ASTRALPOOL ®

Astral Pool SLX Light Connect Lite Controller

INSTALLATION INSTRUCTIONS

INST388

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RAINBOW POOL PRODUCTS

Quality Pool & Spa Products

FLUIDRA
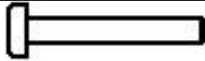
Installation of Power Supply

WARNING: If the supply cord is damaged, it must only be replaced by AstralPool, its service agent or a similarly qualified person, in order to avoid a hazard.

WARNING: The transformer is not intended for series/parallel connection.

WARNING: Never connect more than one light to a single power supply outlet. Each outlet on the power supply must go to one - and one only – underwater light.

The SLX power supply has an IP23 rating, meaning it is suitable for installation outdoors. For safe operation the power supply must be installed in the correct orientation, with the cables leaving from the bottom of the device. If installing the power supply near the pool or spa water, you must ensure that the rules of AS3000 are followed at all times. AstralPool strongly recommends that installation be performed by a registered pool builder, electrician or other suitably qualified person.

Kit Contents

Quantity	Item	
1	SLX Connect Lite Lighting Controller (4 output),	
1	RF Remote Control	
4	Light power supply plug	
2	Screw 8G*3/4	
2	Masonry plug 8G*25mm	

Basic Installation Instructions

1. The SLX Light Connect Lite Controller mounts use a "keyhole" mounting system, as shown in the following diagrams. Having identified a suitable installation location, insert the two provided mounting screws into the wall with a 100mm spacing. If affixing to masonry, use the provided masonry plugs.

Mounting Points
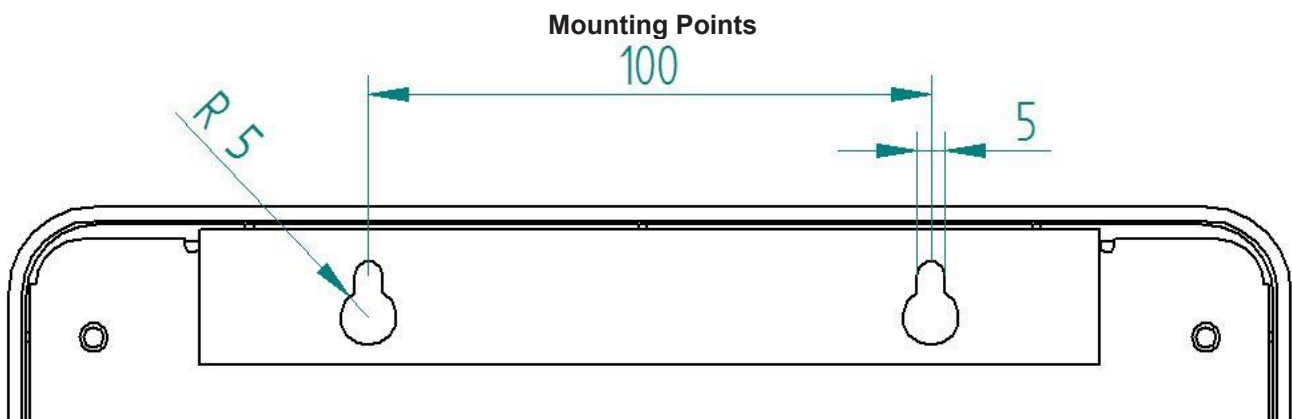
2. Hang the SLX Light Connect Lite Controller from the two screws, ensuring that the power supply drops down into place and is locked in position. Plug the SLX controller mains cable into a mains outlet.

3. To connect your lights to the power supply, insert each wire of the light cable into one of each opening in the supplied green connectors, and then tighten the screws on top. The wires can go into either opening, as there is no polarity.

4. Ensure mains power to the SLX Light Connect Lite Controller is off.

5. Insert each green connector into the bottom of SLX Lighting Transformer, into any of the available positions. The connectors will only insert one way.

6. Turn mains power on to the SLX Light Connect Lite Controller and your lights should now be off. To turn the lights on, press the ON/OFF button on the RF Remote Control.

7. The RF Remote Control can also be used to change the Light Colour (COLOUR Button) and to synchronise each light to the same colour if necessary (SYNC Button). In Basic Installations, the AUTO button on the RF Remote Control isn't used (It has no function) See Advanced Installation Instructions for use of the Auto button

Learning new remote controls for your Connect Lite Controller.

1. The remote control supplied with your product is set up or "paired" so that it will only control your Connect Lite Controller.

2. If you purchase a new remote control, you will need to pair the new remote control to your unit by following the following sequence.

3. Turn the power off to the unit at the mains point.

4. Locate the single switch (Set Up Switch) on the left hand side of the base of the unit. (See "Set Up Switch" Figure 1)

5. Turn the Power on at the mains, Press and hold the Set Up Switch within 5 seconds of turning on the mains power. Whilst still pressing the pairing switch, press the On/Off button on the remote control. Release the Set Up Switch and the new control will be paired.

