



# 2/4/6 WAY LED POOL LIGHT CONTROL BOX USER MANUAL



# USER MANUAL



Thank you for choosing the Sunline LED Pool Light Control Box. Before installation, please read this user manual carefully in order to correctly operate this control box. Please keep this user manual for future reference.

## SAFETY WARNING

- **Keep control box out of reach of children;**
- **Make sure all inputs are 12V-AC.**
- **Keep control box clean , dry and undercover at all times;**
- **Keep control box away from water;**
- **Do not clean the control box with water, use a damp cloth if required;**
- **Keep input terminal seal with endcap when not in use;**
- **Do not use if a broken or surface impaired cable is present;**
- **Do not turn off control box by unplugging the input power cable instead of normal switch on/off method;**
- **Do not try to open and repair the control box unless authorized by personnel from manufacturer;**
- **Do not expose control box to excessive heat, this will void all warranty;**
- **Please contact Sunline Pool Products service center if control box needs repairing; do not attempt to repair it by yourself;**
- **If the control box will not be used for long time, for safety reason, please unplug all input power cables;**

## FEATURES

<b>Multiple Light Control</b>	Allow user to control multiple lights at the same time, without switching each individual light by hand.
<b>Remote Matching</b>	Remote and control box is one to one matched; Control box is capable of matching new remotes; this will save the hassle of interfering with or being interfered by next door's remote from Sunline;
<b>Wireless Remote</b>	The wireless remote has full feature functions of the control box; it allows user to control Sunline LED pool light system freely around the pool.
<b>Easy Connection</b>	Input cable for easy connection with transformer

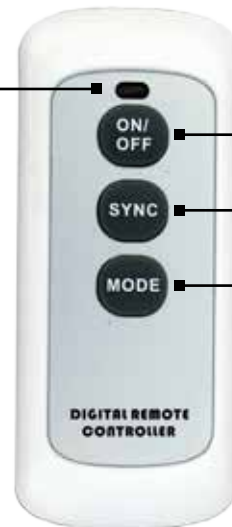
## PART DESCRIPTION



Unit control switch

Light colour selector

Synchronization button



Transmitting LED indicator

Light colour selector

Synchronization button

Switches lights On and Off

### Functions of control box and remote

Button	Function
ON/OFF	<b>ON/OFF</b> function changes the state of a light; if a light is ON, <b>ON/OFF</b> function will turn it off; if a light is OFF, <b>ON/OFF</b> function will turn it on;
SYNC	If the connected lights are ON, <b>SYNC</b> function will synchronise all these lights to the pre-programmed synchronised color mode;
MODE	<b>MODE</b> function changes the color of the connected lights to next color mode in the color sequence;

\*\* All lights are controlled at the same time.

When a button is pressed on the remote, the transmitting LED indicator will flash, which means the remote is working and sending signal to control box.

# INSTALLATION



## 1 - Position the control box

Position the control box on a flat surface. It can be placed on the ground or hung onto a wall;



## 2 - Connect input power cables

- Take off the transparent silicon end cap from the end of input cable;
- Join each input power cables to each output cable from transformer;

Make sure Light 1 input terminal is connected before other terminals in order for the control box to function.

**ATTENTION:** If Light 1 input terminal is left empty, even other input terminals are wired to 12V-AC input power, the control box will not function.



## 3. Connect lights to output terminals

- Connect each light input cables to output terminals of the control box;

There is one to one relationship between the input cables and output terminals as following:

12V-AC IN	12V-AC OUT
Light 1	Light 1
Light 2	Light 2
Light 3	Light 3
Light 4	Light 4

If there is less than 4 lights connected to the output terminals of the control box, make sure every output terminals have their corresponding input terminals connected with 12V AC input power.

## INITIAL SETUP

### 1. Initial test

- All input power cables and lights are properly connected;
- Turn on power by pressing **ON/OFF** button on control box. All lights connected to control box will be turned on.
- Test all function buttons on the control box;

### 2. Matching remote with control box

- Put battery into remote;
- press **ON/OFF** button to turn off all lights. Make sure all lights are turned off.
- Press and hold **SYNC** and **MODE** buttons at the same time for 7 seconds. This will active matching mode of the control box; all the connected lights will flash in white color;
- While the control box is in matching mode, put the remote next to the control box, press the **ON/OFF** button once from the remote; if all flashing lights are turned off, this remote is matched with the control box.

There is only one remote that can match with a control box at a time; when a new remote is matched to a control box, the old remote will be disconnected with the control box.

