MEGA GO PAR64 PLUS

User Manual

Europe Energy Saving Notice
Energy Saving Matters (EuP 2009/125/EC)
Saving electric energy is a key to help protecting the enviroment. 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!

INTRODUCTION

Unpacking: Thank you for purchasing the Mega Go Par64 Plus 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 ADJ Mega GO Par64 PLUS is a DMX intelligent, high powered LED par fixture which can be used in stand alone mode or connected in a Primary/Secondary configuration. It also features five operating modes: Sound Active mode, Auto mode, RGB + UV Dimmer mode, Static Color mode, and DMX control mode. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit for future reference.

Customer Support: ADJ Products, LLC provides a toll free customer support line, to provide set up help and to answer any questions 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: (323) 582-2650
       Fax: (323) 582-2941
       E-mail: support@adj.com

To purchase parts online visit parts.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, 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

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

WARRANTY REGISTRATION

The Mega Go Par64 Plus carries a 2 year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase and warranty. You may also register your product online at www.adj.com. 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.

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 during operation. Always ensure that the structure to which you are attaching the unit is secure and is able to support at least 10 times the unit's weight. Also, always use a safety cable that can 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.

SAFETY PRECAUTIONS

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken.
- Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in the event 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 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 at which they exit from the unit.
- Cleaning - The fixture should be cleaned only as recommended by the manufacturer. See the *Cleaning* section of this manual for 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 plug have been damaged.
  B. Objects have fallen onto, or liquids have 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.

BATTERY PRECAUTIONS

1. Handling of Batteries

1.1 Do Not Short Circuit the Battery
Never short circuit the battery, as doing so generates a very high current which could cause the battery to overheat, potentially resulting in electrolyte gel leakage, harmful fumes, or explosion. The LIR tabs can be easily short-circuit when placed on a conductive surface. A short circuit may lead to heat build up and battery damage. An appropriate circuitry with PCM is employed to protect against accidental short circuit of the battery pack.

1.2 Mechanical shock
Dropping the unit, impacts, bending, etc. may cause failure or shortend life of the LIR battery.

2. Other

2.1 Battery connection
- Direct soldering of wire leads or devices to the battery is strictly prohibited.
- Lead tabs with pre-soldered wiring shall be spot welded to the batteries. Direct soldering may cause heat buildup, which can damage components, such as the separator and the insulator.

2.2 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 such a way as to prevent any short circuit that could result in smoke or fire.

2.3 Do Not Disassemble the Batteries
- Never disassemble the batteries. Doing so may cause an internal short circuit in the battery, which can result in harmful fumes, fire, explosion, or other hazards.
- 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.

2.4 Do Not Expose the Battery to Heat or Fire
Never incinerate or dispose of the batteries in fire. Doing so creates a serious explosion risk!

2.5 Do Not Expose the Battery to water or liquids
Never soak/drop the batteries in liquids, including fresh water, seawater, soft drinks, juices, coffee or other beverages.

2.6 Battery Replacement
For battery replacement please contact ADJ customer support (323) 582-2650.

2.7 Do Not use a damaged Battery
Inspect the battery for damage that may have occurred during shipping. In the event that damage is present, including but not limited to damage to the plastic casing of the battery, deformation of the battery package, the presence of an electrolyte odor, or leakage of the electrolyte gel, 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.

BATTERY PRECAUTIONS

3. Battery Storage
Store the battery at room temperature, with a charge of at least 50%. During long periods of storage, it is recommended to charge the battery every 6 months. Doing so will prolong the life of the battery, and will also ensure that the battery is ready for use.

4. Other Chemical Reactions
Because batteries utilize a chemical reaction, battery performance will deteriorate over time, even if stored for a long period of time without being used. Additionally, 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 may be 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.

5. Battery Disposal
Please dispose of battery according to local regulations.

DMX SETUP

Power Supply: The ADJ Mega GO Par64 PLUS 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 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 manufacturers to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, try to use the shortest cable path possible when linking several DMX fixtures. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line: at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

Data Cable (DMX Cable) Requirements (For DMX Operation): The Mega GO Par64 PLUS can be controlled via DMX-512 protocol, and features 5 selectable DMX modes, as detailed in the ***DMX Traits*** section of this manual. The DMX address is set on the back panel of the Mega GO Par64 PLUS. 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 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.

