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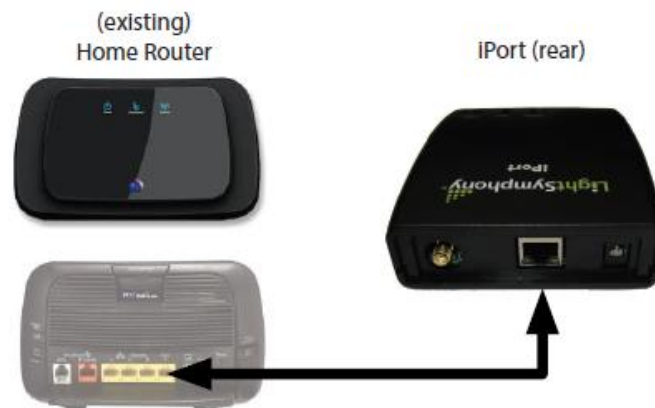Fax: 0844 504 9230

Creating a Scene Outdoors

Network Interface Protocol

The Light Symphony 'iPort' can be used to create a simple (one-way) interface between a home automation system or custom App and Light Symphony's long range wireless system. The iPort connects to the network router (or switch) and can be set with a fixed IP address.

The iPort creates a 'listening' UDP socket at it's IP address on port 10001. (Discovery port 30718, Cloud Port 9001)

Any network enabled device (app or other control system) can open a socket and send one of the following plain text messages;

all_on	Whole garden ON
all_off	Whole garden OFF
area_on x	Switch ON an 'area', zone or scene, depending on what was stored in the receiver
area_off x	Switch ON an 'area', zone or scene, depending on what was stored in the receiver
inten_x_d	'x' = zone number, output intensity (dim level) 'd' = intensity 1-10
start-show	Start the Light Show running (for colour LEDs)
stop_show	Stop the Light Show running
colour_x_c	'x' = zone number, 'c' = colour code 1-16

NOTES:
1. Ensure all messages are terminated with '\r\n' character
2. 'x' is the Zone number (1-29) without preceding '0'
3. 'd' is the intensity (dim) level min '1'= 10% to max '10' = 100%

Example :   Zone 2 ON   "area_on 2\r\n" (note the 'space' character before the '2')

Many devices can be interfaced through one iPort device provided the socket is not kept 'open'. The client device should open the port, send a command and then closes the port immediately.