## MAINTENANCE

Make sure the input and output terminal of the control is clean and dry at all time; If the terminals are covered by dropped leaves or other objects over time, make sure they are cleaned away.

# TROUBLE SHOOTING

## **SYMPTOM:**

All lights are not responding to control box buttons.

## **INSTRUCTION:**

1. Check to see if Light 1's input terminal is connected to 12V-AC power. Light 1's input terminal cannot be left empty. The foundation function is powered from Light 1's input terminal.

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## **SYMPTOM:**

Some lights are not responding to the control box buttons.

## **INSTRUCTION:**

1. Trace the cable of the light that is not responding back to the control box, find out the terminal number from the output terminal of the control box, check if the corresponding input terminal is connected to power. If it is not, make sure it is correctly connected to the input power; and make sure Light 1's input terminal is connect to a power source.

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## **SYMPTOM:**

Control box is not responding to the remote

## **INSTRUCTION:**

1. Check to see if the transmitting LED indicator of the remote does not flash when a button is pressed, that means the battery is flat; if so replace the battery and repeat the above process.
  2. If the remote is working, and the buttons on the control box are also working, try rematching the remote and control box.
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## **SYMPTOM:**

**SYNC** function does not synchronize all the lights. Some lights change to other color modes rather than the pre-programmed synchronized color mode.

## **INSTRUCTION:**

1. Lights are synchronized by detecting 3 electrical pulses from the control box in AC current; Operating electrical appliances will send electrical pulses in the grid as well, if coincidentally extra pulses are caught by the light while the lights are syncing, synchronization will be interfered with and will malfunction. Keep pressing the **SYNC** button but this may not fix this problem.

Turn off all lights by pressing **ON/OFF** button, wait for 10 seconds, then turn on all the lights, **SYNC** function will become normal.

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# WARRANTY

In addition to the terms and conditions of sale, warranties implied at law and which may not be excluded, Sunline Australia warrants 2/4/6 Way LED Pool Light Control Box to be free from defect for a period of twelve months from the date of purchase by the owner from Sunline Australia or an authorized supplier of the 2/4/6 Way LED Pool Light Control Box.

Sunline Australia will repair, or authorize a qualified technician to repair, the 2/4/6 Way LED Pool Light Control Box, provided that:

- **Sunline Australia is to be notified within seven (7) days of the defect being detected;**
- **The 2/4/6 Way LED Pool Light Control Box is not operated subsequent to detection of the defect; The 2/4/6 Way LED Pool Light Control Box has not undergone any unauthorized modification or**
- **Been fitted with other than genuine Sunline Australia approved parts;**
- **The 2/4/6 Way LED Pool Light Control Box has been installed and operated in accordance with the Installation Instructions and Operating Instructions respectively.**
- **Conduit must be used for all installations from the pool light to the transformer.**
- **All repairs must be undertaken by Sunline Australia or a technician authorized by Sunline Australia.**

The Owner will be responsible for all freight and/or traveling charges for Service. Sunline Australia accepts no responsibility for goods while in transit.

Sunline Australia will not be liable to repair the 2/4/6 Way LED Pool Light Control Box if the repair is necessary because of misuse, accidental damage, and entry of foreign objects or materials into the equipment, improper or inadequate maintenance or repair or incorrect operation of the 2/4/6 Way LED Pool Light Control Box.

This warranty does not extend to reasonable wear and tear of the 2/4/6 Way LED Pool Light Control Box. To claim warranty a proof of purchase must be supplied.



## CONTACT US

### MELBOURNE

Address: 27 Westwood Drive, Deer Park, Vic 3023  
Phone: (03) 9390 0700  
Email: [sales@sunlineaustralia.com.au](mailto:sales@sunlineaustralia.com.au)  
Web: [www.sunlineaustralia.com.au](http://www.sunlineaustralia.com.au)

### ADELAIDE

Address: 152 Frederick St, Welland SA 5007  
Phone: 0419 857 987  
Email: [info@sunlinesa.com.au](mailto:info@sunlinesa.com.au)  
Web: [www.sunlineaustralia.com.au](http://www.sunlineaustralia.com.au)

### PERTH

Address: Unit 2, 10 Competition Way, Wangara WA 6065  
Ph: (08) 9303 4347  
Email: [info@sunlinewa.com.au](mailto:info@sunlinewa.com.au)  
Web: [www.sunlineaustralia.com.au](http://www.sunlineaustralia.com.au)

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