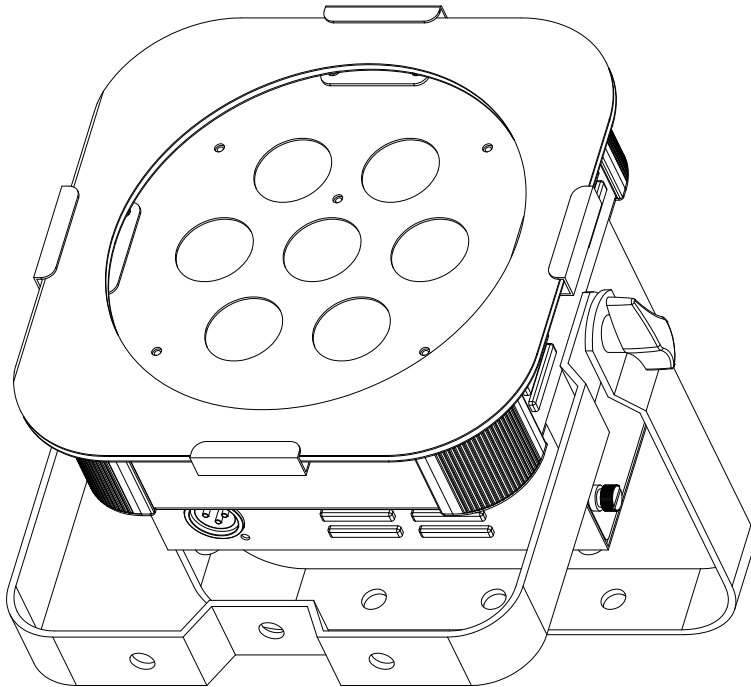




# ULTRA GO PAR7X



## *User Instructions*

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## Ultra Go Par7X

## Introduction

**Unpacking:** Thank you for purchasing the Ultra Go Par7X by ADJ Products, LLC. Every Ultra Go Par7X 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 Go Par7X is a rechargeable lithium battery powered, DMX intelligent, LED par fixture. This unit give you the freedom to set up your fixture where ever you wish without the restrictions of power. The built-in battery will keep charge for up to 5 hours (full on) from a full, single charge. 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, RGB 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.AmericanDJ.com](http://www.AmericanDJ.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@ADJ.com](mailto:support@ADJ.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 Go Par7X

## Features

- Rechargeable Lithium Battery
- Mult-Colors
- Five Operating Modes
- Electronic Dimming 0-100%
- Built in Microphone
- DMX-512 protocol
- 3-Pin DMX Connection
- Eight DMX Modes: 1 Channel Mode, 2 Channel Mode, Two 3 Channel Modes, 4 Channel Mode, 5 Channel Mode, 6 Channel Mode, and 7 Channel Mode.
- ADJ RFC compatible (Not Included)
- Power Cord Daisy Chain (See page 23)

## Ultra Go Par7X

## Warranty Registration

The Ultra Go Par7X 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 Go Par7X

## 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.

- 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.

## 1. Handling of Batteries

### 1.1 Do Not Short Circuit the Battery

Try to never short circuit the battery. It generates a very high current which could cause the battery to overheat which may result in electrolyte gel leakage, harmful fumes, or explosion. The LIR tabs may easily short-circuit by placing them on conductive surface. A short circuit may lead to heat build up and damage of the battery. An appropriate circuitry with PCM is employed to protect accidental short circuit of the battery pack.

### 1.2 Mechanical shock

Dropping the unit, impact hit, bending, etc. may cause failure or shortend life of the LIR battery.

## 3. Other

### 3.1 Battery connection

- 1). Direct soldering of wire leads or devices to the battery is strictly prohibited.
- 2). Lead tabs with pre-soldered wiring shall be spot welded to the batteries. Direct soldering may cause damage of components, such as separator and insulator, by heat build up.

### 3.2 Prevention of short circuit within a battery pack

There is enough insulation layers between wiring and the batteries to provide extra safety protection. The battery pack is constructed in a way that no short circuit will occur which may cause smoke or fire.

