



Whole House Audio Video & Control Multi-room AV, Home cinema & Lighting control

Project location: Kent

Client info: Property developer / Homeowner

Project brief:

We were introduced to the home owner by the property developer who was a long-standing customer. We were asked to design an entertainment system that would complement an impressive new luxury property in a desirable area of Kent. The owners were very discerning but were new to distributed entertainment systems and to the idea of a smart home so part of our task was to support them in making the right decisions. We worked closely with them and with the builder, electrician & interior designer to collaboratively create the perfect solution.

Solution Overview

The property specification led to the clients choosing a mid to high-end level system. The Elan g! smart home & home entertainment solution offered the perfect blend of sophistication within budget so was chosen as the backbone of the system which covers the main living rooms and the bedrooms including the master suite.

Extensive smart lighting control was achieved across 120 circuits using Rako with centralised RAK4 dimmer packs. A network was included with a good quality router and WiFi distributed across the property with high quality WiFi Access Points.

There is a dedicated home cinema as well as two additional cinema systems in other areas of the house.





The lowdown

The system covers the main hallway, drawing room, orangery, snug, formal dining rooms, kitchen, gym, study, the master suite as well as bedrooms 2 & 3. Each of these rooms has a pair or more of ceiling speakers offering background music that the entire family can enjoy. There is even a 'party' mode so that all rooms can play the same music to really make the party pop!

Full HD video is available from up to eight HD sources in the family room, the drawing room, cinema, snug, gym, master bedroom as well as the master suite & bedrooms 2 & 3.

The cinema is built around an Epson TW9200 with Sonance speakers and a fixed 3m wide projection screen. Cinema seats on raised staging and integrated smart lighting complete a true cinema experience.

WiFi is shared across the property from a commercial grade Draytek router via several Ruckus WiFi Access Points. This allows fast data access, audio & video streaming and data roaming around the property without drop-outs.

Control of the system is achieved in a number of intuitive ways including 7" on-wall touch-screens that provide visual information and control through a superb interface that our programmer has tailored to this solution. This same interface is replicated in several rooms on iPads that are magnetically held to the wall so that they can be removed and used as handheld controllers or as normal iPads.