NB Up to 20 RF Remote controls can be paired to 1 unit

NB If you wish to "unpair" an RF Remote control from a Connect Lite, then follow step 5 above, except press the On/Off button 3 times (You need to wait 1 second between presses of the On/Off button.)

Figure 1
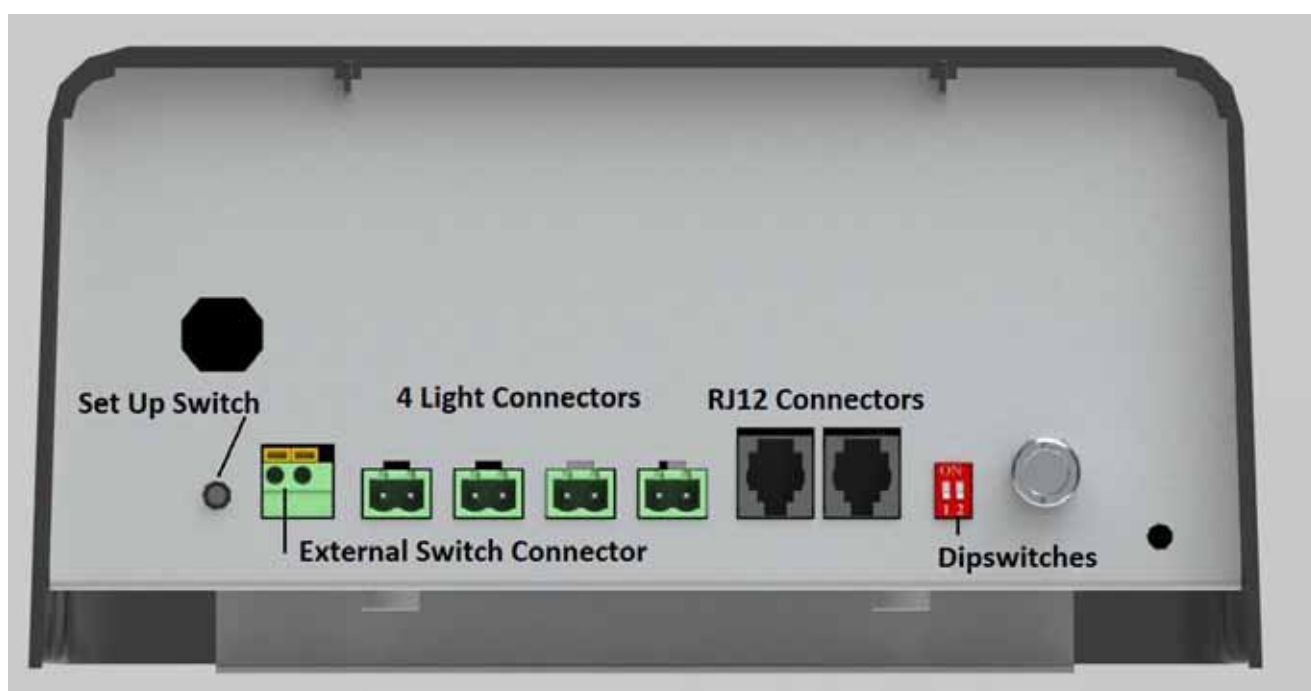
Advanced Installation Instructions

Home Automation and External Switch option.

There is a single connection for Home Automation or External Switching. (External Switch Connector Figure 1)
This connector can be wired to a switch inside of the house or to a dry relay contact of a home automation system. When the switch (or Relay) is closed, the lights will be ON, when the switch (or Relay) is opened, the Lights will be OFF.
The RF Remote control can override the External switch connection if the Switch is Open, i.e. The RF Remote control can still be used to turn the Lights ON. This override function will be reset the next time the External switch is Closed/ Opened.
If the switch is closed however, the RF Remote control can't be used to turn the Lights OFF.
This External switch is only functional if there are no other Astral Pool products plugged into either of the 2 RJ 12 Connectors. (If an Astral Pool product is plugged into either RJ 12 Connector the External Switch Connector is ignored and has no function)
The Auto Function on the RF remote control isn't available when an External switch is used.
If 2 or more units are required, they should be connected to individual relays or switches.
Each unit has it's own individual RF Remote control, however if required, both RF Remote controls can be paired with each individual unit so that each remote will turn on both Connect Lite's.

Connection to a Viron or EQ Chlorinator

The Connect Lite can be controlled by a Viron or EQ Chlorinator (Chlorinator software Version 4.0 and above). In this configuration the Chlorinator timers can be used to turn the Lights ON and OFF automatically.
To achieve this an RJ12 cable must be fitted to connect the Chlorinator to the Connect Lite controller.
Refer to your Viron or EQ Chlorinator user instructions for full details, but the following list is a quick guide.