### 3.3 Do No Disassemble the Batteries

- 1). Never disassemble the batteries.  
Doing this may cause a internal short circuit in the battery, which may lead to harmful fumes, fire, explosion, or other problems.
- 2). Electrolyte Gel is harmful  
Electrolyte Gel should not leak from the LIR battery. Should the electrolyte gel come into contact with the skin or eyes, flush the

area of contact immediately with fresh water and seek medical attention immediately.

### **3.4 Do Not Expose the Battery to Heat or Fire**

Never incinerate or dispose of the batteries in fire. This may cause an explosion, which would be very dangerous.

### **3.5 Do Not Expose the Battery to water or liquids**

Never soak/drop the batteries in liquids such as water, seawater, drinks such as soft drinks, juices, coffee or other.

### **3.6 Battery Replacement**

For battery replacement please contact ADJ customer support (800) 322-6337.

### **3.7 Do Not use a damaged Battery**

The battery could be damaged during shipping, caused by shock. Should the battery be found damaged, including damages to the plastic casing of the battery, deformation of the battery package, smelling of an electrolyte, or leakage of the electrolyte gel, or other, DO NOT use the battery. A battery with a odor of electrolyte or a gel leakage should be placed away from fire to avoid fire or explosion.

## **4. Battery Storage**

When storing the battery, it should be stored at room temperature, with a charge of at least 50%. We recommend that during long periods of storage that the battery be charged every 6 months. Doing this will prolong the life of the battery and will also make sure that the battery charge does not fall below the 30% mark.

## **5. Other Chemical Reaction**

Because batteries utilize a chemical reaction, battery performance will deteriorate over time even if stored for a long period of time without being used. In addition, if the various usage conditions such as charge, discharge, ambient temperature, etc. are not maintained within the specified ranges, the

life expectancy of the battery maybe shortened or the device in which the battery is used may be damaged by electrolyte gel leakage. If the batteries cannot maintain a charge for long periods of time, even when they are charged correctly, this may indicate it is time to change the battery.

## **6. Battery Disposal**

Please dispose of battery according to local regulations.

**Power Supply:** The ADJ Ultra Go Par7X 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 Go Par7X can be controlled via DMX protocol. The Ultra Go Par7X has 8 DMX channel modes, please see pages 10-11 for the different modes. The DMX address is set on the back panel of the Ultra Go Par7X. 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 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.

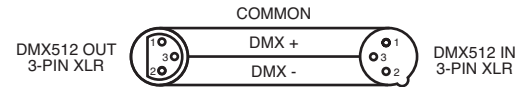


Figure 2

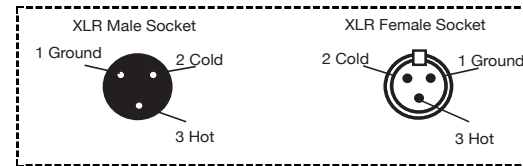


Figure 3

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



**Operating Power:**

There are two ways to supply power to this unit; battery power or AC power.

- AC Power - To run the unit using AC power, plug the unit into a power source, and put the Load Switch into the ON position. When using AC power make sure the Battery Switch is in the OFF position.
- Battery Power - To run the unit using Battery power, put the Load and Battery Switches in the ON position.

**Operating Modes:**

The Ultra Go Par7X 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.
- RGB Mode - Choose one of the three 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.
- Auto Mode - There are 17 Auto Modes to choose from. 8 color fade modes, 8 color change modes, and 1 random mode.
- Static Color Mode - There are 35 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. This function also allows you to use your fixtures as spot lights. The Ultra Go Par7X has 8 DMX modes: 1 Channel mode, 2 Channel mode, 3 Channel mode, a second 3 Channel mode, 4 Channel mode, 5 Channel mode, 6 Channel mode, and a 7 Channel mode. See pages 17-21 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 1 Channel Mode, press the MODE button until "Ch01" is displayed. This is the 1 Channel DMX Mode.
  - To run the 2 Channel Mode, press the MODE button until "Ch02" is displayed. This is the 2 Channel DMX Mode.
  - To run the 3 Channel Mode, press the MODE button until "Ch03" is displayed. This is the 3 Channel DMX Mode.
  - To run the other 3 Channel Mode, press the MODE button until "Ch3A" is displayed. This is the other 3 Channel DMX Mode.
  - To run the 4 Channel Mode, press the MODE button until "Ch04" is displayed. This is the 4 Channel DMX Mode.
  - To run the 5 Channel Mode, press the MODE button until "Ch05" is displayed. This is the 5 Channel DMX Mode.
  - 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.
4. Please see pages 17-21 for DMX values and traits.
  5. After you have chosen your desired DMX Channel mode plug in the fixture via the XLR connections to any standard DMX controller.

