



Movie magic, Oxfordshire

Major upgrade of a media room to an Art Deco inspired home cinema

As part of the significant upgrade to the AV capabilities being undertaken by the new owner of this Oxfordshire manor house, Cyberhomes were asked to also renovate the media room.

The existing media room had a TV and a basic Bose surround sound system; and the homeowner was keen to convert this into a fully-fledged home cinema room. He knew he wanted the visuals to be 4K capable

but wasn't fully up to speed with the latest cinema audio available.

The biggest challenge (other than the exceedingly tight timescale) was the layout of the existing room. One side of the room

has two windows whereas the other has three and there are a pair of double doors at the front of the room. In order to achieve an aesthetically-pleasing symmetrical layout we cleverly designed a simulated window (complete with artificial daylight lighting, curtains and motorised blinds) to give the effect of three windows on either side of the room.

We designed and built a framework within

the room that housed the projection screen and front speakers and accommodated the doors. Faux columns were then constructed between the windows to discreetly house the surround speakers.

Projection

To optimise picture quality, we sourced a Sony VPL-VW760ES projector capable of presenting 4K Ultra HD visuals onto a 3 m



A simulated middle window, complete with simulated daylight, motorised blinds and acoustic curtains ensure the room looks balanced



Six carefully-constructed bespoke columns around the room discreetly house the surround and rear speakers



Vescom curtain fabrics absorb sound reflections whilst still allowing light to pass through.

wide Screen Research screen. With the source equipment located in a rack outside of the room (to eliminate background noise), a fibre-optic HDMI linked the video matrix to the projector.

Full ISF calibration of the projector was undertaken to ensure optimum brightness, colour accuracy and contrast.

The cinema room has access to a suite of 4K-capable video sources: Sky Q satellite TV, Apple TV for streaming films and TV content and an UltraHD Blu-ray disc player.



Cyberhomes constructed an Art Deco styled bar at the back of the room for in-movie drinks and popcorn.

Audio and Acoustics

To make sure the room had the right acoustic performance, the purpose-built baffle wall at the front allowed us to incorporate extensive acoustic treatment behind the wall. The acoustically-transparent screen permitted the front left, centre and right speakers to be installed in the perfect position behind the screen. For the windows we used acoustic curtains from Vescom that absorb sound whilst still allowing light to pass through them (ideal for when the room is being used as a general socialising/entertaining space in daylight).

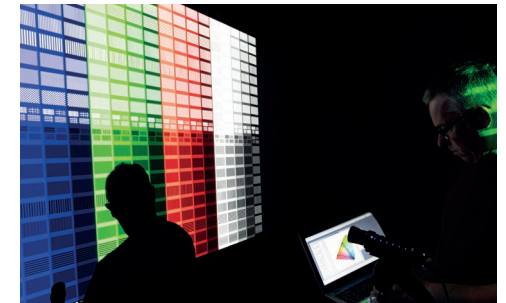
We specified a Dolby® Atmos® 9.1.2 surround sound installation using an Anthem AVM 60 processor paired with Anthem MCA and AVM amplifiers. These are driving the array of eleven Triad Silver InWall and InCeiling speakers.

Four subwoofers were installed, two Triad OnWall Silver Subs at the front and a further two at the rear of the room.

Easy Control and Automation

A Savant Pro control system was installed which integrates control of the AV, lighting, heating and security. Our lighting designer specified three lighting methodologies; downlights, wall lights and LED striplights around the windows. The Lutron lighting control was also added to new motorised blackout blinds behind the curtains to allow films to be watched during the day.

A Lutron wallplate with custom-engraved buttons allows easy selection of the right



The projector was ISF calibrated for optimum picture quality.

lighting scene for uses such as 'music' or 'film' and Savant automatically powers up and selects the correct AV components. Pressing 'Play' when starting a movie will automatically dim the lights and close the blinds.



Whole House Upgrade

In addition to the cinema room Cyberhomes also installed a Ruckus managed Wi-Fi system to ensure there was good internet coverage throughout the home. We also connected Sky Q miniboxes to two new wall-mounted Sony televisions via the improved home network.



Project partners

+ Morris Electrical (Electrician)



Dedicated AV rack located outside the cinema rooms ensures equipment noise can't be heard

"Cyberhomes were excellent. They completed the job on time, with a very professional finish and great design touches. They were flexible and accommodating. I would definitely recommend them and will use them for any future projects."

Homeowner, Oxfordshire

Installed Systems

- 📺 Visual: Sony VPL-VW760ESS 4K; RuiPro fibre-optic HDMI; 3m 16:9 Screen Research Supreme 3 ClearPix screen
- Audio: Anthem AVM 60 processor; Anthem MCA 325 and Anthem PVA 8 amplifiers; 3 x Triad Silver LCR speakers; 6 x Triad Silver InWall surround speakers; 2 x Triad Silver InCeiling height speakers; 4 x Triad Silver OnWall subwoofers with Triad amps
- Sources: Sky Q; Apple TV 4K; Sony UltraHD Blu-ray
- Acoustics: Vescom curtain fabrics
- 🏠 Control: Savant Pro; Savant Pro smart home system and app; Savant Pro remote control
- 💡 Lighting control: Lutron Homeworks QS and Lutron Sivoia QS blinds
- 🌐 Network: Draytek router; 11 x Ruckus R510 managed Wi-Fi access points; 2 x Luxul network switches; Domotz network monitor