SOLENA
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Mini Par 12

12*1W RGBW Indoor LED Par Light

User's Manual

ATTENTION: Read this manual before using. Do not attempt to open the housing or repair this device by yourself without contact us!

General Instructions

Unpacking:
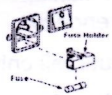
Thank you for purchasing this product. Please read user guide for safety and operations information before using the product. Keep this manual for future reference. This product can create perfect light programs and effects since it has passed a series of strictly tests before delivery. Please check the attachments listed on the page after opening the carton. Immediately upon receiving a fixture, carefully unpack the box. Check the box contents to ensure that all parts are present and that they are in good condition. If any part appears damaged from shipping, or if the box shows signs of mishandling, notify the shipper immediately. In addition, retain the box and all the packing material for inspection. In any event, save the carton and all packing material because, in case that you have to return the fixture to the factory, you will have to do so in its original box, with its original packing.

What is included: 1* Light, 1*Power Cable, 1*User Guide

Safety Notice:

Please read the following notes carefully because they include important safety information about the installation, usage and maintenance of this product. It is important to read all these notes before starting to work with this product.

⚠	There are no user serviceable parts inside the light. Any reference to servicing this unit you may find from now on in this User Manual will only apply to properly C we certified technicians. Do not open the housing or attempt any repairs unless you are one of them.
ⓘ	Please refer to all applicable local codes and regulations for proper installation of the light.
📖	Keep this manual for future consultation. If you sell the light to another user, make sure that they also receive this manual.
	Avoid direct eye exposure to the light source while the fixture is on. Always disconnect the light from its power source before servicing. Always connect the light to a grounded circuit to avoid the risk of electrocution.

	This product is for indoor use only! Use only in dry locations. Keep this device away from rain and moisture, excessive heat, humidity and dust. Do not allow contact with water or any other fluids, or metallic objects.
	Make sure there are no flammable materials close to the fixture(s) while operating.
Danger Electrical shock risk	Please prevent this light away from electrical shock
	When hanging this fixture, always secure it to a fastening device using a safety cable (not provided).
Power 110V 240V Ground	Always make sure that you are connecting the light to the proper voltage, as per the specifications in this manual or on the product's sticker. Never connect the light to a dimmer pack. Make sure that the power cable is not cracked, crimped or damaged. Never disconnect the fixture by pulling or tugging on the power cable.
	The maximum ambient temperature (Ta) is 104 F (40 C). Do not operate the fixture at a higher temperature. In case of a serious operating problem, stop using this product immediately!
	Use cleaning tissue to remove the dust absorbed on the external lenses periodically to optimize light output.
Fuse Holder Fuse	Always replace with the exact same type fuse, replacement with anything other than the specified fuse can cause fire or electric shock and damage your unit, and will void your manufactures warranty.
	Do not remove or break the warranty label, otherwise it void the warranty.
	There are no serviceable parts in the LED light. Please have all servicing and adjustments made by a qualified service engineer.
	Don't throw this product away just as general trash, please dispose of this product following the abandon electronic product regulation in your country.
	To protect the environment, recycle packing material wherever possible.

LED Expected Lifespan

LEDs gradually decline in brightness over time. HEAT is the dominant factor that leads to the acceleration of this decline. Packaged in clusters, LEDs exhibit higher operating temperatures than in ideal or singular optimum conditions. For this reason when all color LEDs are used at their fullest intensity, life of the LEDs is significantly reduced. It is estimated that a viable lifespan of 40,000 to 50,000 hours will be achieved under normal operational conditions. If improving on this lifespan expectancy is of a higher priority, place care in providing for lower operational temperatures. This may include climatic-environmental and the reduction of overall projection intensity.

Technical Specification

(1)Super bright LED light

(2) long life span upto 20000 hours

(3) Many functions can be achieved through DMX control, such as color change, speed control, strobe, LED brightness, dimmer, etc.