**RGB Dimmer Mode:**

1. Plug the fixture in and press the MODE button until:
2. 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.
3. When "G.XXX" is displayed you are in Green dimming mode. Press the UP and DOWN buttons to adjust intensity.
4. When "b.XXX" is displayed you are in Blue dimming mode. Press the UP and DOWN buttons to adjust intensity.
5. After you have adjusted the RGB colors to make your desired color you can then activate strobing by pressing the SET UP button to enter the Flash (strobe) mode.
6. "FS.XX" will be displayed, this is Flash mode. The Flash can be adjusted between "FS.00" (flash off) to "FS.15" (fastest flash).

**Sound Active Mode:**

In this mode the Ultra Go Par7X will react to sound, and chase through the different colors.

1. Plug the fixture in and press the MODE button until “So-XX” is displayed. “XX” represents the sound active mode (1-8) currently displayed. Use the UP and DOWN buttons to scroll through the sound active modes.
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 8 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 8 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 35 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 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 “Std” 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.

**Battery Life:**

This menu is used to check/display the battery life.

1. Plug the fixture in and press the MODE button until “bXXX” is displayed. “XXX” represents a number between 0-100. The number that is displayed is the remaining battery life. If “b---” is displayed, it means either the battery is dead or your running the unit on AC power.

**Dimming Curve:**

This is used to set the dimming 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 dimming curve. Press SET UP when you are finished.

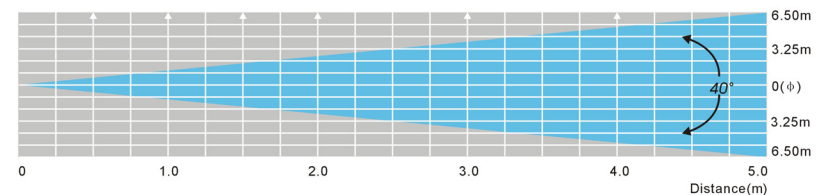
**Master-Slave Configuration:**

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. Connect the first “Slave” unit to the “Master.”
3. Set the “Master” unit to your desired mode of operation.
4. On the “Slave” unit press the MODE button until “SLAV” is displayed. The “Slave” unit will now follow the “Master”.

R	D40	976	255	109	63	42	lux
G	D40	615	176	76	46	30	
B	D40	690	165	75	46	29	
W	D40	2055	519	249	147	99	





## Ultra Go Par7X

## ADJ RFC Operation

The **ADJ RFC** remote (sold separately) has many different functions and allows you to control your Ultra Go Par7X 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. Press this button for more then 3 seconds to activate default running mode. All modes will return to their default settings.

**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 8 different color fade modes. When you activate Color Change, you can use the “+” and “-” buttons to scroll through the 8 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 35 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 8 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** - Press either one of these buttons and then press the “+” or “-” to adjust the brightness.

