

SLX Multicolour LED Pool and Spa Lights

WARNING

FOR YOUR SAFETY – This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment in accordance with the latest applicable version of AS/NZS 3000, along with any other applicable local or council codes/standards. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation may void the warranty.

Improper installation and/or operation can create unwanted electrical hazard which may cause serious injury, property damage, or death.

ATTENTION INSTALLER – This manual contains important information about the installation, operation and safe use of this product. This information should be given to the owner/operator of this equipment.

<p>WARRANTY REGISTRATION</p>	<p>Record your equipment details here for quick reference:</p> <p>Model No. : _____</p> <p>Serial No. : _____</p>
	<p>AUSTRALIA WARRANTY:</p> <p>For full warranty terms and conditions and to register your warranty, visit www.astralpool.com.au/warranty and complete your details.</p> <p>◀ Or scan the QR code to go directly to the registration page.</p>
	<p>NEW ZEALAND WARRANTY:</p> <p>For full warranty terms and conditions and to register your warranty, visit www.astralpool.co.nz/warranty and complete your details.</p> <p>◀ Or scan the QR code to go directly to the registration page.</p>

EQUIPMENT INFORMATION RECORD

Date of Installation _____

Installer Information _____

Model _____

Notes _____

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Section 1. Important Safety Instructions

READ AND FOLLOW ALL INSTRUCTIONS

⚠ WARNING

RISK OF ELECTRICAL SHOCK OR ELECTROCUTION. This underwater niche must be installed by a licensed or certified electrician in accordance with the National Electrical Code and applicable local codes and ordinances. Improper installation will create an electrical hazard, which could result in death or serious injury to pool or spa users, installers, or others due to electrical shock, and may also cause damage to property. Read and follow the specific instructions below.

Before installing this underwater niche, read and follow all warning notices and instructions accompanying this niche. Failure to follow safety warnings and instructions can result in severe injury, death, or property damage. Visit our website astralpool.com.au to download additional copies of these instructions.

NOTICE

The AstralPool Pool and Spa niches are intended for installation in fresh water and salt water swimming pools and spas. It is important to ensure that the lights in which the niches are installed are intended for their appropriate application, either fresh water or salt water.

⚠ WARNING

Do NOT connect to a 24VAC transformer as this will result in failure and void the warranty. The product is designed for 12VAC transformers only.

SAVE THESE INSTRUCTIONS

Section 2. General Information

Your SLX/FLX Multicolour lights allow you to control the colour of the light they emit. You may choose from:

- A series of pre-set colours;
- Three levels of light intensity;
- A customised colour completely of your choosing;
- A customised changing light pattern; or,
- A series of pre-set changing light patterns.

The available colours and pattern (in order of selection) are:

1. Blue
2. Magenta
3. Red
4. Orange
5. Green
6. Aqua
7. White
8. Customised colour
9. Customised pattern
10. Rainbow pattern
11. Ocean pattern
12. Disco pattern

Section 3. Operation

The lights are fully controlled and configured using only the power switch. By using either an OFF-ON or OFF-ON-OFF-ON sequence, you can set up the lights exactly as you desire. The two sequences are referred to as a single switch or double switch sequence respectively.

To perform a single switch sequence:

- With the light powered ON, switch power OFF and ON again. Make sure that the light is OFF for less than two seconds.

To perform a double switch sequence:

- With the light powered ON, perform two single switches in a row (OFF-ON-OFF-ON). Make sure that both single switches occur within two seconds.

To turn the lights on

Simply switch the main power ON. The lights will resume in the same colour/pattern as was operating when last powered.

To turn the lights off

Simply switch the main power OFF. The lights will remember which colour/pattern they are displaying for next time.

To synchronise the lights

If you have multiple lights, you would normally want them showing the same colour or pattern. If for some reason your lights are showing different colours or patterns, you will need to synchronise them.

To synchronise your lights:

1. Turn off main power and wait for at least three seconds.
2. Turn the lights on, then within two seconds, perform a double switch sequence.

To change the selected colour/pattern

The colour/pattern of the light can be moved to the next item in the list by following these steps:

1. Wait at least three seconds after turning the lights on before changing the selected colour/pattern, otherwise a “synchronise” operation will be performed instead.
2. Perform a double switch sequence and the light will move to the next colour/pattern.
3. If this is still not the desired colour/pattern, perform a single switch sequence within ten seconds of the previous sequence.
4. You can continue to move the selection by performing repeated single switch sequences. When you are happy with your selection, simply leave the lights powered on.
5. If more than ten seconds has elapsed since your last single switch sequence, you will need to start again with a double switch sequence. This initial double switch prevents occasional dips in the mains power from changing the selection accidentally.

To customise the colour or pattern

The colour or pattern that your lights display is able to be customised to your satisfaction. You can control the intensity of your light, choose a custom colour (other the inbuilt pre-sets) and create a custom pattern.

To customise the light intensity

There are three levels of intensity: high, medium and low. This intensity is used in all colours and patterns. By default, your light will use High intensity.

To change the intensity, follow these steps:

1. Using the steps outlined above, change the light's colour selection to White.
2. Turn off the light and wait for at least three seconds.
3. Turn on the light and within two seconds perform a single switch sequence.
4. To indicate that you have entered “Intensity Configuration” mode, the light will flash every second using the White colour at high intensity level.
5. To select the next intensity level (high > medium > low > high, etc.), perform a single switch sequence and wait at least three seconds.
6. To save your selected intensity, perform a double switch sequence.