*LED source: 12*1W RGBW LEDs, total power 12W

*Dimming: electronic dimmer 0% 100%

*Beam angle: 25 degrees

*Operation mode: Sound Active, AUTO, DMX, Master/Slave

*DMX channel: 5CH and/or 8CH

*4 digital display

*Interface: 3 pins XLR jack for DMX or Maser-Slave linking

*Voltage: AC90-240V, frequency: 50HZ to 60HZ, 2A

*Power Rate: 12W

*Net Weight: 0.3Kg

*Gross Weight:0.5Kg (inner box)

*inner: 153*137*115(0.0024cbm)

*Outer Box: 568*326*365 (0.068cbm), 24pcs/CTN

Fixture Appearance
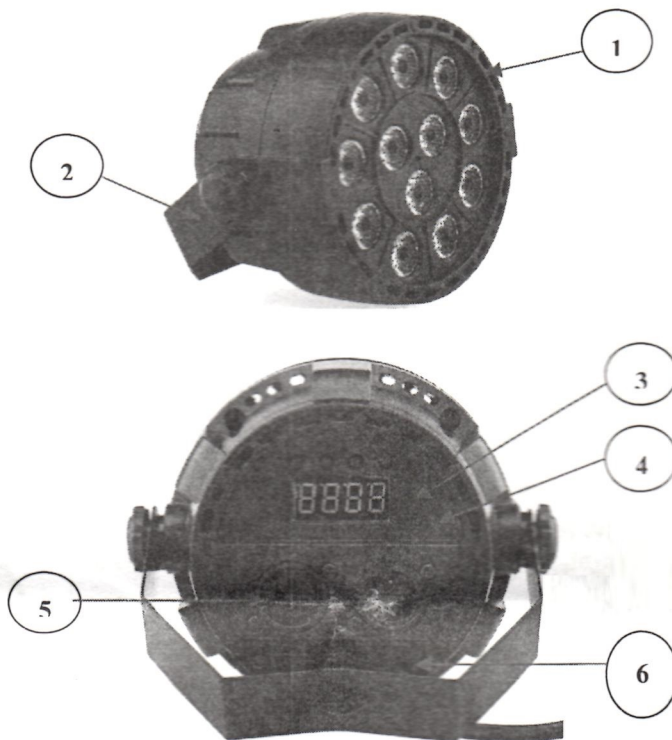
1. LED bulbs,   2. hanging handle,   3. LCD Digital display
4. key menu: menu, enter, up, down,5. DMX linking XLR IN/OUT,
6.Power source

Function & Setting

Sound Active

The change of the LED pattern is controlled by sound, that is, the rhythm of the sound control the effect of the changing light pattern.

AUTO

Auto cycles the built-in programs without being controlled externally. It has no light OFF.

Stand-Alone Operation (Sound Active, AUTO mode)

The mode allows a single unit to react to the beat of the music in the master mode.

1. Install the units in a suitable position (laying or appending).

2. Set dipswitch to select Sound Active or AUTO mode.

3. Turn on the unit power, the unit begins reset, then the unit begins working.

4. The unit will react to the low frequencies of music via the internal microphone. Adjust the audio sensitivity knob on the back of the unit to make the unit more or less sensitive in sound active. The panel has LED indicating for sound active.

Master-Slave Operation

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

1. Install the units in a suitable position (laying or appending).

2. Choose a unit to function as Master mode, set dipswitch to select Sound Active or AUTO mode. The others must be set to Slave mode, set dipswitch to select Slave mode.

3. Use standard XLR microphone cable chain your units together via the XLR connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.

INPUT — COMMON / DMX + / DMX -

OUTPUT

Resistance 120 ohm 1/4w between pin 2 (DMX -) and pin 3 (DMX +) of the last fixture.

Termination reduces signal errors. To avoid signal transmission problems and interference, it is always advisable to connect a DMX signal terminator.

Caution: Do not allow contact between the common and the fixture's chassis ground. Grounding the common can cause a ground loop, and your fixture may perform erratically. Test cables with an ohm meter to verify correct polarity and to make sure the pins are not grounded or shorted to the shield or each other.

4. Turn on the all units' power, the units begins reset, and then the unit begins working. The slave units will re-act the same as the master unit.

