

# 16th Century Cottage

Surrey, England



*“As with any Grade II listed building, any changes or additions have to be beneficial not detrimental to the architecture. When we saw the RF potential of Lutron’s HomeWorks® QS solution, we knew that it would be possible to introduce full home light and blind control into this unique property with minimal disturbance.”*

**Max von Barnholt, Design Director of VBK Lighting Consultants Ltd.**

## Background:

Built at the time when Sir Francis Drake was still sailing the world, the owners of this Grade-II listed, seven-bedroomed, timber framed cottage wanted to retain all the charm of their family home, yet bring the building’s lighting technology into the 21st Century. The limitations of the cottage in the form of wattle and daub walls, surface mounted wires, floorboards straight onto soil and complex layout meant that a wired-in light control solution was not an option.

## The challenge:

The property was originally built as a 16th Century Hall House. It was split into two cottages and subsequently re-joined together with four staircases. A separate barn conversion was added, that is now the owner’s office. The initial brief was to eradicate all surface mounted wiring, reduce the number of light switches, automate all of the interior and exterior lighting and include remote iPhone and iPad control\*.



Robust, wireless Clear Connect™ Radio Frequency (RF) technology ensures Lutron's HomeWorks QS system can be installed with no disturbance to the fabric of the building



On-site access has been made possible through Lutron's Home Control+ iPad™ and iPhone™ app\*



Energy savings have also been achieved thanks to the HomeWorks QS astronomical timeclock, vacation mode and conditional logic programming features

## The solution:

To link all of the areas of the property with minimum wiring, VBK Lighting chose to use Lutron's HomeWorks® QS solution. A processor was situated on the ground floor of the cottage and another on the second. The ground floor processor was wired to one repeater and the other three Lutron repeaters were connected wirelessly throughout the cottage and the barn conversion. By linking the processors wirelessly on the home network and using wireless access points, there was no damage to walls or need for Cat5 cabling runs.

Eleven Lutron GRAFIK Eye® QS wireless keypads were then connected throughout the cottage and barn, creating eleven different control points from which to wirelessly manage the 66 circuits. In addition, a range of Lutron's seeTouch® and seeTouch International wired keypads and Lutron's wireless Pico® remote controls were used throughout, to enable a wide range of pre-programmed scenes to be accessed. By using multiple HomeWorks QS processors, wireless repeaters and wireless keypads where necessary, the wiring within the cottage and barn was kept to a minimum.

## The results:

Lutron's HomeWorks QS goes beyond the scope of light and blind control by adding control of temperature and audio/visual components and brings powerful features to users and installers alike. It includes expanded control functionality, wireless state-of-the-art technology to operate Lutron Radio Powr Savr™ occupancy/vacancy sensors and window coverings via Lutron's latest robust, wireless Clear Connect™ Radio Frequency (RF) technology and the ability to dim high-efficacy lights sources, such as LED and fluorescent, with ultimate confidence.

Max von Barnholt of VBK Lighting Consultants Ltd concludes: "The end result is stunning. The lighting within this 16th Century Grade II cottage has been brought into 21st Century thanks to the versatility and wireless capabilities of Lutron's HomeWorks QS whole-home system. From the remote controlled lighting in the cottage's conservatory, to the wirelessly controlled blinds in the barn conversion, everything has been integrated, giving the user ultimate control of moods and light levels wherever they are."

<b>Client:</b>	Owners of 16th Century Cottage, Surrey
<b>Lighting Project:</b>	VBK Lighting Consultants Ltd
<b>Photography:</b>	Lutron
<b>Lutron Products:</b>	Lutron's HomeWorks QS whole-home light control solution

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