

AURORAE LED PAR LP-10

This LED PAR 64 can light features with 180 Ultra Bright 10mm LED bulbs, double yokes, DMX controllable, sound activated and 10 built-in automated programs. Aurorae LP-10 LED Slim PAR 64 can installed with internal ROM that remains the final DMX address, running program and menu setting after power off. Users could adjust the color intensity, RGB color mixing or run the build in programs with out any DMX controller. Great options of operating on AC power or battery pack (Cable for the battery pack included). With it's slim designed of only 4" thick case, made it the ideal fixture for Mobile DJ lighting and Event Lighting.

Features

- 6 channel DMX-512 slim LED PAR can
- RGB color mixing with or without DMX controller: Adjust intensity on each color (RGB) from 0-100%
- Unit can operate remotely without being connected to AC power (use battery pack)
- Internal memory- DMX address, setting and running programs remains after power off
- Control panel functions: Master/Slave/DMX, sound activated, Built-in programs
- Flicker free operation
- Power linking up to 20 unit @ 110V
- Double bracket as floor stand

Specifications:

- Beam angle 25°
- Light source: 60 red, 60 green, 60 blue LEDs
- 4 button LED display control panel
- Control panel functions: Master/Slave/DMX, sound activated, Built-in programs
- Lux: 1350 @ 3 meter (Red 270, Green 460, Blue 760)
- 3 pin XLR in/out
- Power: 110V 60Hz 17W, AC current: 0.3A
- AC power: Auto switching 90V-240V 50/60Hz
- DC input: 12V 1.2A
- Fuse: 7A
- Weight: 5.75 lbs
- Dimension: 8.5" x 8.5" x 4"

Safety Instructions

- Always connect the fixture to a circuit with a suitable electrical ground.
- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose fixture to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse source.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate fixture at temperatures higher than this.
- In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact Aurorae Inc for service.
- Never connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.

AC Power

This fixture runs on 96~240 VAC, 50/60 Hz. Before powering on the unit, make sure the line voltage to which you are connecting it is within the range of accepted voltages.

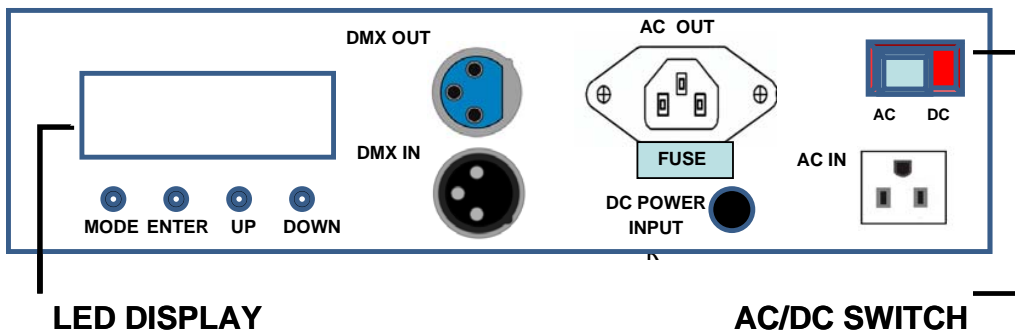
Always connect the fixture to a switched circuit. Never connect the fixture to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used only as a 0 to 100% switch.

Mounting

- When selecting an installation location, consider ease of access to the product for operation, programming adjustments and routine maintenance.
- Always mount this product making sure that there is adequate room around it for ventilation.
- Do not expose this product to extreme temperature changes, rain, or humidity.
- If mounting this fixture overhead, make sure that the location where you are mounting it can support its weight.

LED control panel

<MODE>	Used to scroll through the current operating mode, as well as back out of the current menu option
<ENTER>	Used to select a value and store it to memory
<UP>	Used to select increasing advancement in the value
<DOWN>	Used to select decreasing advancement in the value



AC/DC SWITCH

Using 100~240VAC

Put AC/DC switch at AC position when using AC input

Using battery pack/ 12VDC

Caution

Disconnect all AC power cord.

Do not use power linking on AC power when connecting to the battery pack.