5. The units will react to the low frequencies of music via the internal microphone. Adjust the audio sensitivity knob on the back of the master unit to make the unit more or less sensitive in sound active. The panel has LED indicating for sound active.
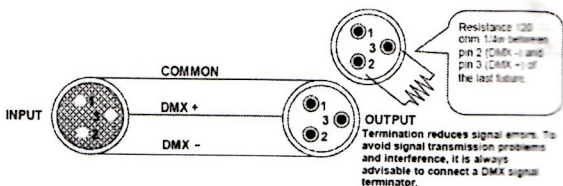
Universal DMX Operation (DMX mode)

The system only accepts the DMX512 signal of international standard to control the system. This mode allows you to use universal DMX-512 console to operate.

1. Install the units in a suitable position (laying or appending).

2. Use standard XLR microphone cable chain your units together via the XLR connector on the rear of the units. For longer cable runs we suggest a terminator at the last fixture.

3. Assign a DMX address to each the unit using dipswitches, see the "DMX Address Quick Reference Char".

4. Turn on the all units' power, the units begins reset, and then the unit begins working.

5. Use DMX console to control your units.

DMX Control:

The LED light only accepts the DMX512 signal of international standard to control the light.

DMX Control Parameter Chart

(1) 5 channels

Channel	Function	Value	Description
CH1	Red brightness	0-255	Dark to bright
CH2	Green brightness	0-255	Dark to bright
CH3	Blue brightness	0-255	Dark to bright
CH4	White brightness	0-255	Dark to bright
CH5	Strobe/Flashing	0-63	No strobe
		64-223	AUTO strobe, speed from slow to fast
		224-255	Sound strobe

(2) 8 channels

Channel	Function	Value	Description
CH1	All LEDs brightness	0-255	Dark to bright
CH2	Red brightness	0-255	Dark to bright
CH3	Green brightness	0-255	Dark to bright
CH4	Blue brightness	0-255	Dark to bright
CH5	White brightness	0-255	Dark to bright

| Channel	Function	Value	Description
CH6	Color change	0-31	Color controlled by CH1 to CH5, no all color change
		32-95	Static color selection CC01—CC16 with 15 colors controlled by CH7
		96-143	Color change RonGup –RdownGon –GonBup—GdownBon --RupBon-- RonBdown
		144-191	RonGup--RdownGon--GonWup--GdownWon--BupWon--BonWdown--GupBon--GonBdown--RupGonWup--RonGdownWon--RdownWon--GupBupWon--GdownBonWdown--RupBon--RonBdown--RonGupBup--RdownGonBon--GonBonWup--GonBdownWon--RupGonWon--RonGonWdown--RonGonBup--RonGdownBon--RonBonWup--RonBdownWon—RonWdown, color AUTO dimming, speed controlled by CH7
		192-223	R-BW-G-RW-B-GW-RGB-W-RB-GBW-RG-RBW-GB-RGW-RGBW Color AUTO jumping, speed controlled by CH7
		224-255	R-BW-G-RW-B-GW-RGB-W-RB-GBW-RG-RBW-GB-RGW-RGBW Color Sound jumping
CH7	Static color selection and speed control	0-255	CC01---CC16 15 kinds of static colors, speed from slow to fast
CH8	Strobe/Flashing	0-63	No strobe
		64-223	AUTO strobe, speed from slow to fast
		224-255	Sound strobe

Notes:

(1) Power on the light, LCD displays d001, connect XRL DMX cable, power on DMX controller, then the light will receive the DMX signal if the light and DMX Controller are connected.

(2) Under the d001, several lights are linked. If there is no DMX controlled connected, Master/slave can be set stand alone. One light is Master and other lights are Slave.