Figure 1

DMX SETUP

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 into contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.
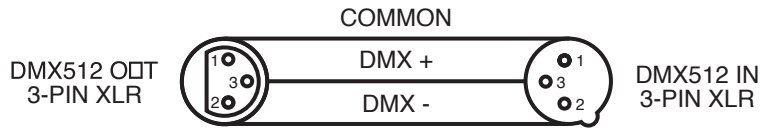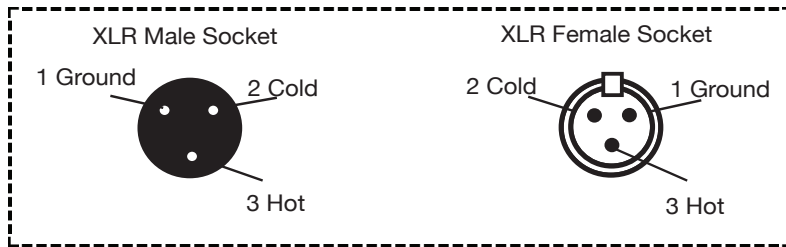
COMMON

DMX512 OUT
3-PIN XLR

DMX +

DMX -

DMX512 IN
3-PIN XLR

Figure 2

XLR Male Socket

1 Ground

2 Cold

3 Hot

XLR Female Socket

2 Cold

1 Ground

3 Hot

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

Figure 3

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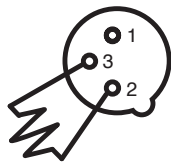
Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

Figure 4

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 inserting an adapter into the line. These adapters are readily available 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

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

LED Display On/Off:
To set the display press the MODE button until "dXX" is displayed. Use the UP or DOWN buttons to select either:
• "don" = LED display on at all times.
• "doFF" = LED display shuts off after 10 seconds.
Please note, the display will turn off automatically after 10 seconds.

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 reverse the display 180°.

Operating Modes:
The Mega GO Par64 PLUS has five selectable operating modes:
• *RGB+UV Dimmer Mode -* Choose one of the four colors to remain static, or adjust the intensity of each color to make a custom color.
• *Sound-Active mode -* The unit will react to sound, chasing through the built in programs. There are 16 sound active modes.
• *Auto Run Mode -* In Auto Run mode, you can choose 1 of 16 color change modes, 1 of 16 color fade modes, or a combo color change & fade mode.
• *Static Color Mode -* There are 64 colors to choose from.
• *DMX control mode -* This function will allow you to control each individual fixtures traits with a standard DMX 512 controller.

RGB+UV Dimmer Mode:
1. Plug the fixture in and press the MODE button until the desired option is shown:
    • When "r.XXX" is displayed, the unit is in Red dimming mode. Press the UP and DOWN buttons to adjust intensity.
    • When "G.XXX" is displayed, the unit is in Green dimming mode. Press the UP and DOWN buttons to adjust intensity.
    • When "b.XXX" is displayed, the unit is in Blue dimming mode. Press the UP and DOWN buttons to adjust intensity.
    • When "u.XXX" is displayed, the unit is in UV dimming mode. Press the UP and DOWN buttons to adjust intensity.
2. After you have adjusted the RGB & UV colors to create your desired color, you can then activate strobing by pressing the SET UP button to enter the Flash (strobe) mode.
3. "FS.XX" will be displayed, indicating that the unit is in Flash mode. The Flash can be adjusted between "FS.00" (flash off) to "FS.15" (fastest flash).

OPERATING INSTRUCTIONS

Sound Active Mode:

In this mode, the unit will react to sound and chase through the different colors.

1. Plug the fixture in and press the MODE button until "SoXX" is displayed. "XX" represents the current sound active mode (1-16).
2. Use the UP or DOWN buttons to find your desired sound active mode.
3. Press the SET UP button to enter sound sensitivity adjustment. "SJ-X" will be displayed. Use the UP or 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.
   - AFXX = Color Fade mode. There are 16 Color Fade modes to choose from. Use the UP or DOWNbuttons 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. You can now 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). 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 64 colors to choose from. Select your desired color by pressing the UP and DOWN buttons.
3. After you have selected your desired color, you can activate strobing by pressing the SET UP button to enter the Flash (strobe) mode. "FS.XX" will be displayed, indicating that the unit is in Flash mode. The Flash can be adjusted between "FS.00" (flash off) to "FS.15" (fastest flash).

