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Best Integrated Home
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Best Home Cinema
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Dream Home, London



A superb dream home
in St John's Wood, London



A luxury hotel developer and interior designer trusted Cyberhomes to help them create their outstanding dream home in London.

The couple had ambitions to create a stunning family home in their 7-bedroom luxury development in St John's Wood.

They brought Cyberhomes in at the planning stage to advise on the smart technology that would take their house to the next level—and to seamlessly integrate the very best home automation into their design.

The aesthetics and finish in the completed development are second to none. And thanks to their partnership with

Cyberhomes, the family also has superior AV capabilities, outstanding security and lighting, and an elegant cinema room.



The traditional facade conceals a high-tech home within.

"The installation was extremely smooth. Cyberhomes were very hands-on, and available 24/7 during the process—and beyond. They worked hard to overcome any issues along the way."

Homeowner, London



Stunning bespoke lighting features throughout the property.

AV

The home's polished marble floors and glass walls exude sophistication. They also presented some acoustic challenges for our sound engineers to overcome.



We installed high-performance, in-ceiling James loudspeakers and subs in nearly every room, which allowed us to

fine-tune audio performance using a spectrum analyser.

The living-room also benefits from Meridian DSP7200SE active speakers linked to a Tidal Masters account, producing flawless sound quality when the family listen to their favourite music.

The home's 17 TVs are all connected to a Zektor 4K video matrix, each with comprehensive digital signal processing adjustments. This enabled us to create perfect lip-sync between each TV and the external speakers in the room, which enhances the viewing experience.



Premium Meridian active speakers provide outstanding audio performance

We made the AV system a joy to use. The family can choose what to watch or listen to with a tap of the Control4 app on a smartphone or tablet, or turn to pre-programmed settings via the wall-mounted Control4 touchscreens in most rooms. The soothing sounds of Classic FM, for instance, play when they press the 'Audio' button on the wallplates in the hallways and study.

But the installation's aims weren't only technological; the system also had to support the integrity of the design. A prime example can be found in the bedrooms. Here, we used Nexus21 motorised mounts to make the TVs automatically disappear into bespoke cabinets when turned off.



The TVs in the bedrooms sit on motorised lifts, so they can rotate to face the bed or seating area, and hide away when not in use.





The beautiful cinema room has 4K visuals and premium audio: ideal for movies, concerts and gaming.

Cinema

The cinema room also created some conundrums for the Cyberhomes team.

The owners wanted to preserve the double doors between the cinema and the hallway, which restricted how much wall space would be available for the screen. At the same time, the shape and size of the room, and the beautiful bespoke ceiling fixture, meant our sound engineers would have to be creative.

Innovative speaker selection, positioning and configuration means the family can experience ultimate Dolby® Atmos® 7.1.4 cinematic surround sound. And by hiding the speakers and acoustic treatment behind pleated, stretched-fabric walls, the cinema room appears equipment-free when not in use. The projector disappears

into the ceiling, and even the screen is invisible, thanks to full side-masking.

We worked with Screen Research to create a bespoke cinema screen, as the room's configuration was beyond the capabilities of anything on the market. And we ensured stunning depth of colour with an optical-fibre connection between the projector and 4K movie server.

A second optical connection allows a games console to be plugged into the cinema room and fed back to the video matrix. The result is large-screen gaming with full 4K resolution, high-frame rate support and Dolby Atmos surround sound—an ultimate gaming experience that the couple's children love sharing with friends.

Despite the complexity of the technology, operating the cinema couldn't be simpler.

One touch of the 'Movie' button on the wallplate lowers the projector from the ceiling; opens the screen's side-masking; turns on the Kaleidescape player; and selects the right lighting, audio and video inputs. All that's left to do is choose which movie to watch via Control4 or the remote control.



Lighting

The homeowners have used lighting to set off their home magnificently. We provided a Lutron Homeworks QS lighting control system with over 130 circuits.

Each room has several pre-programmed lighting scenes, which can be turned on from the room's remote or wallplate, or with a tap of the Control4 app or touchscreens.

We fitted motion detectors to automate the lighting in all the bathrooms.

Motorised blinds activated by dedicated

engraved wallplate buttons further enhance the atmospheric lighting.

The blinds are also linked to an astronomical clock, so that they close at certain times of the day. This protects the couple's valuable works of art from sunlight damage.

In the event of a power failure, a diesel generator restores emergency lighting in the master bedroom, hallways and stairwell.