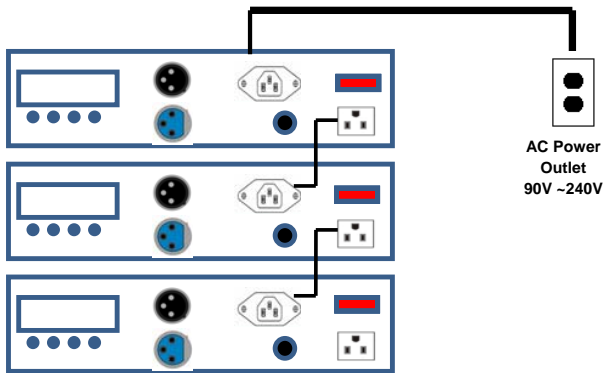
Once disconnected, connect the battery pack power connector (included in package) to DC outlet.

The LED fixture must be disconnected from the battery when charging the battery.

Bracket/Yoke Assembly

The lock wash goes between the black plastic knob and the bracket. The flat washer is between the bracket and the fixture.

AC POWER LINKING

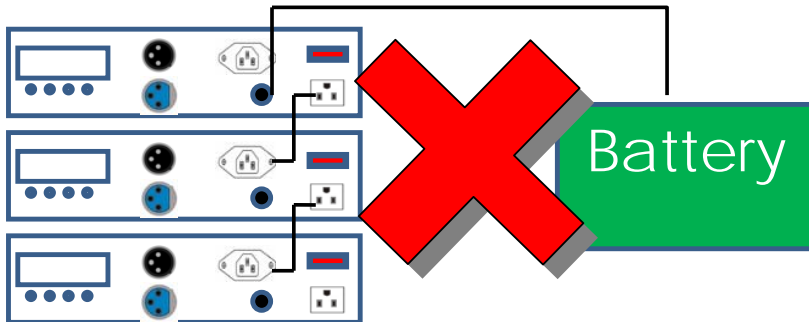


DC / BATTERY



Battery Cable: White Stripe + (Positive) , Black – (Negative)

DO NOT SETUP AS POWER LINKING WHEN USING BATTERY/DC MODE



Fixture DMX addressing

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

You can set the same starting address for all fixtures or a group of fixtures, or set different address for each individual fixture. Be advised that setting all you fixtures to the same DMX address will subsequently control all fixtures in the same fashion, in other words, changing the settings of one channel will affect all the fixtures simultaneously. If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of control channels (DMX channels) of each fixture. That means changing the settings of one channel will only affect the selected fixture.

AURORAE LED PAR LP-10, is a six channel fixture, you should set the starting DMX address of the first unit to 1, the second unit to 7 (6 + 1), the third unit to 13 (6 + 7), and so on.

Signal Linking

In order to use this fixture in a DMX or master/slave operation, you must daisy chain, using DMX cables to link from one fixture to another.



XLR Pin Data: 1 = Ground, 2 = Data (-), 3 = Data (+)

DMX Mode

This mode allows the unit to be controlled by any universal DMX controller. If you are unfamiliar with DMX,

- 1) Press the <MODE> button until is displayed DMX address (A001- A255),
- 2) Use the <UP> and <DOWN> buttons to select the desired DMX address.
- 3) Press the <ENTER> button to store the address.
- 4) Press the <MODE> button to go back to previous Menu.



Functions and Values:

DMX CHANNEL	DMX VALUE	SPECIFICATION
CHANNEL 1 : RED	0-255	DIM : 0 – 100%
CHANNEL 2 : GREEN	0-255	DIM : 0 – 100%
CHANNEL 3 : BLUE	0-255	DIM : 0 – 100%
CHANNEL 4 : DIMMER	0 -10 11-17 18-255	NO FUNCTION SHUTTER CLOSED DIMMER: 0-100%
CHANNEL 5: MACRO	000-016	NO FUNCTION
	017-023	BLACK OUT
	024-031	RED 70% GREEN 100% BLUE 100%
	032-039	RED 100% GREEN 70% BLUE 100%
	040-047	RED 100% GREEN 50% BLUE 100%
	048-055	RED 100% GREEN 25% BLUE 100%
	056-063	RED 100% GREEN 0 BLUE 100%
	064-071	RED 70% GREEN 0 BLUE 100%
	072-079	RED 50% GREEN 0 BLUE 100%
	080-087	RED 30% GREEN 0 BLUE 100%
	088-095	RED 0 GREEN 0 BLUE 100%
	096-103	RED 0 GREEN 25% BLUE 100%
	104-111	RED 0 GREEN 50% BLUE 100%
	112-119	RED 0 GREEN 70% BLUE 100%
	120-127	RED 0 GREEN 100% BLUE 100%
	128-135	RED 0 GREEN 100% BLUE 70%
	136-143	RED 0 GREEN 100% BLUE 50%
	144-151	RED 0 GREEN 100% BLUE 25%
	152-159	RED 0 GREEN 100% BLUE 0
	160-167	RED 25% GREEN 100% BLUE 0
	168-175	RED 50% GREEN 100% BLUE 0
	176-183	RED 70% GREEN 100% BLUE 0
	184-191	RED 100% GREEN 100% BLUE 0
	192-199	RED 100% GREEN 80% BLUE 0
	200-207	RED 100% GREEN 60% BLUE 0
	208-215	RED 100% GREEN 40% BLUE 0
	216-223	RED 100% GREEN 30% BLUE 0
	224-231	RED 100% GREEN 20% BLUE 0
	232-239	RED 100% GREEN 10% BLUE 0
	240-247	RED 100% GREEN 0 BLUE 0
	248-255	RED 100% GREEN 100% BLUE 100%
CHANNEL 6 : EFFECT	0 -5 06 -35 36 -65 66 -95 96 -125 126 -155 156 -255 186--215 216--245 246--250 251--255	NO FUNCTION STROBE SPEED PAUSE STROBE EFFECT COLOR FADE STROBE COLOR CHANGING COLOR FADE DIMM IN THAN DIMM OUT COLOR FADE SHUTTER OPEN THAN DIMM OUT COLOR FADE SHUTTER CLOSE THAN DIMM IN COLER FADE RAINBOW EFFECT SOUND ACTIVATION MODE 1 SOUND ACTIVATION MODE 2

Stand-Alone Mode (Sound-Active, Auto Mode)

1. This mode allows a single unit to run to the beat of the music, or the unit will auto change in Auto Mode. Press the <MODE> button until is displayed “ SLAE “.
2. Use the <UP> and <DOWN> buttons to locate the desired program (FLAS, FAde, FbdE, ACC-, Sud1, Sud2).Some programs are static, and some can trigger to sound. See the Menu Values section on the previous page for a complete list of programs.
3. Each program has settings which can be configured by pressing <ENTER> while the program is displayed. Press <ENTER> while the program is displayed. Use <UP> and <DOWN> buttons to the desired setting (Level 00 – 12) and press <ENTER>, Use <UP> and <DOWN> buttons to change the level (00 – 12) and press <ENTER>.See the Menu Values section on the previous page for a complete list of settings.
4. Press the <MODE> button to go back to previous Menu.

Static Color Mixing

This function will allow the fixture to select specific colors without the use of a DMX console.

- 1) Press <MODE> until <r---> displayed then press <ENTER>
- 2) Use <UP> and <DOWN> buttons to select desired color Red <r--->, Green <g---> and Blue <b--->
- 3) Press <ENTER>
- 4) Use <UP> and <DOWN> buttons to select desired value for each color (from 000 – off to 255 – brightness)
- 5) Press <ENTER>
- 6) Press <MODE> to go back to previous page, repeat steps 2 – 5 to set another color.