LCD Digital Display
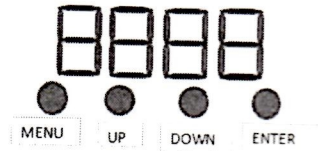
MENU: Function mode selection, such as DMX512/Masterslave, AUTO strobe, Sound Active Strobe, Constant light on, brightness adjustment

DOWN/UP: previous or next, increase or decrease

Enter: confirm and save the selection

LCD Digital Display Chart

rgbu →	r000-r255 →	r000-r255
		g000-g255
	b000-b255	b000-b255
	u000-u255	u000-u255
	S 00-S 16	S 00 -S 16
CoLo →	CC01-CC15	
AuTo →	AuLL	
	Au.01 →	S 01 —S 16
	⋮	
	Au.06	

```
Soud  ──→  Sod1
                │
           Sod5
```

```
d001-d512  ──→  d001-d512
```

```
SLAu
```

```
Ch  ──→  CH05

         CH08
```

```
SEnS  ──→  001----100
```
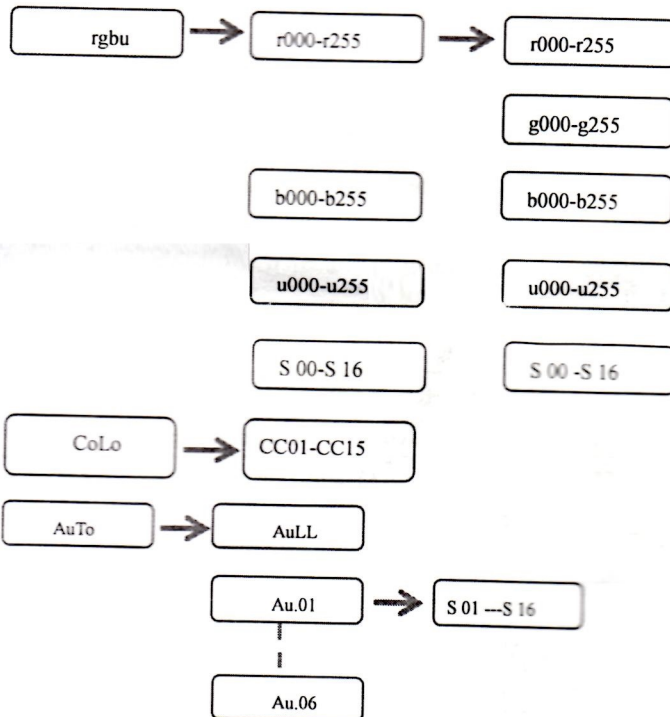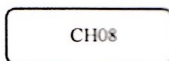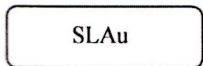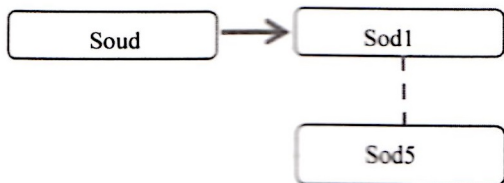
LCD Digital Operation Details

(1) Color brightness adjustment

```
rgbu  ──→  r000-r255  ──→  r000-r255

           g000-g255       g000-g255

           b000-b255       b000-b255

           u000-g255       u000-g255

           S 00-S 16
```
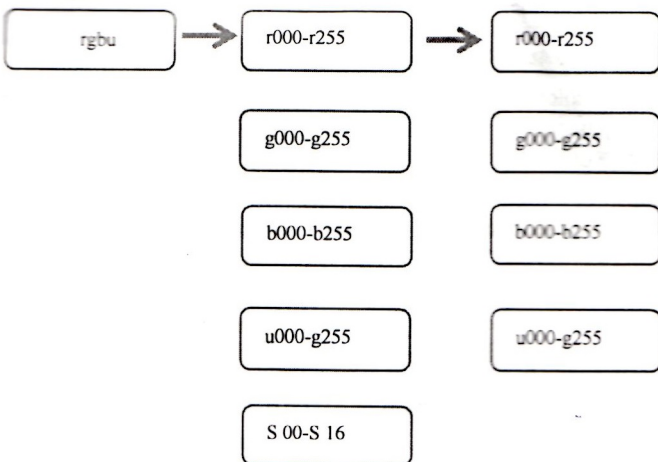
* On the MENU [rgbu], press ENTER to set color selection
*Press UP/DOWN, then press ENTER to set color brightness adjustment. Press MENU to the previous setting
* Press UP/DOWN for the increase/decrease value 0-255, press ENTER to save the value. Press MENU to the previous setting.

