

User Manual



ECOPAR2

SLI-ECOPAR2

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1. BEFORE USAGE

This package contains

- 1x EcoPar 2
- 1x Power Cable
- 1x User Manual

Unpacking

- Thank you for purchasing this product, it has been thoroughly tested and has been shipped in perfect operating condition.
- Carefully check the packaging for damage that may have occurred during shipping.
- If the packaging appears to be damaged, carefully inspect your fixture for any damage and be sure all equipment necessary to operate the unit has arrived intact.
- If damage has been found or parts are missing, please contact your vendor or our customer support number for further instructions.

Introduction

- This fixture can operate in six different operating modes: DMX control, sound active, automatic, manual setup, infrared remote control or in a Master/Slave configuration
- This product comes with several built-in programs that can be used while operating as a single unit or with multiple units linked in a master/slave configuration
- For best results use fog or special effects smoke to enhance the beam projection
- **Warning!** To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- **Warning!** This product may cause severe eye damage. Avoid looking directly into the light source at all times!

Specifications

- Voltage: AC100V~240V, 50-60Hz
- Power Consumption: 40W
- Light source: 5x 8W RGBW 4 in 1 LED
- Beam angle: 25°
- Max output @1m: 5600 Lux
- DMX channels: 1/2/3/4/5/6/7/8 DMX Channels
- Packing Dimensions: 210x210x140mm
- Net weight: 1,0 Kg
- Gross weight: 1,2 Kg

Features

- 3PIN XLR DMX in and out
- IEC power in and out
- 6 control modes: DMX512, automatic programs, sound control, mast/slave, manual setup and infrared remote control
- LCD display for easy setup
- Indoor operation temperature range: -20°C~+40°C
- Dimmer: 0-100%

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

2. INSTALLATION

Installation requirements

- The product can be hung or placed on a solid surface with the double mounting brackets
- If you install the light in a hanging position, always use a suitable mounting position and a clamp or screw that is strong enough to hold the product without stress. Always use a safety wire to secure the light.
- Always keep a distance of minimum 0.5m to all objects or persons
- Installation should always be done by a trained professional.
- Make sure the light always has good ventilation
- It is recommended to always use 110 Ohm DMX cable to prevent data corruption of your DMX control signal

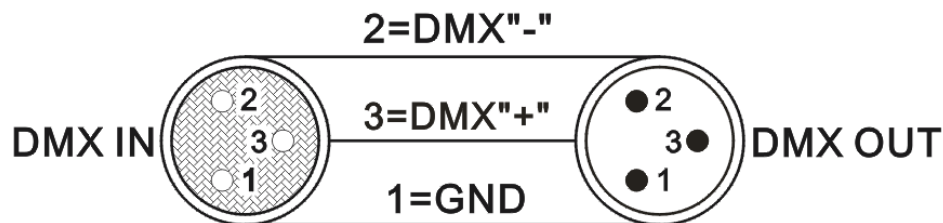
Power connection

The equipment has an auto-switching power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This equipment will accommodate between 100V and 240v AC 50-60HZ. It is possible to daisy chain the power connection from one fixture to the next. We recommend not connecting more than 30 fixtures on one 16A 220V socket and not more than 15 fixtures on one 16A 110V socket.

Color	Connection	PIN
Brown	AC live wire	1
Blue	AC zero curve	2
Green/Yellow	AC ground wire	3

