



Private
Home

Project Overview

Luxury residence, Wiltshire, UK

“Seamless and simple control requires smart technology and hard work behind the scenes.”

— Mark Reynolds, TwentyTwo Integration

Introduction

This newly built 15,000 square foot luxury property, situated on a 53-acre country estate, incorporates formal reception rooms, 9 bedrooms, a kitchen, cinema, indoor swimming pool, and an underground garage, as well as extensive gardens.

The client was eager to use a Lutron lighting control solution, having previously used Lutron at another property in the United States.





HomeWorks QS enables precise and flexible outdoor lighting control.

The Challenge

The client wanted unified control of both interior and exterior lighting, as well as automated blinds, and seamless integration with HVAC and security systems. The solution needed to be robust, simple to use, and aesthetically complement the modern, clean interior of this high-end property.

Although this was a large home, there was limited plant areas (utility space) outside of the basement. In addition, the client had extensive formal gardens that needed to be lit.

The Solution

HomeWorks QS was the ideal solution for this home, as was specified by home technology specialists TwentyTwo Integration.

Designed for exclusive homes, HomeWorks QS delivers artificial and natural light control, as well integrates with third-party systems for features such as temperature, audio, and security control.

This installation incorporates 350 circuits with lighting control via a mixture of dimming technology, including DALI, DMX, phase-control, and 0-10V.

To minimise cable runs due to the limited plant area, TwentyTwo Integration strategically housed dimming panels in voids behind joinery and loft spaces. The flexibility in Lutron wiring and panel sizes are what made this tactic possible.

The Solution, continued

Palladiom keypads, with their clean lines and minimalist style, were the perfect choice for using throughout the home. (The exception: back of the house areas, such as the garage, use European seeTouch keypads with white glass faceplates.) Palladiom also met the client’s request for keypads with larger buttons, so that he could easily see what he was pressing.

Fifty-three of the home’s rooms have Palladiom keypads for controlling light and blind levels at the touch of a button.

The client also wanted simple temperature control, as opposed to touchpads, in his home. The elegant Palladiom thermostat met that request. Designed to perfectly match Palladiom keypads, with the same sleek, low-profile appearance and finish, Palladiom thermostats were installed in 16 of the home’s rooms.

Lutron Sivoia QS roller blinds were chosen to provide natural light control throughout the residence. The bedrooms feature blackout blinds with fabric from Lutron’s Atelier Collection, while sheers manufactured with third-party fabric adorn the family room.

Turning to the residence’s exterior, HomeWorks QS enables precise and flexible control of outdoor lighting in the property’s extensive gardens.

In order to avoid running an excessive amount of 230V cable for the lighting in the formal gardens, TwentyTwo Integration specified DALI. For easy maintenance, DALI drivers were placed in sunken waterproof enclosures with 24V outputs to the light fittings.

The outdoor lighting, designed by Light House Designs, is controlled by the astronomic timeclock that tracks sunrise and sunset. The lighting is divided into zones, including two terraces and a barbecue area, that can each be also manually controlled.

In addition, HomeWorks QS has been integrated with the home security system, to switch security lighting on and off and turn on interior lights in the event of an alarm.



Palladiom keypads, with their clean lines, and large buttons, are used in over 50 rooms throughout the home.

“Residential clients want lighting control to be seamless and simple, which requires smart technology and hard work behind the scenes. In this case, the Lutron system works really, really well and it’s very easy to use, so the client is delighted with the result.”

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Blinds are controlled from the same keypads as lights, so artificial and natural light can be easily balanced.





Lutron wireless systems are seamless and simple solutions for luxury residences.

Results

The homeowners said, “We wanted to use Lutron inside our UK property because we were already very happy with our experience with their products in the U.S., and we knew they are a reliable and global brand. We are also very happy with our experience with TwentyTwo Integration; they have been a knowledgeable and service-minded partner throughout the whole planning and installation period, with a great care for details.”

Martin Preston of Lutron remarked, “We’re so proud of this project, because it shows the very best of what Lutron can do in luxury residences. Even in a home of this size, the HomeWorks QS system controls everything seamlessly — interior and exterior lights to blinds, HVAC and security, and integrating subtly with the modern architecture.”

And Mark Reynolds of TwentyTwo Integration summed things up: “Residential clients want lighting control to be seamless and simple, which requires smart technology and hard work behind the scenes. In this case, the Lutron system works really, really well and it’s very easy to use, so the client is delighted with the result.”



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Installer

TwentyTwo Integration

Landscape Lighting

Light House Designs

Provider

Lutron Electronics

Solution

HomeWorks QS, Sivoia QS

Photos

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