound Active Mode:</p> <p>In this mode the Ultra Hex Par3 will react to sound, and chase through the different colors.</p> <ol style="list-style-type: none"> Plug the fixture in and press the MODE button until “SoXX” is displayed. “XX” represents the sound active mode (1-16) currently displayed. Use the UP and DOWN buttons to scroll through the sound active modes.

Ultra Hex Par3

Operating Instructions

2. After you have found your desired sound active mode, press the SET UP button to adjust the sound sensitivity. "SJ-X" will be displayed. Use the UP and DOWN buttons to adjust the sensitivity. "SJ-1" is the lowest sensitivity, "SJ-8" is the highest.

Auto Run Mode:

There are 3 types of 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. Press the SET UP Button to change between the 3 Auto Run modes
 - AFXX = Color Fade mode, there are 16 Color Fade modes to choose from. Use the UP or DOWN buttons to scroll through the different Auto Fade modes.
 - AJXX = Color Change mode, there are 16 Color Change modes to choose from. Use the UP or DOWN buttons to scroll through the different Auto Change 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. When this is displayed you can adjust the running speed of your desired program. Use the UP or DOWN button to adjust the speed between "SP.01" (slowest) and "SP.16" (fastest). Once you have set your desired running speed, press the SET UP button to return to your desired Auto Run Mode.

Static Color Mode:

1. Plug the fixture in and press the MODE button until "CLXX" is displayed.
2. There are 63 colors to choose from. Select your desired color by pressing the UP and DOWN buttons. After you have selected your desired color you can activate strobing by pressing the SET UP button to enter the Flash (strobe) mode.
3. "FS.XX" will be displayed, this is 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 20 seconds, press the MODE
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Ultra Hex Par3

11 Channel - DMX Values & Functions

Channel	Value	Function
10	0 - 15	SOUND ACTIVE PROGRAMS
	16 - 31	SOUND ACTIVE MODE 1
	32 - 47	SOUND ACTIVE MODE 2
	48 - 63	SOUND ACTIVE MODE 3
	64 - 79	SOUND ACTIVE MODE 4
	80 - 95	SOUND ACTIVE MODE 5
	96 - 111	SOUND ACTIVE MODE 6
	112 - 127	SOUND ACTIVE MODE 7
	128 - 143	SOUND ACTIVE MODE 8
	144 - 159	SOUND ACTIVE MODE 9
	160 - 175	SOUND ACTIVE MODE 10
	176 - 191	SOUND ACTIVE MODE 11
	192 - 207	SOUND ACTIVE MODE 12
	208 - 223	SOUND ACTIVE MODE 13
	224 - 239	SOUND ACTIVE MODE 14
	240 - 255	SOUND ACTIVE MODE 15
11	0 - 255	PROGRAM SPEED/SOUND SENSITIVE
	0 - 255	SLOW - FAST
	0 - 255	LEAST SENSITIVE - MOST SENSITIVE

When Channel 9 is between the values of 0-51, Channels 1-6 are used, and Channel 8 will control strobing.

When Channel 9 is between the values of 52-102, Channel 10 is in Color Macros Mode, and Channel 8 will control strobing.

When Channel 9 is between the values of 103-153, Channel 10 is in Color Change Mode, and Channel 11 will control the color change speed.

When Channel 9 is between the values of 154-204, Channel 10 is in Color Fade Mode, and Channel 11 will control the color fade speed.

When Channel 9 is between the values of 205-255, Channel 10 is in Sound Active Mode, and Channel 11 will control the sound sensitivity.