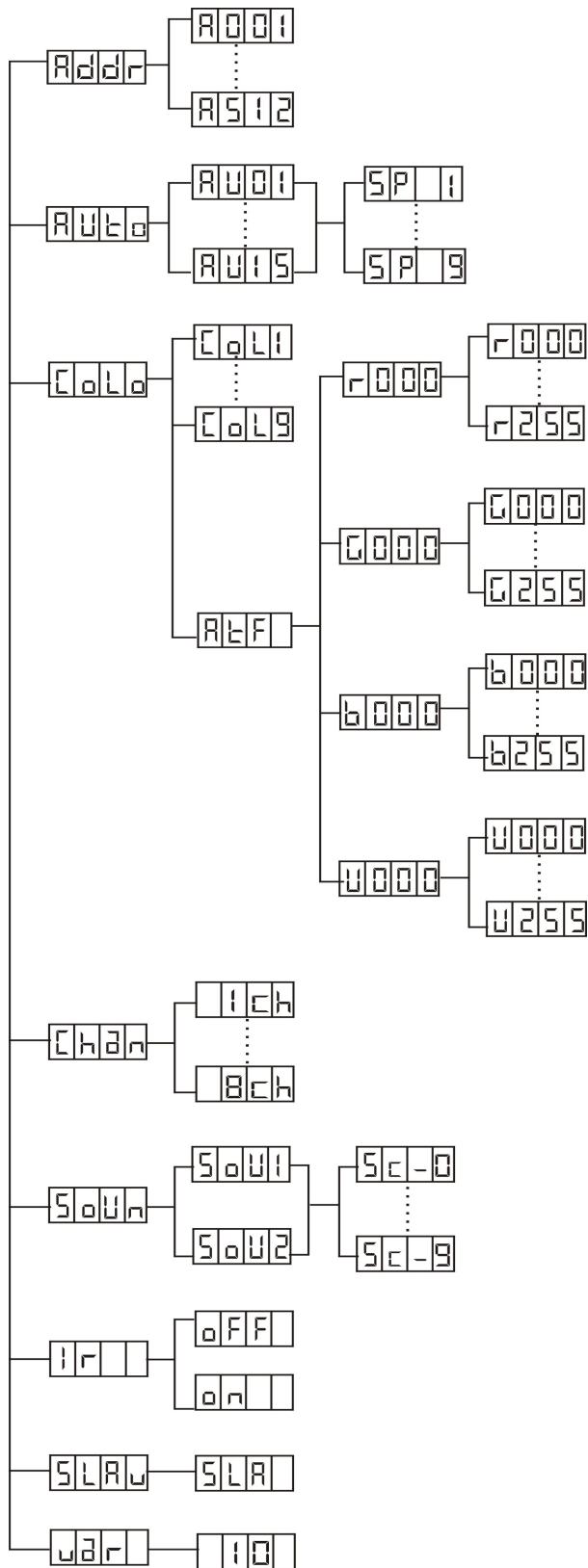
DMX Serial Data Link

1. Connect the male 3pin DMX input of the first fixture to the female 3pin DMX output of the lighting controller using 110 Ohm DMX cable, for example a Stagg Commandor 10 (skip this step when not using a controller)
2. Connect the output of the first fixture to the input of the next fixture using 110 Ohm DMX cable. Repeat this process until you reach your last fixture. Here it is recommended to connect a DMX terminator to the output of the last fixture in the chain.



3. OPERATION

Menu Map



Operating Instructions

Addr - **DMX Address Setup**

- Press MENU, then Up or DOWN until "Addr" is displayed, then press ENTER
- Change the DMX address by pressing UP or DOWN
- Press ENTER to save the DMX address

Auto - **Automatic Programs Setup**

- Press MENU, then Up or DOWN until "Auto" is displayed, then press ENTER
- "Autx" will now be displayed. Choose your desired program by pressing UP or DOWN. Press Enter to select the program
- "SPx" will now be displayed. Choose the running speed for the program by pressing UP or DOWN

Colo - **Preset Colors Setup**

- Press MENU, then UP or DOWN until "CoLo" is displayed, then press ENTER
- Either "CoL X", "X" representing a number between 1-9 or "AtF" will be displayed. Press UP or DOWN to select a preset color, press ENTER to confirm.
- Select "AtF" and press ENTER to enter "AtF" mode which lets you mix your own color. Enter the desired amount of Red into "rxxx", press ENTER, the desired amount of Green into "Gxxx", press ENTER, the desired amount of Blue into "bxxx", press ENTER. You can adjust the amount with the UP and DOWN buttons.

Chnd - **DMX Channel Modes**

- Press MENU, then UP or DOWN until "Chnd" is displayed, then press ENTER
- "X Ch" will now be displayed. "X" represents the DMX mode you have selected (see DMX channel charts for reference). Choose your desired DMX mode with UP or DOWN and press ENTER to confirm.

Soun - **Sound Control Setup**

- "Soun" will now be displayed. Choose your desired Sound Controlled Program by pressing UP or DOWN. Press Enter to select the program.
- "SouX" will now be displayed, X being a number from 1 to 9. Using UP or DOWN you can adjust the sensitivity of the internal microphone.