1. Ensure that your Viron or EQ Chlorinator is installed with "Timer Enabled", "Light Enabled" and "Light Type SLX".
2. Using the standard TIMER settings on the Chlorinator you can set the Timer "Start" and "Run for X Hours", next set the desired pump operation. (Set the required speed (if a Viron pump is fitted) or set the pump to OFF if only the lights are required)
3. Next set the desired state for the light. If you require the light to be on during this timer period, set the light state to be AUTO, otherwise set it to be OFF.
4. Complete the Timer configuration by confirming the Manual On speed and exit the Timer menu.

If Lights are enabled during Installation, the lights can be controlled from the main screen of the Chlorinator.
Pressing the "LIGHT" button on the main screen will bring up an option to turn the Lights to "ON" or "OFF" or "AUTO".
This functionality is the same as using the RF Remote Control. So either press "Auto" on the RF Remote Control or set the Chlorinator LIGHT setting to "AUTO" and the lights should now turn on and off at the desired times. (The Lights acknowledge when they are switched to "AUTO" by flashing On and then Off.)

NB
The Chlorinator needs to be set to Auto mode for the lights to operate in Auto mode. i.e. If the Chlorinator is set to Manual Off, the light AUTO function is ignored and the lights will not come on automatically.
If no timers are set to control the lights, the "AUTO" function will not appear as an option on the Chlorinator screen and the AUTO button on the RF Remote Control won't work.

If 2 or more units are required to be controlled by the chlorinator the second unit can be connected to the first unit via an RJ12 cable. The Chlorinator can only control 1 zone of lighting, so all lights will come on together. If 2 or more Connect Lite's are connected together via RJ12 cables, to ensure smooth communication between each Connect LITE it is essential that only one of the Connect Lite's has Dipswitch 2 (See Figure 1) in the Off position. i.e Turn Dipswitch 2 ON on all but one of the connected units.

Using an Astral Pool Touchscreen to control a Connect LITE

The Connect LITE can be controlled by an AstralPool Touchscreen with or without a Viron Connect (Connect 10).
In either scenario, once an AstralPool Touchscreen is connected, an Internet Gateway can be connected to give you control from anywhere in the house, or around the world.

If a Touchscreen is connected into the system, then the Touchscreen will take over control of the system. i.e. Use the Touchscreens In-built Timers to control the system and control the Connect LITE's through the RJ12 cable. (The Connect LITE's are plugged directly into the mains power.)
The Touchscreen can control 2 Zones of lighting.
If one or more Connect Lite's are installed with a Connect 10, the Connect 10 System/Local switch should be set to SYSTEM.
 If you have more than 1 Connect Lite in the system and If 2 Zones of lighting are required, then Dipswitch 1 (See Figure 1) should be set to ON on the Connect Lite that is being used for Zone 2. (Dipswitch 1 OFF implies Zone 1)
If no Connect 10 is incorporated in the system, the Touchscreen should be set up as either 4 Channels (if a Viron, Eq or VX Chlorinator is included in the system) or 0 Channels if no chlorinator is included.
If a Viron, Eq or VX chlorinator is used, it should be set to "Timer Not Enabled", "G4 System Installed" etc and Channel 1 on the Touchscreen should be set to "Filter Pump". (Channels 2, 3 & 4 are then set to "Unused").
If a Connect 10 is included in the system, then installation is as per the Connect 10 instructions. The Connect LITE is plugged directly into the Mains and connected to the Connect 10 by RJ12 cables. (See also the information above regarding selection of Zones.)

Using Spa Electric LED Lights

Spa Electric LED lights can be controlled by this controller.
Ensure that the lights that are to be connected are within the power capabilities of this unit. (Refer to the data label on the top of the unit)
To enable correct colour control and Light colour synchronisation the following sequence is required to enable control of **Spa Electric Lights**.

1.   Turn the Power on at the mains, within 5 seconds of power up, press and hold the Set Up Switch.
2.   Within 5 seconds of pressing (and holding) the Set Up Switch, press the Colour button on the RF Remote Control 3 times. NB You need to wait 1 second between presses of the On/Off button.
3.   Release the Set Up Switch and the colour sequence will now be "Spa Electrics" pattern

If you are using a Viron or EQ Chlorinator to control the light timing, set the Light Type to "SLX" even if Spa Electric lights are being used.

