

Light Symphony

Wireless Hand-held Remote Switches

Long-Range Wireless Remote Control



Features

- Simple 'Whole Garden On/Off'
- 1 - 29 Programmable 'Areas' or Scenes
- Dim Up / Down
- Colour change
- Lighting control
- Water feature control
- Light Show*
- 1000 Meter line-of-site range
- Rugged, splash-proof construction
- Standard 'AA' batteries

Part No. LS30050WRC

Description

The RF remote handset provides complete and simple control over an entire lighting scheme with a 1000 meter walk-about range. Its rugged case and splash-proof, easy clean, brushed aluminium effect keypad lends itself to outdoor life.

Factory set in 'single-digit' mode for convenient control of 'Areas' 1 to 9 or change to 'double-digit' entry-mode for control over extended 'Areas' 1 to 29. Any number of handsets can be used together. 16 'system-codes' are selectable to avoid interference with neighbouring systems.

The handset uses the very latest narrow-band FM radio technology to achieve a best-in-class wireless range.

The handset is also a commissioning tool, providing 'lid-on' programming of other Light Symphony components.

Specification

Range	-	1000 metre wireless range line-of-site
Keypad	-	IP44 (splash-proof), wipe clean Modes: Single-digit 1-9 or Double-digit 1-29
Enclosure	-	Tough, grey ABS
Size	-	135x70x25mm
RF	-	434.075MHz Narrow Band FM
Coding	-	Security channels 1-16
Battery	-	2 x AA
CE Compliance	-	EN220-300, EN 50081 – 1, To EN 50082 – 1

