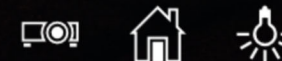


Artcoustic™
IOTM
OF THE
INSTALLATION
MONTH
JULY — 2023

in partnership with...

Artcoustic

I see the lights—a sky full of stars, London



Screen size matters

"The Cyberhomes team worked really hard to deliver on all the details and produce a stunning cinema. Thank you so much."



The client brief, like many of our home cinema projects, was for the screen to be "as big as possible". But what does "big as possible" actually mean?

At Cyberhomes we would never just install a screen that completely fills a wall of the room without careful and considered drawings and calculations. We take into account the aspect ratio of the screen (for example, will the client be mainly watching movies or high-definition TV), viewing angles from the seating positions, projector lens throw and many other factors including of course compliance with latest Building Regulations. In this project we even relocated the home's boiler in order to optimise the access stairs, allowing us more flexibility on the screen location and ultimately its size.

The audio was given the same attention to detail, with a Dolby Atmos 7.2.4 immersive sound system being proposed, acoustic measurements were taken and calculations done to ensure that with speakers in the locations recommended by Dolby, the required performance could be achieved.

Prior to any construction beginning, CAD drawings and 3D renders of the proposed cinema room were produced so the client knew exactly what the finished cinema room would look like.

Custom-built

Our in-house fabrication team constructed a two-tier seating arrangement capable of accommodating six people. The staircase was cleverly redesigned so you could step down to the front row of seats and up to the rear seating. Pipework for the relocated boiler was integrated into the new joinery.

All this allowed us to achieve a 3.5 m wide screen with motorised side masking to seamlessly change aspect ratio from 2.4:1 to 16:9 depending on the content being viewed. The screen is acoustically transparent allowing the left, centre



Bespoke joinery houses the screen, front speakers and subwoofers



Two-tier seating enhanced by custom LED lighting

and right Artcoustic speakers and the two Artcoustic Spitfire subwoofers to be perfectly located behind the screen. A bespoke framework was designed and built to house the speakers and screen, lined with acoustic panels for a solution that was both resonant-free and aesthetically pleasing.

The remaining surround and rear speakers were also hidden behind stretched-fabric walls to keep them out of sight but certainly not out of hearing. The Atmos height speakers were integrated into a bespoke starfield ceiling with custom LED lighting in the walls and ceiling coffer completing the stunning look of the room.

Noise reduction materials were installed to ensure sound didn't 'leak' from the cinema room to the rest of the house, even when being enjoyed at high volume.

Simple to use

A Control4 based control system was installed to make the whole cinema room easy to use. Not only controlling the various video sources (including Kaleidescape movie server, Ultra-HD Blu-Ray player and PS5 games console), projector and audio processors/amplifiers; lighting control was also integrated. This allowed complex functions like "watch movie" and "room off" to be reduced to single-button operation.

Installed Systems

- Automation and control: Control4
- Sound: 3 x Spitfire A10 LCR speakers, 2 SL Evolve 3-1 surround speakers, 2 SL Evolve 3-1 rear speakers, 4 in-ceiling Architect 2-1 PAS speakers, 2 Spitfire Sub 3 subwoofers —all by Artcoustic
- Processor: Anthem AVM 90
- Amplifiers: Anthem MCA and Artcoustic
- Picture: Sony VPL-XW7000 4K Laser projector; Cinema Build Systems
- 3.5 m 2.4:1 ratio cinema screen



0333 344 3718 / hello@cyberhomes.co.uk / www.cyberhomes.co.uk

Cyberhomes Limited, Station Yard, Thame, OX9 3UH