DMX Mode:

Operating through a DMX controller gives the user the freedom to create custom programs tailored to his or her own individual needs. This function also allows you to use your fixtures as spot lights. The Mega GO Par64 PLUS has 5 DMX modes: 4 channel mode, 5 channel mode, 6 channel mode, 9 channel mode, and a 10 channel mode. See the ***DMX Traits*** section of this manual for detailed information.

1. To run your fixture in DMX mode, press the MODE button until "d.XXX" is displayed. "XXX" represents the currently selected DMX address. Use the UP or DOWN buttons to select your desired DMX address, then press the SETUP button to select your DMX Channel mode.
2. Use the UP or DOWN buttons to scroll through the DMX Channel modes. The available channel modes are 4-Channel Mode (Ch04), 5-Channel Mode (Ch05), 6-Channel Mode (Ch06), 9-Channel Mode (Ch09), or 10-Channel Mode (Ch10).
3. After you have chosen your desired DMX Channel mode, plug in the fixture via the XLR connections to any standard DMX controller.

OPERATING INSTRUCTIONS

DMX State:

This mode determines how the unit will behave when the DMX signal is lost or interrupted. It can also be used to select the operating mode that the unit will default to when powered on.

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

Dimmer Curve:

This 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 "DMX MODE" is displayed.
2. Press the SET UP button until "dr-X" is displayed, where "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 the desired dimming curve.

Activate IR Sensor:

This function is used to activate and deactivate the IR sensor. When this function is activated, you can control the fixture using the ADJ LED RC2 or UC IR. Please refer to the ***ADJ LED RC2 Control*** and ***UC IR Control*** sections of this manual for detailed information.

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 "IrXX" 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).

Default Running Mode:

When this function 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.

PRIMARY-SECONDARY CONFIGURATION

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

Primary-Secondary Connections and Settings:
Daisy chain your units via the XLR connectors on the rear panel of each unit. Use standard XLR data cables to link your units together. Remember that the male XLR connector is the input, and the female XLR connector is the ouput. 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.
Connect the first "secondary" unit to the "primary."
Set the "primary" unit to your desired mode of operation, then set the "secondary" unit(s) to the DMX address setting of 001.The "secondary" unit(s) will now follow the "primary".