Ultra Hex Par3		11 Channel - DMX Values & Functions
Channel	Value	Function
10		COLOR MACROS/PROGRAMS/ SOUND ACTIVITY
		COLOR CHANGE PROGRAMS
	80 - 95	COLOR CHANGE 6
	96 - 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
		COLOR FADE PROGRAMS
	0 - 15	COLOR FADE 1
	16 - 31	COLOR FADE 2
	32 - 47	COLOR FADE 3
	48 - 63	COLOR FADE 4
	64 - 79	COLOR FADE 5
	80 - 95	COLOR FADE 6
	96 - 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

Channel 10 is continued on the next page

Ultra Hex Par3 Operating Instructions

button until “don” is displayed, press the UP button to display “doff”. Now the display will disappear after 20s. Press any button to turn the display on again. Be advised though that the display will turn off automatically after 20 seconds.

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 20 seconds.

ADJ RFC:

This function is used to activate and deactivate the ADJ RFC (Remote Control). When this function is activated you can control the fixture using the ADJ RFC. Please see the next page for ADJ RFC 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 “rFXX” 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:

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 either “Stnd” or “rEv” is displayed.
3. Press the UP or DOWN buttons to reverse the display 180°.

Default Running Mode:

This is a default running mode. When this mode is activated all modes will return to their default settings.

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. Press the MODE button to exit.

Dimmer Curve:

This is used to set the dimmer curve used with DMX mode.

1. Plug the fixture in and press the MODE button until the DMX address is displayed.
2. Press the SET UP button until “dr-X” is displayed. This is the dimmer setting. “X” represents the dimming mode.
3. Use the UP and DOWN buttons to find your desired dimmer curve. Press SET UP when you are finished.

DMX State:

This mode can be used as a precaution mode, that in case the DMX signal is lost, the operating mode chosen in the setup is the running mode the fixture will go into when the DMX signal is lost. You can also set this as the operating mode you would like the unit to return to when power is applied.

1. Press the MODE button until the DMX address is displayed. Press the SET UP button until “No-X” is displayed.
2. “X” represents a number between 0-2. Choose an operating mode you would like the unit to start up in when the DMX signal is lost or interrupted.
 - “No-0” (Blackout) - If the DMX signal is lost or interrupted, the unit will automatically go into stand by mode.
 - “No-1” (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.
 - “No-2” (Auto Run) - If the DMX signal is lost or interrupted, the unit will automatically go into Auto Run mode.
3. Press SET UP to confirm your desired set up.

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	AMBER 0% - 100%
6	0 - 255	UV 0% - 100%
7	0 - 255	MASTER DIMMER 0% - 100%
8	0 - 255	STROBING STROBING SLOW - FAST
9	0 - 51 52 - 102 103 - 153 154 - 204 205 - 255	PROGRAM SELECTION MODE DIMMING MODE COLOR MACRO MODE COLOR CHANGE MODE COLOR FADE MODE SOUND ACTIVE MODE
10	0 - 255 0 - 15 16 - 31 32 - 47 48 - 63 64 - 79	COLOR MACROS/PROGRAMS/ SOUND ACTIVITY COLOR MACRO MODE (See Color Macro Chart on page 21) COLOR CHANGE PROGRAMS COLOR CHANGE 1 COLOR CHANGE 2 COLOR CHANGE 3 COLOR CHANGE 4 COLOR CHANGE 5

Channel 10 is continued on the next page

Ultra Hex Par3		8 Channel - DMX Values & Functions	
Channel	Value	Function	
1	0 - 255	RED 0% - 100%	
2	0 - 255	GREEN 0% - 100%	
3	0 - 255	BLUE 0% - 100%	
4	0 - 255	WHITE 0% - 100%	
5	0 - 255	AMBER 0% - 100%	
6	0 - 255	UV 0% - 100%	
7	0 - 255	MASTER DIMMER 0% - 100%	
8	0 1 - 255	STROBING OFF STROBING SLOW - FAST	

Ultra Hex Par3 Master-Slave Configuration

Master-Slave Configuration:

This function will allow you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling units built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the “Master.”