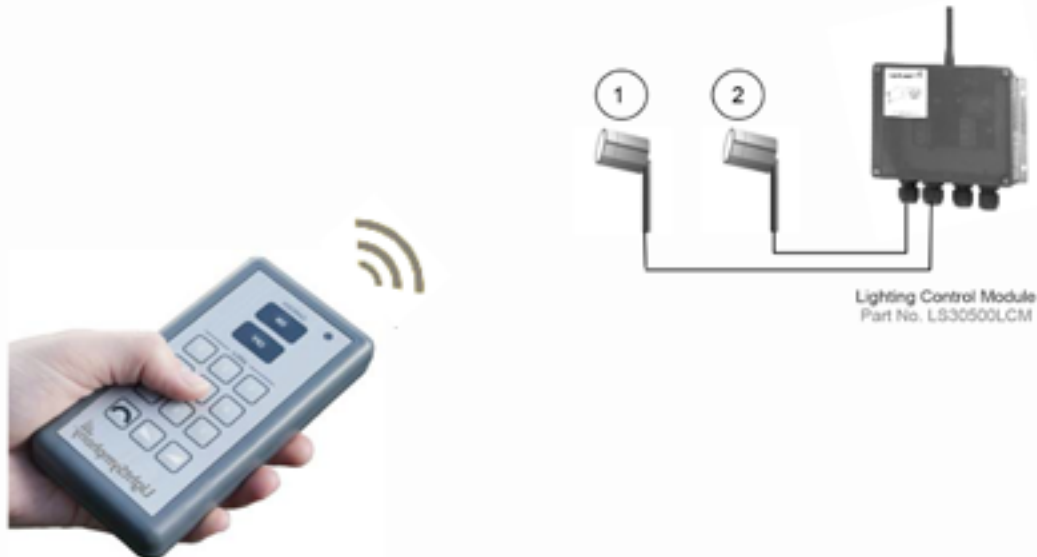
* Requires Base-Station



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Application Example



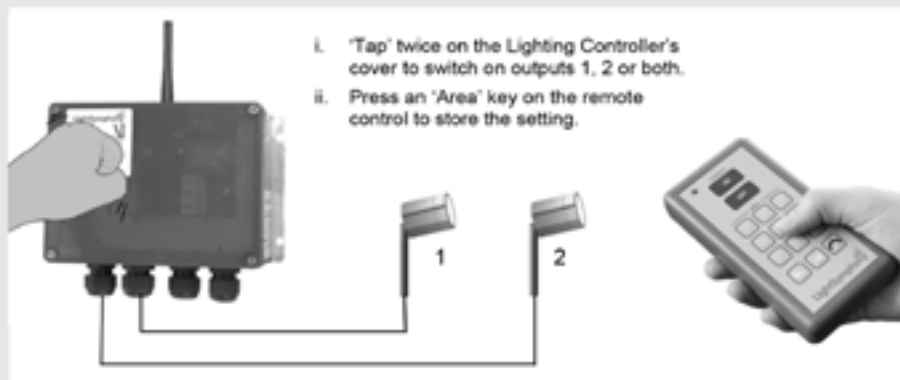
How it works

Using the master 'garden on/off' feature, all Lighting Control Module (LCM) outputs can be switched together. It also provides 'Area' buttons, which may be used in different ways, depending on the size of the project;

- SMALL : Individual control of 1- 29 lighting circuits, as shown above.
- MEDIUM : Control of up to 9 'Areas', where individual LCM output's are grouped together to create lighting 'zones'.
- LARGE : Scene control. Up to 9 complete lighting 'moods' may be stored and recalled

Programming

Using the remote as a programming tool, the Lighting Control Module, PIR and Wireless Wall Switch products can all be programmed without removing the cover! For example, the Lighting Control Module shown below is configured just by tapping the lid firmly and then pressing a key on the remote....



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'2-WAY' OR 'ON/OFF' SWITCHING

By default, the remote control transmits Area 'Toggle' commands. For example, when button 'Area 1' is operated, the remote will transmit 'Area 1 Toggle'. If Area 1's lighting is ON this will switch it OFF, but if Area 1 was OFF it will switch it ON. In this way the remote can work intuitively with wireless switch modules to create a 2-way switching system.

However, on larger installations, where lighting circuits may have been included in overlapping Areas this type of control may be less convenient.

For example Area 1 may have been designated 'All Tree Lights' and Area 2 as "Upper Garden", where the upper garden includes some tree lighting. In this case, if only the upper garden is ON then 'Changing' Area 1 could turn some tree lights on and others off.

The remote control's behaviour can be modified to transmit On and Off commands instead of 'Toggle' commands. This makes 2-way switching less convenient but prevents the unwanted behaviour outlined above.

ON/OFF MODE

To configure the remote to transmit 'ON/OFF' commands;

Press and hold buttons "1" and "3" together until a beep is heard.

'TOGGLE' (2-WAY) MODE

To configure the remote to transmit 'TOGGLE' commands;

Press and hold buttons "4" and "6" together until a beep is heard.

Note: The master 'Garden On/Off' buttons are not effected by the above, they will always send On/Off type commands.



Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

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Long-Range Remote-Control



SPECIFICATIONS

Battery	2 x AA
Frequency	434.075MHz
Range	1000 meters line-of-sight
Safety Rating	Extra Low Voltage
Physical	135 x 68 x 45mm / 0.15Kg
Ambient Temp.	0°C to +40°C

INTRODUCTION

The Light Symphony long-range remote control provides simple walk-about control over your garden lighting.

This manual provides a basic guide to its functions and assumes your lighting is now installed and fully working. For more detailed information on the setting up of the system please refer to the instructions provided with Light Symphony's other products.

Before using the remote control please ensure it is fitted with two good 'AA' size batteries. These are inserted by removing the slide cover on the rear of the unit. For best performance use long-life Alkaline or Lithium batteries.

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KEY FUNCTIONS

1. GARDEN ON / OFF

Press once to switch all the garden lighting on or off.

2. AREA (SCENE) ON / OFF

Press keys 1 to 9 once to toggle on an area/scene on/off.

(Pressing the same Area key more than 6 times will cause it to send Area ON / OFF commands instead of 'toggle' commands, which will re-synchronise receivers that may have missed a toggle command)

3. DIM UP / DIM DOWN

The Dim Up and Dim Down keys allow control over dimmable lighting only.
The dim keys will affect the group of lights last switched on.

i.e. To dim the whole garden, press GARDEN ON then press Dim DOWN.

