

# Case & Point

» RESIDENTIAL REFURBISHMENT

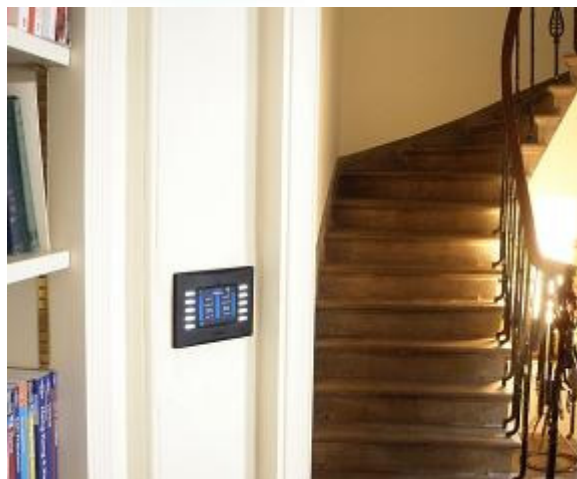


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INTEGRATED TECHNOLOGY

## Overview

- » 3 Storey Georgian Townhouse renovation
- » Busy professional couple looking to simplify home life
- » Intelligent lighting control
- » Dedicated home cinema room
- » Crestron AV & KNX home automation
- » Incorporating clients existing equipment with a new platform



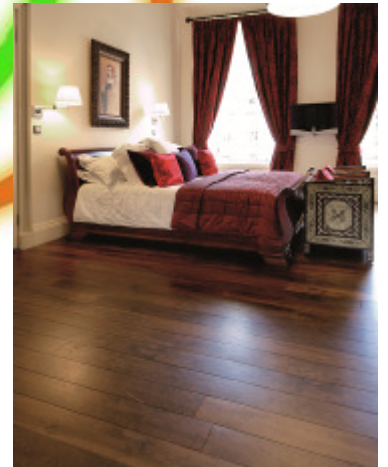
## Challenge

The clients came to HTI when they realised that the full renovation of their home gave them the opportunity of installing the latest in home technology.

The installation had to be discreet to maintain the property's Georgian charm whilst still providing a high end AV system, security and comfort.

The client specifically stipulated that:

1. The lighting and AV control would be simple and easy to use, with no need for instruction of how to use.
2. The lighting and audio visual sources would be controlled from a single, easily accessible point in each room.
3. Entry door cameras would be accessible from anywhere in the house and the ability to allow access from that point.
4. The lighting control system would maximise energy efficiency and reduce running costs.





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## Deliverables

In order to ensure that the introduction of new technology would not disturb the design aesthetics of this wonderful Georgian townhouse, HTI had to sit down early with the client to come up with a solution that would be subtle as well as special.

### Simple yet intelligent control

Simplicity was at the top of the clients agenda and in order to make the technology easily accessible, control of televisions, audio and lighting were via a single elegant and intuitive Crestron touch screen in each room. Each touch screen had a graphical user interface (GUI) which uses simple images to label each function. The result is an exceptionally high quality AV system with its control having minimal visual impact

### Secret Cinema

The dedicated cinema room offers a high-tech sanctuary where the couple can relax. However, most of the devices for the high definition 5.1 surround sound cinema are hidden away until the client requires. Integration of systems meant that at the touch of a button the lights dim, the projector turns on and the screen slowly descends for a truly remarkable cinema experience. The speakers were built into a bespoke TV wall with the subwoofer being built into the window recess to maximise space and ensure the aesthetics were kept.

### Setting the mood

The centralised lighting control allows preset scenes to be selected in each room meaning lights will dim to suit a particular occasion by pressing one button. The centralised system also has the advantage of allowing a 'global off' function which switches off all the lights in the house when the client leaves or retires to bed. The lighting control formed the back bone of the energy efficiencies. It takes 4 times as much power to illuminate a bulb from 90% to 100% brightness than from 80% to 90%, and as the human eye cannot detect this, HTI limited the brightness levels wherever possible. Through the KNX lighting control system it has been found that the energy savings of up to 60% can be made.

### Right Place at the right time

HTI recognised areas in the room where there would be high traffic levels and from this they could work out the optimum place for the touch screens and switches to be installed. This ensured that all the controls were easily accessible.

### Music not just inside.....

The client wanted to be able to listen to music on the patio. HTI installed outdoor speakers controlled via the kitchen that opened out into the garden. These were specialist all weather speakers which are capable of withstanding the worst of the Scottish weather.

### Tightened Security

A distributed video door entry system was integrated such that any visitor could be viewed from any of the in-wall Crestron touch panels. Essentially the client could answer the door from any room in the house, safe in the knowledge of who is at the door. This was achieved through pre-written Crestron modules that allowed added compatibility between two systems. Security is enhanced when the client is away as the lighting control can be manipulated to simulate occupancy.

Your Space. Your Way.

Edinburgh (Head Office)

Murrayburgh House

17 Corstorphine Road

Edinburgh

EH12 6DD

Tel: 0131 510 1250

Fax: 0131 337 4998

[www.hometechintegration.com](http://www.hometechintegration.com)