Master/Slave Mode (Master Sound, Master Auto)

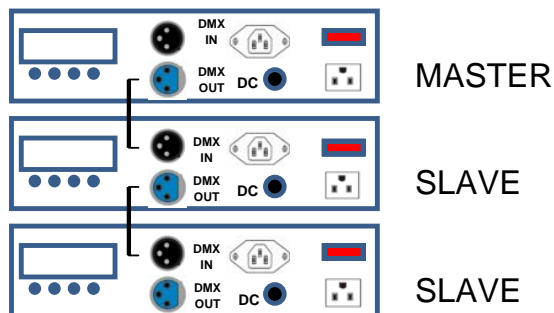
The Master/Slave mode allows LP-10 fixture to control one or more LP-10 fixtures without a DMX controller. The controlling fixture becomes the “master” when running an Auto program, a Custom program, or by being in static mode. The controlled fixtures are the slaves and you must set them to SLAVE mode from their respective control panels. During the Master/Slave operation, the slave fixtures will operate in unison with the master fixture.

The master and slave fixtures link to each other using the standard DMX serial connection.

Do not connect a DMX controller to the fixtures operating in Master/Slave mode. Otherwise, the signals from the DMX controller may interfere with the signals from the master unit.

This mode will allow you to link up to 32 units together without a controller.

- 1) Use standard DMX cables to daisy chain your units together via the DMX connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.
- 2) Determine which fixture will be the master. Connect a DMX cable from the DMX output connector of the master to the DMX input connector of other fixtures.
- 3) Continue connecting the slaves together with DMX cables
- 4) Press the <MODE> button on the master unit, until is displayed “ SLAE “.
- 5) Use the <UP> and <DOWN> buttons to locate the desired program (FLAS, FAdE, FbdE, ACC-, Sud1, Sud2).
Some programs are static, and some can trigger to sound. See the Menu Values section on the previous page for a complete list of programs.
- 6) Each program has settings which can be configured by pressing <ENTER> while the program is displayed. Press <ENTER> while the program is displayed. Scroll through to the desired setting and press <MODE>. See the Menu Values section on the previous page for a complete list of settings.



DISPLAY MENU

MAIN MANUAL	FEUNCTION	SELECTION	VALUE	INSTRUCTION
A001	A001-A512	DMX ADDRESS	A001 – A512	
RBG	R---	RED	0-255	0 – OFF 255 BRIGHTNESS
	G---	GREEN		
	B---	BLUE		
SLAE	SLAE	SLAVE MODE		SLAVE MODE
	FLAS	AUTO COLOR FADE (STROBE EFFECT)	FL00 – FL12	STROBE RATE: FL00 – LO FL12 – HI
	FADE	AUTO COLOR FADE	FA00 – FL12	FADE TIME: FA00 – SLOW FA12 - FAST
	FBDE	AUTO COLOR FADE (DIMM IN THAN DIMM OUT)	FB00 – FB12	FADE TIME: FA00 – SLOW FA12 - FAST
	ACC-	AUTO COLOR CHANGING	AC00 – AC12	COLOR CHANGING TIME: AC00 – SLOW AC12 - FAST
	SUD1	SOUND ACTIVATED (STROBE EFFECT)		
	SUD2	SOUND ACTIVATED (COLOR CHANGING)		

Technical Specifications

Weight & Dimensions

Length	8.5 in (216 mm)
Width	8.5in (216 mm)
Height	4in (102mm)
Weight	3.75lbs (1.7 kg)

Power

Auto-ranging	96~240 VAC, 50/60 Hz
Power Consumption @ 120 V.....	18 W (0.3 A)
Power Consumption @ 230 V.....	17 W (0.568 A)
DC Input	12V / 1.3A
Fuse	7A
Battery Cable:	White Stripe +(Positive) , Black - (Negative)
Inrush Current	0.3 A @ 110 V, 0.2 A@ 230 V
Power Linking	20 units max @ 110 V

Light Source

Type	10mm, 50,000 hrs LEDs
Configuration.....	180 LEDs (60 Red, 60 Green, 60 Blue)

Photometric

Beam angle:.....;	25°
Luminance:.....	1350 Lux @ 3 m

Thermal

Maximum ambient temperature	104° F (40° C)
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Control & Programming

Data input.....	3-pin XLR male socket
Data output	3-pin XLR female socket
Data pin configuration.....	Pin 1 Ground, pin 2 (-), pin 3 (+)
Protocols	USITT DMX512
DMX Channels.....	6

Warranty Information

Warranty.....	1-year limited warranty
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