**“+” 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 Go Par7X

## 1 Channel - DMX Values & Functions

Channel	Value	Function
1		<u>COLOR MACROS</u>
	0 - 10	OFF
	11 - 17	BASTARD AMBER
	18 - 24	MEDIUM AMBER
	25 - 31	PALE AMBER GOLD
	32 - 38	GALLO GOLD
	39 - 45	GOLDEN AMBER
	46 - 52	LIGHT RED
	53 - 59	MEDIUM RED
	60 - 66	MEDIUM PINK
	67 - 73	BROADWAY PINK
	74 - 80	FOLLIES PINK
	81 - 87	LIGHT LAVENDER
	88 - 94	SPECIAL LAVENDER
	95 - 101	LAVENDER
	102 - 108	INDIGO
	109 - 115	HEMSLEY BLUE
	116 - 122	TIPTON BLUE
	123 - 129	LIGHT STEEL BLUE
	130 - 136	LIGHT SKY BLUE
	137 - 143	SKY BLUE
	144 - 150	BRILLIANT BLUE
	151 - 157	LIGHT GREEN BLUE
	158 - 164	BRIGHT BLUE
	165 - 171	PRIMARY BLUE
	172 - 178	CONGO BLUE
	179 - 185	PALE YELLOW GREEN
	186 - 192	MOSS GREEN
	193 - 199	PRIMARY GREEN
	200 - 206	DOUBLE CTB
	207 - 213	FULL CTB
	214 - 220	HALF CTB
	221 - 227	DARK BLUE
	228 - 234	WHITE
	235 - 241	FULL RED
	242 - 248	FULL GREEN
	249 - 255	FULL BLUE

Ultra Go Par7X 2 Channel - DMX Values & Functions		
Channel	Value	Function
1	1 - 255	COLOR MACROS (See 1 Channel DMX mode for colors)
2	1 - 255	DIMMER 0% - 100%

Ultra Go Par7X 3 Channel - DMX Values & Functions		
Channel	Value	Function
1	1 - 255	COLOR MACROS (See 1 Channel DMX mode for colors)
2	1 - 255	DIMMER 0% - 100%
3	0 - 15 16 - 255	STROBING NOTHING STROBING SLOW - FAST

Ultra Go Par7X 3A Channel - DMX Values & Functions		
Channel	Value	Function
1	1 - 255	RED 0% - 100%
2	1 - 255	GREEN 0% - 100%
3	1 - 255	BLUE 0% - 100%

Ultra Go Par7X 4 Channel - DMX Values & Functions		
Channel	Value	Function
1	1 - 255	RED 0% - 100%
2	1 - 255	GREEN 0% - 100%
3	1 - 255	BLUE 0% - 100%
4	1 - 255	MASTER DIMMER 0% - 100%

Ultra Go Par7X 5 Channel - DMX Values & Functions		
Channel	Value	Function
1	1 - 255	RED 0% - 100%
2	1 - 255	GREEN 0% - 100%
3	1 - 255	BLUE 0% - 100%
4	1 - 255	MASTER DIMMER 0% - 100%
5	1 - 255	COLOR MACROS (See 1 Channel DMX mode for colors)

Channels 1, 2, and 3 will not work, when Channel 5 is being used.

Ultra Go Par7X 6 Channel - DMX Values & Functions		
Channel	Value	Function
1	1 - 255	RED 0% - 100%
2	1 - 255	GREEN 0% - 100%
3	1 - 255	BLUE 0% - 100%
4	1 - 255	MASTER DIMMER 0% - 100%
5	0 - 15 16 - 255	STROBING NOTHING STROBING SLOW - FAST
6	1 - 255	COLOR MACROS (See 1 Channel DMX mode for colors)

Channels 1, 2, and 3 will not work, when Channel 6 is being used.

Ultra Go Par7X 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	MASTER DIMMER 0% - 100%
5	0 - 15 16 - 255 0 - 255  0 - 31 32 - 255	<u>STROBING/PROGRAM SPEED/ SOUND SENSITIVITY</u> NO FUNCTION STROBING SLOW - FAST SPEED CONTROL SLOW - FAST SOUND SENSITIVITY NO FUNCTION LEAST SENSITIVE - MOST SENSITIVE
6	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
7	0 - 255  0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191	<u>COLOR MACROS/PROGRAMS/ SOUND ACTIVITY</u> COLOR MACRO MODE (See 1 Channel DMX mode for colors)  COLOR CHANGE MODE COLOR CHANGE 1 COLOR CHANGE 2 COLOR CHANGE 3 COLOR CHANGE 4 COLOR CHANGE 5 COLOR CHANGE 6