To return the unit back to the default setting to control **AstralPool SLX lights** the following sequence is required

1.   Turn the Power on at the mains, within 5 seconds of power up, press and hold the Set Up Switch.
2.   Within 5 seconds of pressing (and holding) the Set Up Switch, press the Colour button on the RF Remote Control 1 times.
3.   Release the Set Up Switch and the colour sequence will now be "AstralPool SLX" pattern

MAINTENANCE OF YOUR LIGHT CONTROLLER

Maintenance Schedule: Your new product incorporates parts to with stand high velocity water with chemicals in it. Some of these parts will wear in the normal course of use and require regular checks and maintenance. Performing these checks and maintenance will identify parts that have worn and require repair/replacement before further serious damage is sustained. A small amount of regular care and attention to your pool equipment will help ensure long life and trouble free performance.

To protect against extremes of temperature, your unit is vented to allow expensive electronics to cool. Ants and some insects are often attracted to the warmer, dry environment inside the enclosure. We recommend that, with power turned off, you spray a surface insecticide on the surfaces surrounding the control to prevent ant and insect ingress. Repeat every three months or as necessary.

Timing	Maintenance Check	Service action (if required)
Three Monthly	**Check for insects/ants**	Spray a surface insecticide on the surfaces around the unit to prevent ant and insect ingress.

Important note: Regular maintenance is important to ensure long life and trouble free performance of your pool equipment. If unable to perform the maintenance yourself, contact your local AstralPool office who will arrange a trained service technician to perform the maintenance for you.

WARRANTY

AstralPool Australia Pty Ltd (ABN 97 007 284 504) ("AstralPool") provides the following warranty in relation to the SLX series underwater lights("Product").

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The benefits of this warranty are in addition to any rights and remedies imposed by Australian State and Federal legislation that cannot be excluded. Nothing in this warranty is to be interpreted as excluding, restricting or modifying any State or Federal legislation applicable to the supply of goods and services which cannot be excluded, restricted or modified.

WARRANTY

AstralPool warrants that, subject to the exclusions and limitations below, the Product will be free from defects in materials and workmanship during the warranty period. The warranty periods are set out below and commence 30 days after the date of purchase (to allow for installation). The warranty period may vary for different parts of the Product.

Parts	Warranty Period
Plastic moulded parts - Light, niche and other	5 years
SLX Lighting Transformer, Controllers and/or lamps	1 year

If a defect appears in the Product before the end of the warranty period and AstralPool finds the Product to be defective in materials or workmanship, AstralPool will, in its sole discretion, either:

(a)   replace or repair the Product or the defective part of the Product free of charge; or
(b)   Cause the Product or the defective part of the Product to be replaced or repaired by an Authorised AstralPool Service Agent free of charge.

AstralPool reserves the right to replace defective parts of the Product with parts and components of similar quality, grade and composition where an identical part or component is not available.

Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

WARRANTY CLAIMS

1. If a fault covered by warranty occurs, the customer must first contact AstralPool at the contact address listed below, or an Authorised AstralPool Service Agent.

2. Any warranty claim must be accompanied by:
   (a) proof of purchase;
   (b) full details of the alleged defect; and
   (c) appropriate documentation (such as historical and maintenance records).

3. The customer must make the Product available to AstralPool or its Authorised AstralPool Service Agent for inspection and testing. AstralPool or its Authorised AstralPool Service Agent will attend the premises where the Product is installed for inspection and testing. If the Product is installed:
   (a) outside a capital city metropolitan area; and
   (b) is not within a 20 km radius of an Authorised AstralPool Service Agent;
   then the customer may have to pay a travel fee.

4. If such inspection and testing finds no defect in the Product, the customer must pay AstralPool's usual costs of service work and testing. If such inspection and testing finds a defect that is not covered by this warranty, the customer must pay AstralPool's usual costs of service work plus any parts and labour required to repair the Product, unless recoverable from AstralPool on the failure of any statutory guarantee under the ACL.

Exclusions

The warranty will not apply where:
(a) the customer is in breach of the Terms and Conditions of Sale;
(b) the Product was used for a purpose other than one it was intended for;
(c) the Product was repaired, modified or altered by any person other than AstralPool;
(d) the Product has not been installed, maintained and/or operated in complete compliance with the installation and operating instructions and any instructions by AstralPool;
(e) the Product has been subject to accident, negligence, alteration, abuse or misuse.

The warranty does not extend to:
a) normal wear and tear;
b) weather and other environmental conditions including but not limited to storm, flood, and/or heat wave damage; or
c) service and maintenance items.

Examples of exclusions include but are not limited to:

- Operation of light out of water
- Use of non-AstralPool power supply

Commercial Installations

On commercial installations, such as health clubs, motels/hotels and hydrotherapy facilities, the warranty is limited to parts and in field labour (within capital city metropolitan areas or 20 km radius of Authorised AstralPool Service Agents) for a period of 12 months from the date of purchase plus 30 days to allow for installation.

LIMITATIONS

AstralPool makes no express warranties or representations other than set out in this warranty.

The repair or replacement of the Product or part of the Product is the absolute limit of AstralPool's liability under this express warranty.

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