Ir- **Enable/Disable Infrared Receiver**

- Press MENU, then UP or DOWN until "Ir" is displayed, then press ENTER
- Press UP or DOWN to set the IR receiver to ON or OFF. When ON the unit can receive commands from the IR-REMOTE, when OFF it can not. This feature works together with Master/Slave mode, so only the Master fixture should be set to ON and all the Slave fixtures should be set to OFF

SLav - **Master/Slave Setup**

- Press MENU, then UP or DOWN until "SLav" is displayed, then press ENTER
- "Sla" will now be displayed. Slave mode is selected for this fixture, it will follow automatic programs, sound mode and fixed color/atf selection of the Master fixture it is connected to.

VER - **Software Version**

- Press MENU, then UP or DOWN until "SLav" is displayed, then press ENTER
- The current software version is displayed, press MENU to exit.

Infrared remote control

Before using the IR Remote, always check the following:

1. Please make sure the battery has sufficient charge, if not replace the battery
2. Please confirm the "Ir" setting in the fixture's menu is set to on.
3. Take into account the remote works best at a distance of 1.5 to 4m



Remote control functions:

1: "BLACK OUT" : Function Exit

2: "DMX" setup of the fixtures DMX address. Press this button, then press "+" or "-" to increase or decrease between A001-A512. Alternatively you can enter the address with the numerical keypad (0,1,2,3,4,5,6,7,8,9). The first key press enters the first number, the second the second number and the third the third number. For example: A053 = Button 0, then button 5, and then button 3.

3: "SLAVE" : This will put the device in SLAVE mode

4: "AUTO1" & "AUTO2": These 2 buttons are hotkeys to the first two Automatic Programs in AUTO mode. If you want to select higher programs, use the UP or DOWN buttons on the remote. You can adjust the run speed with the SPEED button (explained below)

5: "SOUND1" & "SOUND2": These 2 buttons are hotkeys for the two Sound Controlled Programs. You can adjust the sensitivity of the microphone with the SPEED button (explained below)

6: "SPEED": When the fixture is in AUTO mode, this button will adjust the speed of the selected program. When the fixture is in SOUND mode, this button will adjust the sensitivity of the microphone.

7: "R/G/B/W": These buttons can be used to create a user-mixed color. Press R(ed), G(reen), B(lue) or W(hite) and used UP or DOWN to adjust the level of brightness of this color. Alternatively, enter a value between 0 and 255 with the numerical buttons.

8: "STROBE": When using the fixture in manual color mode, this button activates the strobe function. Using UP or DOWN you can adjust the strobe rate from 0-20Hz.

9: "UP" & "DOWN" : These two buttons are used to adjust various parameters of the fixture.

10: "0,1,2,3,4,5,6,7,8,9": These buttons are used to either setup a DMX address or enter the brightness value when using manual Color Mixing with the R/G/B/W buttons.

DMX 512 Control

This function allows you to use a universal DMX-512 controller such as the Stagg COMMANDOR 4 or Stagg COMMANDOR 10 to control the Ecopar 2, a DMX controller allows you to create unique programs tailored to your individual needs. The Ecopar 1 uses different DMX channel modes, this will allow you to create custom lightshows. Follow the instruction on the following DMX address charts.

DMX Channels

1 Channel Mode

Channel	Value	Function
1		Color Macros (LED @100%)
	0-15	OFF
	16-31	RED
	32-47	GREEN
	48-63	BLUE
	64-79	WHITE
	80-95	RED & GREEN
	96-111	RED & BLUE
	112-127	RED & WHITE
	128-143	GREEN & BLUE
	144-159	GREEN & WHITE
	160-175	BLUE & WHITE
	176-191	RED & GREEN &BLUE
	192-207	RED & GREEN &WHITE
	208-223	RED & BLUE &WHITE
	224-239	GREEN & BLUE &WHITE
	240-255	RED & GREEN & BLUE &WHITE

2 Channels Mode

Channel	Value	Function
1	0-255	COLOR MACROS (See 1 Channel DMX mode for colors)
2	0-255	Dimmer (0%-100%)

3 Channel mode

Channel	Value	Function
1	0-255	COLOR MACROS (See 1 Channel DMX mode for colors)
2	0-255	Dimmer (0%-100%)
3	0-15 16-255	Strobe OFF STROBE 0-20Hz

4 Channel mode

Channel	Value	Function
1	0-255	Red (0%-100%)
2	0-255	Green (0%-100%)
3	0-255	Blue (0%-100%)
4	0-255	White (0%-100%)