CAD DRAWING
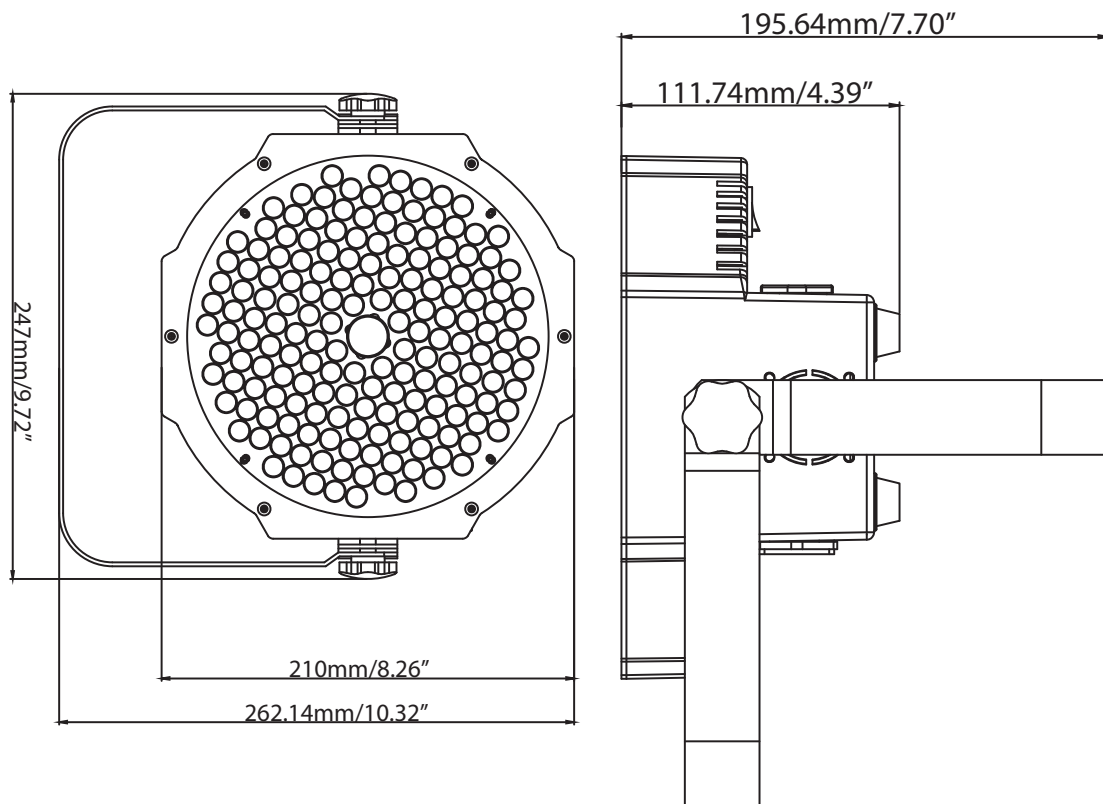
ADJ LED RC2 OPERATION

The ADJ LED RC2 infrared remote (sold seperately) has many different functions and provides complete control of this fixture. The controller must be aimed at the front of the fixture, and the fixture's infrared sensor must be switched on, as described in the ***Operating Instructions*** section of this manual. Maximum range is 30 feet. Please note that the fixture will only respond to the remote when the fixture is set to Secondary mode.

BLACKOUT - Pressing this button will blackout the fixture.

PROGRAM SELECTION - This button will let you access color change mode, color fade mode, auto run mode, or static color mode. Each press of this button will scroll change to the next mode. Once you have selected your desired mode, use the "+" or "-" to scroll through the programs or static colors. When using the auto run, color fade, or color change, press the Speed button and use the "+" or "-" to adjust the running speed.
• If the Red LEDs flash, the fixture is in Color Fade Mode.
• If the Green LEDs flash, the fixture is in Color Change Mode.
• If the Blue LEDs flash, the fixture is in Auto Run Mode.
• If the UV LED flashes, the fixture is in Static Color Mode.

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

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

DMX MODE - Pressing his button will scroll through DMX addressing, DMX Channel mode, DMX last state setting, and dimmer curve mode. Some fixtures will come with different DMX channel modes. When your desired menu/submenu is found, use the "+" & "-" buttons to scroll through the settings. See the ***Operating Instructions*** and ***DMX Traits*** sections of this manual for detailed information.

SECONDARY/SA (SOUND ACTIVE) - Use this button to toggle between sound active mode and secondary mode. In sound active mode, use the "+" and "-" buttons to scroll through the 16 sound active programs. Press the Speed button to and use the "+" and "-" buttons to adjust the sound sensitivity.

SET ADDRESS - Press this button to set the DMX address. Press this button first, then press the numbers to set the address.
Example: To set DMX Address = 1, press "SET ADDRESS", then key in "0-0-1". Alternately, to set DMX Address = 245, press "SET ADDRESS", then key in "2-4-5".

R G B A - Press any one of these buttons to select a color, then press the "+" or "-" to adjust the brightness. "A" selects UV dimmer mode.

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

ADJ LED RC2 CONTROL

DMX Control:

Operating through an DMX controller gives the user the freedom to create custom programs tailored to his or her own individual needs. Follow the directions below to set your DMX channel mode and ad-dress.

1. Before connecting to an DMX controller, please select your desired DMX channel mode by pressing the DMX Mode button, then using the "+" or "-" buttons to scroll through the available options. Set the mode before you address the fixture.
2. Set the DMX address for the fixture by pressing the "S" button. The LEDs will flash 2-3 times, then all the red LEDs will light. Use the number buttons to press in your desired address. Please note: When setting the DMX address, an LED color will glow each time a number is pressed, then all LEDs will flash 2-3 times when you have successfully set the DMX address.
3. Now you may connect the fixture via the XLR connections to any standard DMX controller.
   - If All LEDs flash, the fixture is in DMX Mode 1: 4 DMX Channel.
   - If the Red LEDs flash, the fixture is in DMX Mode 2: 5 DMX Channels.
   - If the Green LEDs flash, the fixture is in DMX Mode 3: 6 DMX Channels.
   - If the Blue LEDs flash, the fixture is in DMX Mode 4: 9 DMX Channels.
   - If the UV LED flashes, the fixture is in DMX Mode 5: 10 DMX Channels.