The master bedroom suite has discreet in-ceiling speakers, and a TV hidden in the bespoke 'seat' at the foot of the bed.



Control4 user interface is also available on each of the home's TVs.



Lutron lighting allows easy selection of different moods, from casual dining to a more formal ambiance.

Security

The house is protected by a Texecom Intruder alarm and fire detection system. This is integrated into the automation system, so that it can be quickly and easily armed and disarmed. The property's perimeter can be armed separately from the house.

Entry to the grounds is via automated sliding gates complete with intercom, which can be opened from the home's touchscreens and family's mobile devices. It is monitored by a network of 11 Visualint CCTV cameras, whose footage is constantly recorded on a network video recorder.

This arrangement enables 24-hour monitoring and status notifications. If the perimeter alarm is armed and motion is detected, the system emails snapshot images of the disturbance to the homeowners.

Any power failure sends the house into emergency mode. The generator powers the CCTV system and Wi-Fi network, and the rack room is safely shut down by uninterruptible power supplies.



All equipment is installed in dedicated AV racks in the plant room, minimising the technology's impact on the home's interior design



Bedroom TVs can be rotated to face either the bed or the room's seating area.

"I would highly recommend Cyberhomes. They're dedicated, honest, professional, knowledgeable, efficient—and very good value for money."

Homeowner, London

Rack room

Such extensive home technology requires a very large rack installation.

Two system processors share the workload. One handles the AV and touchscreen interfaces; the other processes everything else. A spare processor is programmed ready to effect a 'hot swap' if one of the main units fails.

We designed the racks so that natural convection controls the amount of heat generated. A dedicated air-conditioning system then removes all heat from the plant room. In addition, the rack room's temperature is remotely monitored by Cyberhomes.

Our innovative design makes the racks easy to maintain, despite the complex technology involved.



Control4 touch screens in every room provide quick access to all the home's technology.

Project partners

- + Wolff Architects (Architect)
- + Woodcroft (Building Contractor)
- + Ace Contracts (Blinds)
- + Morris Electrical (Electrical contractor)
- + Co-ordinated (Intruder and fire alarm)
- + Aqua-clim (Heating and air conditioning)
- + Desmond and Sons (Acoustic fabrics)

Installed Systems

- Automation and control: Control4 with 16 wall-mounted touchscreens and 18 SR-260 remotes; 2 x Control4 EA-5 processors
- Lighting control: Lutron Homeworks QS with 57 custom-engraved wallplates; 69 x Lutron motorised blinds; 6 x occupancy sensors
- Multi-room AV: 16 x Sony TVs (LED and OLED); Aquavision waterproof TV; 4 x Sky Q satellite receivers; 4 x Apple TV 4K, 3 x Kaleidescape Strato 4K movie players; Zektor Palladia 16x16x32 4K video matrix; 46 x James in-ceiling speakers; 4 x James marine-grade outdoor speakers; 5 x James M1000 amplifiers; 5 x James in-ceiling subwoofers; 1 x James soundbar; Autonomic music server; 2 x Meridian 218 zone controllers; Meridian 7200SE active DSP speakers; Meridian 7200.2 active DSP speakers; 4 x Amina 'plaster over' speakers; 18 x Control4 EA-3 processors; 4 x Nexus21 motorised TV lifts
- Home cinema room: Sony VPL-VW550ES 4K projector; Screen Research bespoke 103" screen with motorised top masking and full closure; Kaleidescape Terra movie server; AudioControl Maestro M9 AV processor; BGW VXi 12-channel amplifier; 3 x Triad in-wall Gold LCR speakers; 8 x Triad in-wall/in-ceiling SILVER speakers; 2 x Triad InRoom GOLD subwoofers; 2 x Triad in-wall BRONZE subwoofers; 7 x Fortress bespoke cinema seats; Future Automation projector lift
- Network: 12 x Ruckus R500 managed Wi-Fi access points; 2 x Ruckus T300 managed outdoor Wi-Fi access points; 3 x Packedge network switches; 2 x Ubiquiti network switches; Domotz network monitor; Gradwell VoIP; 100 mbps leased line; Draytek 2860 router; 43 x data points
- Security: 11 x VisualInt CCTV cameras; VisualInt NVR; Texecom intruder alarm with 85 zones; Control4 DS2 door station
- Climate control: Heatmiser with 36 zones; North Commander air conditioning control with 22 zones