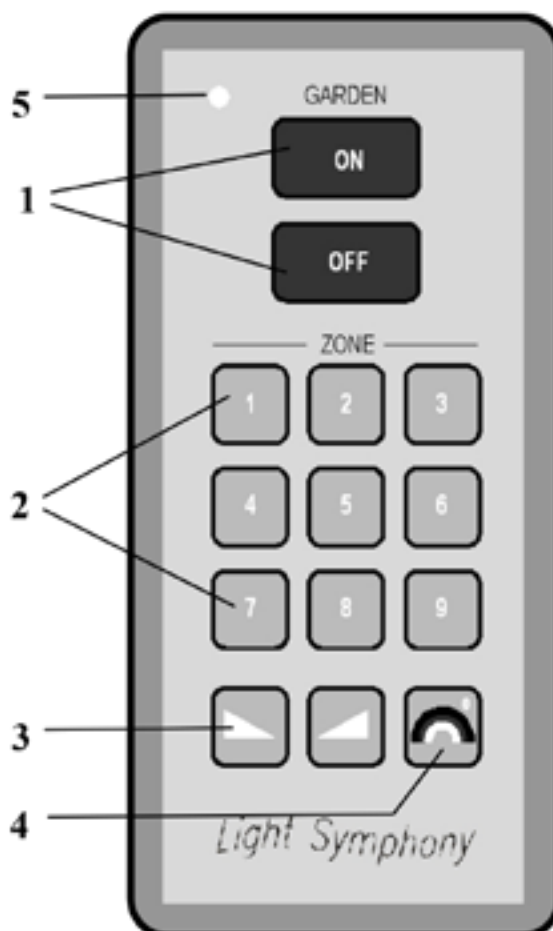
To dim only Area 1, press key 1 (to select area 1) then press Dim UP/DOWN.

4. COLOUR CONTROL (only possible where suitable lighting is installed)

To select a new colour, press the rainbow. The rainbow key will affect the last Area that was switched on. If the colour controller is running a light show, the rainbow key will stop the automated show and allow a static colour to be selected.

5. INDICATOR

The LED indicator shows the handset is transmitting. It will blink green when an ON command is sent and red when an OFF command is sent.



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'SYSTEM' CODE

Light Symphony use a 'System Code' to prevent interference with neighbouring systems. Lighting controllers will only respond if they have the same System Code as the remote control (or other transmitter). The remote control is factory set to System Code 1.

To select a new System Code (from 1 to 32), use a paper-clip or small screw driver to press and hold the set-up button on the back of the remote control until the LED turns RED (approx. 5 secs). Next, enter the new system code (1-32) using the keypad.

Afterwards, the LED will blink the code back to confirm the value that's been stored. e.g. 4 flashes confirms System Code = 4.

The remote's System Code is automatically adopted by other Light Symphony products during commissioning. For example the Lighting Controller or PIR will adopt the remote's system code when any new Area/Zone is programmed.

NOTE: When commissioning a new system always set the Remote's System Code first. This ensures other devices have a chance to learn the code during commissioning.

To see check the remote's system code, press the Set-up button briefly and count the number of times the LED flashes.

ADVANCED FUNCTION - CONTROLLING AREA's 1-29

For larger systems, the remote control may be changed to allow control of Areas 1-29. In this mode, Area's are selected with 2-digit button entry; e.g. for Area 8, press buttons "0" and then "8" ("Rainbow" button is zero).

To change the remote into 2-digit mode, press and hold buttons "2" and "9" together until a beep is heard.

To change the remote control from 2-digit mode back to single-digit mode press buttons "0" and "1" together until a beep is heard.

Having more than 9 Areas can be confusing in everyday use. Therefore, it is recommended that the first 9 Area's are reserved for everyday control. The extended Area codes (10-29) can be useful for creating separately controlled Areas triggered by PIR motion sensors, timers or the gate-interface etc. In this case, use the remote control in 2-digit mode to configure the system but leave it in single-digit mode to simplify operation for the end-user.