*Press S00-S16 to set strobe speed. Value to 00, no strobe; value 01-16, strobe speed is 1HZ-16HZ.

(2) Static color Setting

CoLo ➡ CC01-CC15

* On the MENU [CoLo], press ENTER for color setting
* Press UP/DOWN, value 01-15, it has 14 kinds of static color selections. Press ENTER to save the setting, press MENU to the previous setting.

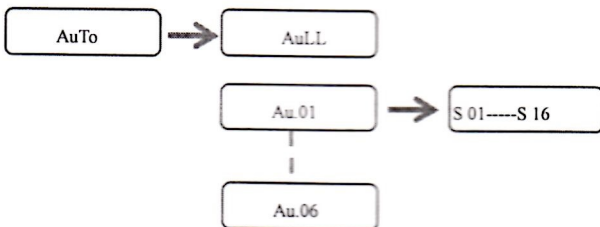## (3) AUTO mode Setting

AuTo ➡ AuLL

Au.01 ➡ S 01-----S 16
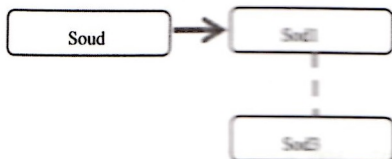
|

Au.06

* Under [AuTo], press ENTER into AUTO mode
* Press UP/DOWN to select AuLL A01.XX---A06.XX (XX:01--06) 7 kinds of AUTO mode. Press ENTER into AUTO running speed S01-S16 setting. Press MENU to the main manu.
*On the running speed setting, press UP/DOWN to set 15 kinds of speed level 01—16. Increase value for fast speed. Press ENTER to save the speed level. Press MENU to AUTO running speed mode.

AuLL	AUTO running Au.01XX---Au.06 all effects, change 30 seconds/time
Au.01	R-G-B-W 4 color AUTO jumping, speed from 01--S16
Au.02	R-BW-G-RW-B-GW-RGB-W-RB-GBW-RG-RBW-GB-RGW -RGBW 15 color AUTO jumping, speed from 01--S16
Au.03	RonGup--RdownGon--GonBup--GdownBon--RupBon—RonBdown 7 colors dimming, speed from 01--S16
Au.04	RonGup--RdownGon--GonWup--GdownWon--BupWon--BonWdown-- GupBon--GonBdown--RupGonWup--RonGdownWon--RdownWon-- GupBupWon--GdownBonWdown--RupBon--RonBdown--RonGupBup-- RdownGonBon--GonBonWup--GonBdownWon--RupGonWon-- RonGonWdown--RonGonBup--RonGdownBon--RonBonWup— RonBdownWon—RonWdown Color AUTO dimming, speed from 01--S16
Au.05	R-BW-G-RW-B-GW-RGB-W-RB-GBW-RG-RBW-GB-RGW-RGBW AUTO change, AUTO strobe, AUTO color change speed 10S, strobe speed from S01-S16
Au.06	RGBW all on and strobe, speed from S01-S16

(4) SOUND mode Setting

```
┌──────────┐      ┌──────────┐
│  Soud    │ ───▶ │  Sod1    │
└──────────┘      └──────────┘
                       ┊
                  ┌──────────┐
                  │  Sod5    │
                  └──────────┘
```

* Under [Soud], press ENTER into SOUND running mode

* Press UP/DOWN to select (Sod1—Sod3) 3 kinds of Sound running modes. Press ENTER to save the selection. Press MENU to the previos selection.