5 Channel mode

Channel	Value	Function
1	0-255	Red (0%-100%)
2	0-255	Green (0%-100%)
3	0-255	Blue (0%-100%)
4	0-255	White(0%-100%)
5	0-255	Dimmer (0-100%)

6 Channel mode

Channel	Value	Function
1	0-255	Red (0%-100%)
2	0-255	Green (0%-100%)
3	0-255	Blue(0%-100%)
4	0-255	White (0%-100%)
5	0-255	Dimmer (0-100%)
6	0-255	COLOR MACROS (See 1 Channel DMX mode for colors)

Channels 1, 2, 3, & 4 will not work, when Channel 6 is being used.

7 Channel mode

Channel	Value	Function
1	0-255	Red (0%-100%)
2	0-255	Green (0%-100%)
3	0-255	Blue (0%-100%)
4	0-255	White (0%-100%)
5	0-255	Dimmer (0-100%)
6	0-15 16-255	STROBE OFF STROBE 0-20Hz
7	0-255	COLOR MACROS (See 1 Channel DMX mode for colors)

8 Channel mode

Channel	Value	Function
1	0-255	Red (0%-100%)
2	0-255	Green (0%-100%)
3	0-255	Blue (0%-100%)
4	0-255	White (0%-100%)
5	0-255	Dimmer (0-100%)
6	0-15 16-255 0-255 0-31 32-255	OFF STROBE 0-20Hz PROGRAM SPEED SLOW - FAST SOUND ACTIVE OFF SOUND SENSITIVITY LOW - HIGH
7	0-51 52-102 103-153 154-204 205-255	COLOR MIX MODE COLOR MACROS MODE COLOR CHANGE MODE COLOR FADE MODE SOUND ACTIVE MODE

8	0-255	COLOR MACROS & MODES
		COLOR MACROS
		(See 1 Channel DMX mode for colors)
		COLOR CHANGE MODE
	0-32	Color Change1
	33-64	Color Change2
	65-98	Color Change3
	99-130	Color Change4
	131-162	Color Change5
	163-194	Color Change6
	195-255	Color Change7
		COLOR FADE MODE
	0-32	Color Fade 1
	33-64	Color Fade 2
	65-98	Color Fade 3
	99-130	Color Fade 4
	131-162	Color Fade 5
	163-194	Color Fade 6
	195-255	Color Fade 7
		SOUND ACTIVE MODE
	0-128	SOUND ACTIVE MODE 1
	129-255	SOUND ACTIVE MODE 2

When Channel 7 is at a value of 0-51, Channels 1-4 are used and Channel 6 will control strobe.

When Channel 7 is at a value of 52-102, Channel 8 is in Color Macros Mode and Channel 6 will control strobe.

When Channel 7 is at a value of 103-153, Channel 8 is in Color Change Mode and Channel 6 will control the color change speed.

When Channel 7 is at a value of 154-204, Channel 8 is in Color Fade Mode and Channel 6 will control the color fade speed.

When Channel 7 is at a value of 205-255, Channel 8 is in Sound Active Mode and Channel 6 will control the sound sensitivity.

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IMPORTANT SAFETY INSTRUCTIONS

READ AND KEEP THESE INSTRUCTIONS. HEED ALL WARNINGS.

- If, after you have followed the instructions outlined above, this device fails to function, please contact your dealer. Under no circumstances should this device be opened. Leave all servicing to qualified personnel.
- Electrical appliances must never be used in conditions of high humidity or heat. To prevent any risk of fire or electric shock, never spill or splash liquids on this device. Should this happen, unplug the power cable from the mains outlet and switch off the mixer immediately.

MARKING & CONFORMITY

1. The CE mark on this product means it conforms to the EMC Directive (2004/108/CE), CE marking Directive (93/68/EEC) and Low Voltage Directive (2006/95/EC).
2. The «Crossed-out Wheeled Bin» is to draw your attention to the WEEE (Waste Electric & Electronic Equipment) Directive (2002/96/EC). It means this apparatus must be collected separately for recycling.
3. «RoHS compliant» means this device conforms to the Directive (2002/95/EC) on the restriction of the use of certain hazardous substances in electrical and electronic equipments, such as: Mercury, Lead, Cadmium, Hexavalent Chromium, Polybrominated Biphenyl (PBB) and Polybrominated Diphenyl Ethers (PBDE).

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