

## Case Study: Barnet, London

### Project

Control of extensive lighting & fountain in 6 acre rear garden.

### Control

Client wanted simple 'zoned' control of all lighting.

### Lighting

Hunza low-voltage path and up lights, and Metal Halide tree lighting.

### Existing

Established garden with single power cable installed each side of the garden.

### Installer

The Electric Light Company, Surrey.



## Light Symphony Solution

The garden was supplied with power from both sides via existing buried cables, shown below in black. A wireless Base-Station (A) was installed in the garage to provide a dusk-to-dawn clock with 6 separate timers. Its 1Km range provided good wireless coverage over the entire 6-acre site.

11 Lighting Control Modules (B) were installed discretely around the garden, to control a wide variety of light sources and a 30ft (500Watt) pond fountain. The controllers shared a permanent live supply, which looped through each unit, shown below in red. This allowed lower-cost, 3-core cable to be used throughout while the wireless system provided individual control over each lighting circuit.

Six of the large trees were up-lit using metal halide discharge lamps, which provided good light quality and low running cost. The several covered paths were softly lit with low-voltage miniature mushroom down lighters. The covered pergola was sympathetically lit with hanging low-voltage Hunza down-lighters.

A total of 2700 Watts of lighting was installed using 750 metres of 3-core (4mm<sup>2</sup>) armoured cable.

Light Symphony's individual wireless control over each circuit allowed user-friendly zones to be created, such as "Tree Lighting". The garden was already established, so making use of the existing power cables saved considerable disruption and cost. The permanent supply allows new controllable circuits to be added in the future.

The client plans to light the front garden in the future, which will wirelessly integrate into the existing system.





Rear Garden



Rear View from Pool



View From Lake



Lake and Fountain



Hidden Path (lights to right)



Pergola



Lighting Control Module for path lights



Lighting Control Module & tree up-lighter