UC IR REMOTE CONTROL

The UC-IR infrared remote gives you control of various functions. To control the fixture you must aim the remote at the front of the fixture, and the fixture's infrared sensor must be switched on, as described in the ***Operation Instructions*** section of this manual. Maximum range is 30 feet. Please note that the fixture only responds to the remote when the fixture is set to primary mode.

STAND BY - Pressing this button will blackout the fixture. Press this button again to return to original state.

FULL ON - Press and hold to fully illuminate the unit. The unit will return to its previous state when the button is released.

FADE/GOBO - Activates color fade mode.

"DIMMER +" and "DIMMER -" - Adjust the color output intensity in static color mode.

STROBE - Press and hold to activate the strobe effect.

COLOR - Press this button to activate color control. Use buttons 1-9 to select your desired color.

1-9 - These buttons will allow you to select either a particular show option or color option, depending on which operating mode the fixture is in.

SOUND ON & OFF - These buttons activate and deactivate the sound active mode.

SHOW 0 - This activates the show mode. Use buttons 1-9 to select your desired show. Press the Show 0 button twice to run show 10, and button 1 twice to run show 11.

DMX TRAITS

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

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
4CH	5CH	6CH	9CH	10CH		
						Color Change Programs (continued)
					208 - 223	Color Change 14
					224 - 239	Color Change 15
					240 - 255	Color Change 16
						Color Fade Programs
					000 - 015	Color Fade 1
					016 - 031	Color Fade 2
					032 - 047	Color Fade 3
					048 - 063	Color Fade 4
					064 - 079	Color Fade 5
					080 - 095	Color Fade 6
					096 - 111	Color Fade 7
					112 - 127	Color Fade 8
					128 - 143	Color Fade 9
					144 - 159	Color Fade 10
					160 - 175	Color Fade 11
					176 - 191	Color Fade 12
			8	8	192 - 207	Color Fade 13
					208 - 223	Color Fade 14
					224 - 239	Color Fade 15
					240 - 255	Color Fade 16
						Sound Active Programs
					000 - 015	Sound Active Mode 1
					016 - 031	Sound Active Mode 2
					032 - 047	Sound Active Mode 3
					048 - 063	Sound Active Mode 4
					064 - 079	Sound Active Mode 5
					080 - 095	Sound Active Mode 6
					096 - 111	Sound Active Mode 7
					112 - 127	Sound Active Mode 8
					128 - 143	Sound Active Mode 9
					144 - 159	Sound Active Mode 10
					160 - 175	Sound Active Mode 11
					176 - 191	Sound Active Mode 12
					192 - 207	Sound Active Mode 13
					208 - 223	Sound Active Mode 14
CONTINUED ON NEXT PAGE						

DMX TRAITS

CHANNEL					DMX VALUES	FUNCTION
4CH	5CH	6CH	9CH	10CH		
			8	8		**Sound Active Programs (continued)**
					224 - 239	Sound Active Mode 15
					240 - 255	Sound Active Mode 16
			9	9	000 - 255	**Program Speed,** slow to fast
						Sound Sensitivity
					000 - 031	Off
					032 - 255	Least Sensitivie to Most Sensitive
				10		**Dimmer Curves**
					000 - 020	Standard
					021 - 040	Stage
					041 - 060	TV
					061 - 080	Architectural
					081 - 100	Theatre
					101 - 255	Default to Unit Setting

NOTE FOR 9CH MODE AND 10CH MODE:
- When Channel 7 is between the values of 0-51, Channels 1-4 are used, and Channel 5 will control strobing.
- When Channel 7 is between the values of 52-102, Channel 8 is in Color Macros Mode, and Channel 5 will control strobing.
- When Channel 7 is between the values of 103-153, Channel 8 is in Color Change Mode, and Channel 9 will control the color change speed.
- When Channel 7 is between the values of 154-204, Channel 8 is in Color Fade Mode, and Channel 9 will control the color fade speed.
- When Channel 7 is between the values of 205-255, Channel 8 is in Sound Active Mode, and Channel 9 will control the sound sensitivity.

