

The client required a modern AV system to be installed within their newly refurbished 7 bedroomed house in Edinburgh, Scotland.

With adaptation in mind we provided a system which enabled the client ease of use with an equipment rack that was accessible to the owner. High definition TV was distributed to four main rooms and terrestrial TV to a further eight. The clients movie server was installed enabling family members to watch films on the cinema setup in the lounge. Audio was provided in six different rooms enabling access to music from iPods and radio stations.

This project was delivered on time, within budget and to an exact specification which included controlled curtains and blinds within the master bedroom and easy controlled by iPads.

About the project

- Crestron control system
- Handheld touchscreen remote
- Crestron iPad app
- Custom graphical user interface
- Crestron Digital Media HD TV distribution
- Home cinema 5.1 setup
- Further 6 rooms of distributed audio
- Fully controllable DAB radio
- Media server for instant access to movies
- Controllable iPod dock
- Controlled electric blinds and curtains
- Wired network with wi-fi coverage
- Engineer remote access for easy maintenance





Control System

Crestron was used to control this family home through customised touchpanels and user interfaces. One of the family had limited mobility therefore a custom graphical interface was designed with large easy to press buttons. The family had several iPads so we installed a Crestron iPad app for convenience. The iPads were carried around the house, therefore the system was programmed to allow the user to change the room they wished to control.

Audio Visual System

The customer had many sources that required distribution to multiple televisions around the house. Crestron's Digital Media was chosen to deliver the two virgin boxes, Apple TV, Western Digital Live and media PC to four televisions. Audio was distributed to six rooms via a Crestron multi-room amplifier and audio speakers. Crestron cameo wall keypads in each room made it easy to select the desired source to listen to and adjust the volume. A Crestron iPod dock or DAB radio allowed the customer to browse and select music or radio station from the iPad app.

Home Cinema

The customer a keen movie watcher, benefitted from a 5.1 surround sound setup installed in the lounge. Picture came from a 55" Samsung LED 1080p television and the audio was delivered by five floorstanding or bookshelf Bowers and Wilkins speakers. An Onkyo AV receiver was able to handle the latest HD audio formats giving an immersive listening experience.

Communication

At the heart of the system was a secure wired network with data sockets for telephone or varied computer products. Wi-fi coverage throughout the house was possible by systematically placed wireless access points, enabling phones, laptops or iPads access to the internet. All AV equipment within the rack required access to the internet for streaming content or communication to other equipment within the house. This was capable by a enterprise grade network switch providing high speed data transfer between devices.

Bespoke Items

Motorised blinds and curtains were fitted to one of the bedrooms, these were easily operated from a dedicated Cameo keypad. While in bed these were also able to be opened or closed from a hand held Crestron remote or iPad.