* Digital display function details:

Sod1	Includes Sod2---Sod3 All SOUND running effects. 1 minute each time
Sod2	R-G-B-W SOUND jumping
Sod3	R-BW-G-RW-B-GW-RGB-W-RB-GBW-RG-RBW-GB-RGW-RGBW 15colors SOUND jumping
Sod4	R-BW-G-RW-B-GW-RGB-W-RB-GBW-RG-RBW-GB-RGW-RGBW 15colors Sound color change strobe
Sod5	RGBW ALL LED sound strobe

(5) DMX mode Setting

```
┌──────────────┐      ┌──────────────┐
│  d001-d512   │ ───▶ │  d001-d512   │
└──────────────┘      └──────────────┘
```
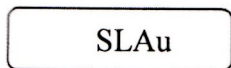
* Under [dxxx], (xxx:001--512) press ENTER into DMX512 setting mode

* Under DMX512 setting mode, press UP/DOWN to increase or decrease the address 001---512, then press ENTER to save the setting. Press MENU to the previous setting.
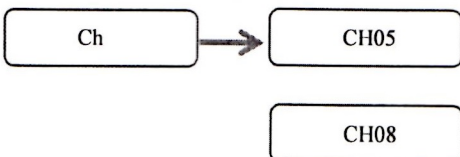
* Once DMX512 signal can be received normally, it will display d.xxx (xxx: means DMX address)

(6) Master/Slave mode Setting

```
┌──────────────┐
│    SLAu      │
└──────────────┘
```

* Under [SLAu], press ENTER into Slave mode. Once Master unit links with Slave unit in good condition, LCD displays SLAu.

(7) DMX Channel Setting

```
┌──────────┐      ┌──────────┐
│   Ch     │ ───▶ │  CH05    │
└──────────┘      └──────────┘
                       
                  ┌──────────┐
                  │  CH08    │
                  └──────────┘
```

* Under [CH], press ENTER into DMX512 channel setting.

* Press UP/DOWN to select channel CH06 or CH24, press ENTER to save the selection. Press MENU to the previous setting.

(8) Sound sensitivity setting

*Under [SEnS], press ENTER into Sound sensitivity setting

*Press UP/DOWN to increase/decrease sensitivity value 001—100, press ENTER to save the setting. Value increase, sensitivity higher

Troubleshooting

1. If the power supply indicator doesn't light up and the light doesn't work, please check the power supply, the input voltage and the fuse.

2. In Stand-Alone operation, if the power supply indicator is light up and sound active indicator isn't light up, but the light is shut off doesn't work.

A. Because sound is too small make for light shut off in sound active, please increase the music volume or increase audio sensitivity with sensitivity knob, please check as below.

B. Please check if unit has been set up in slave mode, then set up in master mode.

3. In Master-Slave operation, slave unit don't function, please check as below.

A. Make sure to there's only one master in the chain, and the others are set in slave mode.

B. Make sure to control the unit without DMX console controlling.

C. Make sure to take a good quality power cable and connection.

Warranty Warnings:

1. Damages caused by the disregard of this user manual are not subject to Warranty.

The dealer will not accept liability for any resulting defects or problems.

2. Please consider that unauthorized modifications on the device are forbidden due to safety reasons. Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.

3. If this device will be operated in any way different to the one described in this manual, it may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns electric shock, etc.

After trying the above solution you still have a problem, please contact your dealer or our company for service.

Description

Solena Mini Par 12 DMX 12x 1-Watt RGBW LED Wash Light

A lot of power in a mini package, the Mini Par 12 from Solena brings a bright RGBW color LED wash with a tiny footprint. With a 4.5 inch diameter and 3.5 inch thickness, this Mini Par can fit into the smallest spaces to shine a light on any situation. Take control with 3-pin DMX ports, or just let it run on one of the auto programs. Perfect for any accent pieces or mobile DJs on the go!

Specifications

- Physical: 4.5 inch diameter x 3.5 inch thickness,
- DMX Control Channel: 8 Channels
- LED Beam Angle: 25 Degrees
- Control Modes: Auto, Master/Slave, 3-pin DMX512
- Working environment: 20-40 Degrees Celsius
- LED Lights: RGBW 12x 1watts (3R,3G,3B,3W)
- IP20 indoor rating
- Power Supply: AC100--240V
- Frequency: 50-60Hz
- Power Consumption 15w