COLOR MACROS CHART

COLOR NO.	DMX VALUE	COLOR INTENSITY			
		RED	GREEN	BLUE	UV
Color 0	000	0	0	0	0
Color 1	001 - 004	80	255	234	80
Color 2	005 - 008	80	255	164	80
Color 3	009 - 012	77	255	112	77
Color 4	013 - 016	117	255	83	83
Color 5	017 - 020	160	255	77	77
Color 6	021 - 024	223	255	83	83
Color 7	025 - 028	255	243	77	77
Color 8	029 - 032	255	200	74	74
Color 9	033 - 036	255	166	77	77
Color 10	037 - 040	255	125	74	74
Color 11	041 - 044	255	97	77	74
Color 12	045 - 048	255	71	77	71
Color 13	049 - 052	255	83	134	83
Color 14	053 - 056	255	93	182	93
Color 15	057 - 060	255	96	236	96
Color 16	061 - 064	238	93	255	93
Color 17	065 - 068	196	87	255	87
Color 18	069 - 072	150	90	255	90
Color 19	073 - 076	100	77	255	77
Color 20	077 - 080	77	100	255	77
Color 21	081 - 084	67	148	255	67
Color 22	085 - 088	77	195	255	77
Color 23	089 - 092	77	234	255	77
Color 24	093 - 096	158	255	144	144
Color 25	097 - 100	255	251	153	153
Color 26	101 - 104	255	175	147	147
Color 27	105 - 108	255	138	186	138
Color 28	109 - 112	255	147	251	147
Color 29	113 - 116	151	138	255	138
Color 30	117 - 120	151	138	255	138
Color 31	121 - 124	138	169	255	138
Color 32	125 - 128	255	255	255	255
Color 33	129 - 132	255	206	143	0
Color 34	133 - 136	254	177	153	0
Color 35	137 - 140	254	192	138	0
Color 36	141 - 144	254	165	98	0

CONTINUED ON NEXT PAGE

COLOR MACROS CHART

COLOR NO.	DMX VALUE	COLOR INTENSITY			
		RED	GREEN	BLUE	UV
Color 37	145 - 148	254	121	0	0
Color 38	149 - 152	176	17	0	0
Color 39	153 - 156	96	0	11	0
Color 40	157 - 160	234	139	171	0
Color 41	161 - 164	224	5	97	0
Color 42	165 - 168	175	77	173	0
Color 43	169 - 172	119	130	199	0
Color 44	173 - 176	147	164	212	0
Color 45	177 - 180	88	2	63	0
Color 46	181 - 184	0	38	86	0
Color 47	185 - 188	0	142	208	0
Color 48	189 - 192	52	148	209	0
Color 49	193 - 196	1	134	201	0
Color 50	197 - 200	0	145	212	0
Color 51	201 - 204	255	0	0	0
Color 52	205 - 208	0	255	0	0
Color 53	209 - 212	0	83	115	0
Color 54	213 - 216	0	97	166	0
Color 55	217 - 220	1	100	167	0
Color 56	221 - 224	0	40	86	0
Color 57	225 - 228	209	219	182	0
Color 58	229 - 232	42	165	85	0
Color 59	233 - 236	0	46	35	0
Color 60	237 - 240	8	107	222	0
Color 61	241 - 244	107	156	231	0
Color 62	245 - 248	165	198	247	0
Color 63	249 - 252	0	0	255	0
Color 64	253 - 255	0	0	0	255

BATTERY STATUS AND RECHARGE

Battery Status:
This function is used to check the remaining battery life. 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 percentage. If "b---" is displayed, it means the battery is dead, or that the unit is running on AC power. ***Please do not let the battery die completely, as this severly shortens the life of the battery.***

Example: If "b050" is displayed, the battery is has half of its charge remaining. If "b025" is displayed, the battery has 25% of its charge remaining.

NOTE: The digital display will flash when the battery is charging, or if the battery life is below 30%.

NOTE: After 20 seconds of inactivity, the display will revert back to the battery life display.