Master-Slave Connections and Settings:

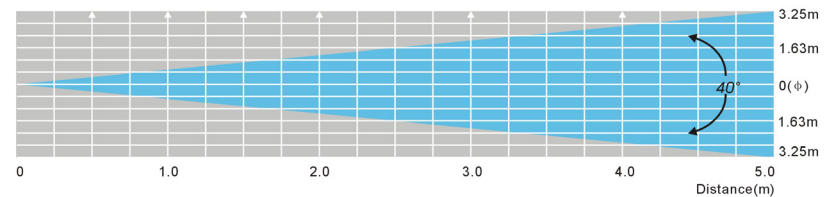
1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR data cables to link your units together. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Set the “Master” unit to your desired mode of operation.
3. Connect the first “Slave” unit to the “Master.”
4. On the “Slave” unit press the MODE button until “SLAV” is displayed. The “Slave” unit will now follow the “Master”.

Ultra Hex Par3 Power Cord Daisy Chain

With this feature you can connect the fixtures to one another using the IEC input and output sockets. The quantity that can be connected is 20 fixtures maximum. After 20 fixtures you will need to use a new power outlet. They must be the same fixtures. DO NOT mix fixtures.

Ultra Hex Par3 Photometric Chart

R	D40	460	125	56	31	20	lux
G	D40	451	128	55	31	21	
B	D40	359	106	47	27	17	
W	D40	624	174	78	41	26	
A	D40	261	70	29	17	9	
UV	D40	87	21	10.1	5.7	3.8	
RGBAWUV	D40	1947	561	251	140	91	



Ultra Hex Par3

ADJ RFC Operation

The **ADJ RFC** remote (sold separately) has many different functions and allows you to control your Ultra Hex Par3 from long distance. The **ADJ RFC** remote can control your system up to 150 ft. To use the RFC you must first activate the fixtures receiver, to activate the receiver please see the instructions on page 10.

BLACKOUT - Pressing this button will blackout the fixture.

AUTO RUN - This button will run 1 of 3 auto run programs. Each press of the button will scroll through Color Fade, Color Change, and Random. When you activate Color Fade, you can use the “+” and “-” buttons to scroll through the 16 different color fade modes. When you activate Color Change, you can use the “+” and “-” buttons to scroll through the 16 different color change modes. You can control the fade speed and color change speed of the Auto Run by pressing the speed button and then adjust the speed using the “+” and “-” buttons.

PROGRAM SELECTION - This button will activate Static Color mode. Press this button to activate Static Color mode. Use the “+” or “-” to scroll through the 63 colors. Once you have found your color, you can press the Flash Button to activate strobing and use the “+” or “-” to adjust the Flash rate.

FLASH - This button will activate the flash (strobe) effect. You can control the flash speed by pressing the “+” and “-” buttons.

SPEED - Press this button and use the “+” & “-” buttons to adjust the speed of the Built-In Programs.

SOUND ACTIVE - This button activates sound active mode. Use the “+” & “-” buttons to scroll through the 16 sound active modes. Press this button again to switch to sound sensitivity adjustment and then use the “+” & “-” buttons to adjust the sound sensitivity level.

R G B W/A - Press either one of these buttons and then press the “+” or “-” to adjust the brightness. Press the Flash button to activate strobing and use the “+” or “-” buttons to adjust the strobe speed.

NOTE: Press the W/A button to scroll through White, Amber, and UV.

“+” and “-” - Use these buttons to adjust the flash rate, speed of the Auto Run, fade speed, sound sensitivity, and output intensity. Use these buttons to scroll through the static colors.

Ultra Hex Par3

6 Channel - DMX Values & Functions

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	AMBER 0% - 100%
6	0 - 255	UV 0% - 100%

Ultra Hex Par3

7 Channel - DMX Values & Functions

Channel	Value	Function
1	0 - 255	RED 0% - 100%
2	0 - 255	GREEN 0% - 100%
3	0 - 255	BLUE 0% - 100%
4	0 - 255	WHITE 0% - 100%
5	0 - 255	AMBER 0% - 100%
6	0 - 255	UV 0% - 100%
7	0 - 255	MASTER DIMMER 0% - 100%