Ultra Go Par7X 7 Channel - DMX Values & Functions		
Channel	Value	Function
8	192 - 223 224 - 255	<u>COLOR CHANGE MODE CONT.</u> COLOR CHANGE 7 COLOR CHANGE 8
	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	<u>COLOR FADE MODE</u> COLOR FADE 1 COLOR FADE 2 COLOR FADE 3 COLOR FADE 4 COLOR FADE 5 COLOR FADE 6 COLOR FADE 7 COLOR FADE 8
	0 - 31 32 - 63 64 - 95 96 - 127 128 - 159 160 - 191 192 - 223 224 - 255	<u>SOUND ACTIVE MODE</u> SOUND ACTIVE MODE 1 SOUND ACTIVE MODE 2 SOUND ACTIVE MODE 3 SOUND ACTIVE MODE 4 SOUND ACTIVE MODE 5 SOUND ACTIVE MODE 6 SOUND ACTIVE MODE 7 SOUND ACTIVE MODE 8

When Channel 6 is between the values of 0-51, Channels 1-3 are used, and Channel 5 will control strobing.

When Channel 6 is between the values of 52-102, Channel 7 is in Color Macros Mode, and Channel 5 will control strobing.

When Channel 6 is between the values of 103-153, Channel 7 is in Color Change Mode, and Channel 5 will control the color change speed.

When Channel 6 is between the values of 154-204, Channel 7 is in Color Fade Mode, and Channel 5 will control the color fade speed.

When Channel 6 is between the values of 205-255, Channel 7 is in Sound Active Mode, and Channel 5 will control the sound sensitivity.

**Battery Status:**

This function is used to check the life status of the battery. Plug the fixture in and press the MODE button until “bXXX” is displayed. “XXX” represents an number between “000” and “100”. The number that is displayed is the remaining battery life. If “b---” is displayed, it means the battery is dead or you are running the unit on AC power. **Please do not let the battery fully die, this severely shortens the life of the battery.**

**Example:** If “b050” is displayed, the battery is at half life. If “b025” is displayed, the battery is at 25% life.

**NOTE:** When the battery is charging or if the battery life is below 30% the digital display will flicker.

**Battery Recharge:** To recharge the battery, plug the supplied AC cord into the AC input on the side of the unit and plug the other end into a matching power supply. It takes about 4.5 hours to reach full charge.

For a faster recharge, put the Load Switch in the “Off” position and the Battery Switch in the “ON” position.

Battery replacement is a very easy procedure. Unscrew the two thumbscrews located on the side of the unit.

Carefully slide the battery out and disconnect the wire.

Connect the new battery and slide the battery back in. Screw the two thumbscrews back in to secure the battery.

**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 12 fixtures maximum. After 12 fixtures you will need to use a new power outlet. They must be the same fixtures. DO NOT mix fixtures.**

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.

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.

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).

## 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 indentifying 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, Strobes, Fog Machines, Bubble Machines, Mirror Balls, Par Cans, Trussing, Lighting Stands etc. excluding LED 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



**Model: Ultra Go Par7X**

Voltage:	100V ~ 240V/50~60Hz
Battery Life:	5 Hours Full On (Full Charge)
Battery Lifetime*:	Average Lifetime is 500 Charges
LEDs:	7 x 3W TRI LED's (3-in-1 RGB)
Beam Angle:	40 Degrees
Working Position:	Any safe working position
Power Draw:	48W
Power Cord Daisy Chain:	12 Fixtures Max.
Fuse:	2 Amp
Weight:	8lbs./ 3.4Kgs.
Dimensions:	10.5" (L) x 10" (W) x 5.5" (H) 265 x 252 x 134mm
Colors:	RGB Color Mixing
DMX Channels:	8 DMX Modes: 1 Channel Mode, 2 Channel Mode, Two 3 Channel Modes, 4 Channel Mode, 5 Channel Mode, 6 Channel Mode, & 7 Channel Mode
Warranty**:	3 Year (1,095 days)

\*This depends on charging frequency

\*\*See Warranty page for details

**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.

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