Battery Recharging: 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 hours for the battery to reach full charge. The display will STOP flashing when the unit reaches 100% charge.

NOTE: When unplugging the unit from charging and then applying power via battery, there will be a minimal charge drop.
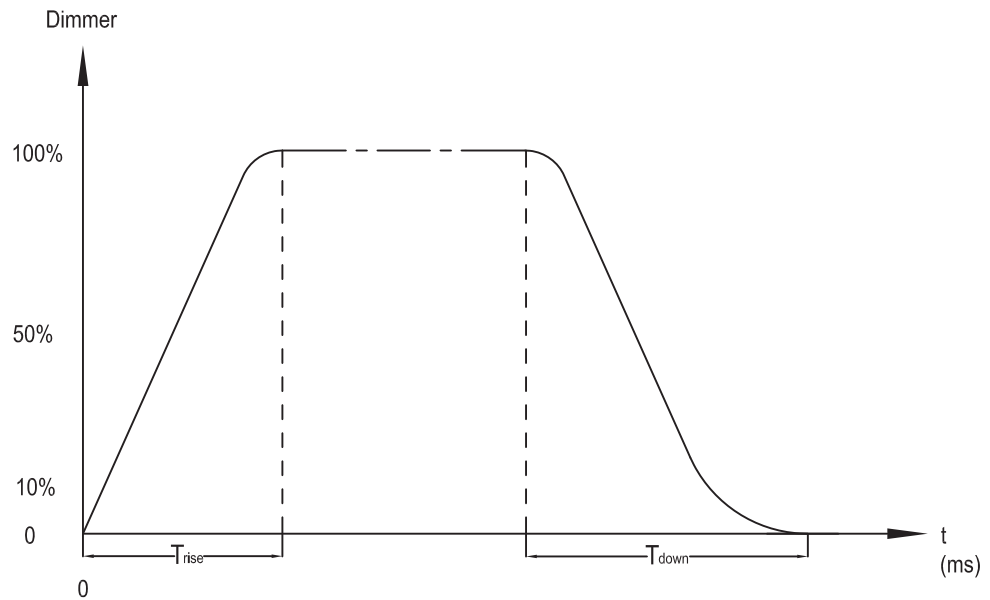
For a faster recharge, put the Load Switch in the "Off" position and the Battery Switch in the "ON" position.

PHOTOMETRIC CHART

R	D30	612	170.5	73.6	46.4	26.2	
G	D30	676	190.3	90.1	55	33.8	
B	D30	904	362	120.6	93.3	58.8	lux
UV	D30	96.9	26.2	11	5.9	3.7	
RGB+UV	D30	2250	438	332	172.1	112.7	
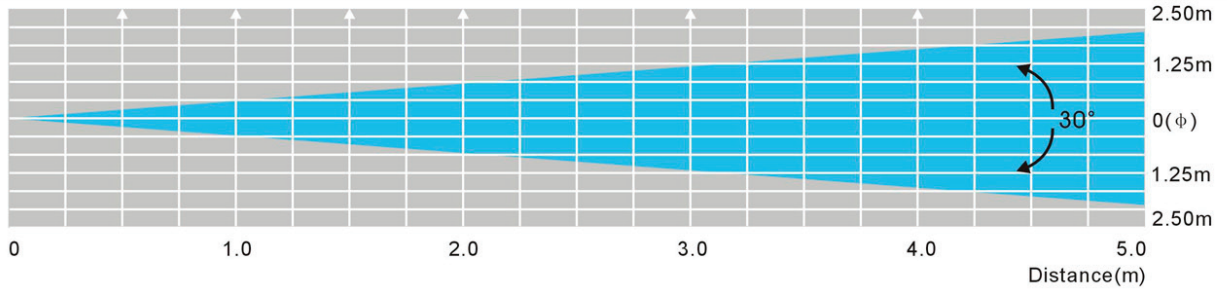
DIMMER CURVE CHART

Ramp Effect	$\overset{255}{\underset{0}{\rule{0pt}{0pt}}}$ 0S (Fade Time)		$\overset{255}{\underset{0}{\rule{0pt}{0pt}}}$ 1S (Fade Time)	
	T_{rise} (ms)	T_{down} (ms)	T_{rise} (ms)	T_{down} (ms)
Standard	0	0	0	0
Stage	780	1100	1540	1660
TV	1180	1520	1860	1940
Architectural	1380	1730	2040	2120
Theatre	1580	1940	2230	2280

POWER CORD DAISY CHAIN

This feature allows the fixtures to be connected to one another using the IEC input and output sockets.