The intensity selection applies to all colours and patterns. The “synchronise” operation detailed above will not impact your intensity selection. If you have multiple lights using the same power switch, modifying the intensity level will set all those lights to the same newly selected intensity, even if they were different originally.

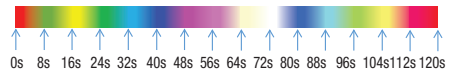
To choose a custom colour

In addition to the pre-set fixed colours (Blue, Magenta, Red, Orange, Green, Aqua and White), you can choose a unique custom colour for your lights to display. This is achieved by entering a special configuration mode; the lights will display a continually changing spectrum of colours and you simply have to make your selection when the desired colour is shown.

To change your customised colour, follow these steps:

1. Using the steps outlined above, change the light's colour selection to “Customised Colour” (i.e. one selection after White).
2. Turn off the light and wait for at least three seconds.
3. Turn on the light and within two seconds perform a single switch sequence.
4. The lights are now in “Colour Customisation” mode. The lights will begin varying their colour smoothly through Red, Orange, Yellow, Green, Aqua, Blue, Magenta, Mauve, Warm White, Cool White, Pastel Blue, Baby Blue, Pastel Green, Light Yellow and Pink. Each colour is shown for two seconds, before smoothly changing to the next over a period of six seconds.
5. When your desired colour is displayed, make your selection by performing a double switch sequence.

Your selected colour is saved into memory. Next time you choose the Customised Colour selection, your selected colour will be displayed. Since you may select when two adjacent basic colours are mixing gradually, hundreds of colours are available for your customised colour.



To create a custom pattern

In addition to the in-built colour patterns, you are able to create a Customised Pattern of your own. You can control:

- The number of segments in the pattern;
- The colour used in each segment;
- The duration of the segments;
- The effect to be used when transitioning between segments; and,
- The transition time from one segment to the next.

To configure your customised pattern, follow these steps:

1. Using the steps outlines above, change the light's colour selection to "Customised Pattern" (i.e. two selections after White).
2. Turn off the light and wait for at least three seconds.
3. Turn on the light and within two seconds perform a single switch sequence.
4. Firstly, configure the number of segments to be used in the pattern. The lights will flash Green the same number of times as segments to use, with a Red flash to break up the pattern. For example, three Green flashes indicate that three segments will be used in the pattern. You may choose from 1 to 16 segments. To change the number of segments in use, perform a single switch sequence and wait at least three seconds. To confirm the number of segments, perform a double switch sequence.
5. Next, configure the colour to use in each segment. The light will firstly flash once per second in the Blue colour. This will be the colour used in the first segment. To change the colour for the segment, perform a single switch sequence and wait at least three seconds. The colours you may choose are: Blue, Magenta, Red, Orange, Yellow, Green, Aqua, Pink, Light Yellow, Pastel Green, Baby Blue, Pastel Blue, Mauve, Cool White and Warm White. To confirm your colour selection for this segment, perform a double switch sequence. The light will then flash Blue again, as you are now configuring the next segment. Repeat this step until you have chosen a colour for all segments.
6. Next, choose the duration of each segment. Similarly to configuring the number of segments, the light will flash Green a certain number of times with a Red flash in between. Initially the number of Green flashes is 0, so you will see a Red flash only. The number of Green flashes indicates the duration of the segment.

Number of Green Flashes	Segment Duration
0	0.2 seconds
1	1 second
2	2 seconds
3	3 seconds
4	4 seconds
5	5 seconds
6	6 seconds
7	7 seconds
8	8 seconds

To change the duration of the segments, perform a single switch sequence and wait at least three seconds. To confirm your selection, perform a double switch sequence.

7. Next, configure the transition effect. To indicate the currently selected effect, the light will display a demonstration of the effect using red, green and blue colours. The available effects are: Gradual, Fade, Jump and Flash. To change the selected effect, perform a single switch sequence and wait at least three seconds. To confirm your selection, perform a double switch sequence.
8. Finally, choose the duration of transition between segments. Similarly to configuring the number of segments, the light will flash Green a certain number of times with a Red flash in between. Initially the number of Green flashes is 0, so you will see Red flash only. The number of Green flashes indicates the duration of the transition.

Number of Green Flashes	Transition Duration
0	0.2 seconds
1	1 second
2	2 seconds
3	3 seconds
4	4 seconds
5	5 seconds
6	6 seconds
7	7 seconds
8	8 seconds

To change the duration of the segments, perform a single switch sequence and wait at least three seconds. To confirm your selection, perform a double switch sequence.

9. All configuration steps are now completed and stored into memory. The light will commence displaying your new pattern.
10. You can reuse your customised pattern at any time, simply by changing the colour selection to "Customised Pattern".

Notes:

- You may repeat a colour in multiple segments, e.g. Red, Blue, Red, Green.
- “Gradual effect” means that the old colour is gradually blended into the new colour.
- “Fade effect” means the old colour will fade to black before the new one fades in.
- “Jump effect” will immediately change from the old colour to the new.
- “Flash effect” will immediately black out the light at the start of the transition time, show black during the transition, and then immediately show the new colour at the end of the transition.
- The total time to show one cycle of your customised pattern can be calculated this way:

(Duration of each segment + Duration of transition) x
(Number of segments)



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