The maximum number of units that can be connected in this way is 25 fixtures. A new power outlet is required to accommodate any additional fixtures.

All linked fixtures must be of the same make and model type. DO NOT mix fixtures.

FUSE REPLACEMENT

Disconnect the unit from its power source, then remove the power cord from the unit. Locate the fuse holder inside the power socket. Carefully 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 of the same rating. Please note that the fuse holder also includes a holder for a spare fuse.

TROUBLE SHOOTING

Listed below are common problems that you may encounter, along with potential solutions.

Unit does not respond to DMX:
Check that the DMX cables are connected and wired correctly (pin 3 is "hot"; it is common on some other DMX devices that pin 2 may be "hot"). Verify that all cable are connected to the correct connectors, as the way in which the input and outputs are connected can affect operation.

Unit does not respond to sound:
• Quiet or high pitched sounds may not activate the unit.
• Verify that Sound Active mode is activated.

CLEANING

Due to fog residue, smoke, and dust, cleaning of the internal and external optical lenses and mirror should be carried out periodically. Cleaning frequency depends on the environment in which the fixture operates. In heavy club use, cleaning on a monthly basis is recommended in order to ensure longevity and crisp output.
• Use normal glass cleaner and a soft cloth to wipe down the outside casing.
• Clean the external optics with glass cleaner and a soft cloth every 20 days.
• Always be sure to dry all parts completely before plugging the unit back in.

WARRANTY

MANUFACTURER'S LIMITED WARRANTY:

A. ADJ Products, LLC hereby warrants, to the original purchaser, ADJ Products, LLC products to be free of manu-facturing 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 pro- duct 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 authoriza-tion was issued to purchaser by ADJ Products, LLC; if the product is damaged because not properly main-tained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintnance, 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 with-out 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 mer-chantability 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 war-ranties 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 Light-ing, 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 = 2-year (730 days) Limited Warranty** (excluding motors, PCB boards, and power supplies, which have a 1-year (365 day Limited Warranty) batteries which have a 180 day limited war-ranty). Only the L.E.D.s carry a 2-year warranty **(excluding StarTec Series which a carries a 1 Year Limited Warranty) Note: 2 Year Warranty only applies to purchases within the United States.**
*   **ADJ DMX Controllers = 2 Year (730 Days) Limited Warranty** (excluding faders and tact switches)

SPECIFICATIONS

MODEL: **Mega Go Par64 Plus**

Voltage:	100V~240V, 50~60Hz
LEDs:	172 x 0.07W 10mm LEDs (56 Red, 60 Green, 56 Blue)
	1 x 3W UV
Beam Angle:	30 degrees
Working Position:	Any safe working position
Power Draw:	24W
Power Cord Daisy Chain:	25 Fixtures Maximum
Fuse:	2 Amp
Weight:	5 Lbs / 2.2 Kg
Dimensions:	4.25" (L) x 10.25" (W) x 10.25" (H)
	110mm (L) x 261mm (W) x 260mm (H)
Colors:	RGB + UV Mixing
DMX Channels:	5 DMX Modes: 4-, 5-, 6-, 9-, and 10-channel mode
Battery Charge Time:	4 Hours (with load switch off)
Battery Life w/ Full Charge:	16 Hours (single color, sound active, or fade mode)
	5.5 Hours (full on)
Battery Lifetime*:	Average Lifetime 500 charges
Battery Type:	Fixed Lithium Battery
Battery Energy:	48.84 WH (watt-hours)
Battery Weight:	0.6 Lbs / 0.28 Kg
Battery Voltage:	11.1 V
Battery Capacity:	4.4 AH
Total Lithium Ion Cells:	6 pcs
Battery Wrap Material:	PVC Sleeving + Highland Barley Paper
Warranty**:	2 Years (730 days)

* Depends on charging frequency

** See Warranty section of this manual for details

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

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