

CEDIA  
AWARDS  
2020

WINNER

Home Cinema Level II  
EMEA



FINALIST 2020

# Award-Winning Basement Cinematic Bliss, Lapworth



# Creating the Futuristic Home Cinema Experience

## Designed for acoustic perfection and to be visually stunning before the projector even powers up...

Built to rival and exceed the finest cinema experience, the clients wish list included the biggest cinematic screen and the best audio optimised for the six family members seating positions.

Starting with an empty shell, Cyberhomes designed this award-winning cinema

room to combine quality immersive sound, the finest video available and that extra Cyberhomes magic. The result is a comfortable and relaxing environment with striking interior design—in total contrast to the grey stretched fabric rooms often specified.

## Interior design

We proposed several design concepts with the client choosing a rich, futuristic look-and-feel to the room.

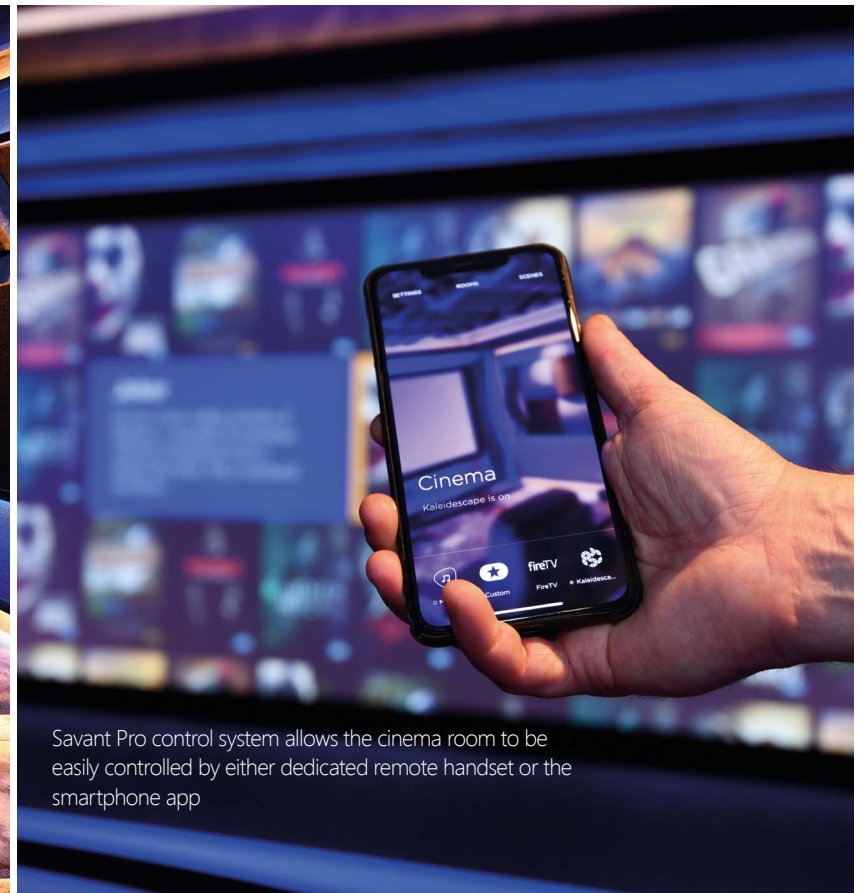
It was important that acoustic treatments were integrated which addressed first order reflections and room mode issues to ensure optimum audio performance.

Whilst there are curves and angles at every turn, the use of three-dimensional acoustic panels and bespoke visual features built to ensure the room remains balanced and symmetrical.

Computer modelling of the design allowed us to accurately predict its acoustic



Luxury Moovia cinema seating complete with D-Box motion actuators



Savant Pro control system allows the cinema room to be easily controlled by either dedicated remote handset or the smartphone app



Hidden drawer houses the latest games console allowing easy replacement when the next generation arrives

performance in order to determine the optimal speaker, screen and seating positions; complying with the design and performance guidelines from CEDIA, Dolby and SMPTE.

Numerous LED lighting circuits enhance the structures emphasising the depth in the walls and ceiling through careful consideration of light and shadows.

Fabrics, colours, textures and upholstery—all working in harmony to create an exciting

environment which doesn't detract from the movie experience once the lights go down.

## Ultimate visuals

A Sony 4K laser projector produces a vibrant and detailed image onto the 2.40:1 3.5 m wide projection screen, which has motorised side masking to change the aspect ratio of the screen according to the content being viewed.

A Kaleidescape 4K movie server provides fast and easy access to the homeowner's library of Ultra HD movies without the compression compromises associated with streaming services.



Multiple lighting circuits create interesting shapes and shadows that highlight the room's design features

As with all our luxury cinema projects, the projector was calibrated to ISF standard to ensure accurate colour reproduction for each video source.

## Immersive audio

Dolby Atmos® is now the de facto standard for most premium home cinema homes and for this installation Cyberhomes specified a 7.1.4 speaker array. This layout ensures no compromise in audio whichever seating position you choose. Bi-polar surround speakers ensure a wide dispersion sound across the back of the room.

Atmos decoding is handled by an Anthem processor, and ARC room correction fine tunes the finished room acoustics to perfection. Triad speakers ensure reference level performance from the Anthem MCA series of amplification.

Four in-wall Triad sub-woofers ensure plenty of bass thump, but for that truly earth shattering feel to big action movies we also installed D-Box motion actuators to the seating. You really do become part of the action.

## Easy Control

Cyberhomes were installing a Savant Pro control and automation system for the rest of the house, so it was the natural choice to extend this to provide easy control of the cinema room. Bespoke programming allows simple lighting scene changes, automatic screen aspect ratio changes and safe shut down of the projector to cool it sufficiently after use.

With Lutron lighting control throughout the home, a Lutron wallplate by the cinema door allows quick and easy startup and shut down of the cinema.

*"We could not fault Cyberhomes. When they came up with their 3D design of what our cinema room could be we never expected them to deliver the finished product exactly like the concept."*

Homeowner, Lapworth



Dedicated AV racks in the basement plant room keep equipment out of the living spaces.

## Equipment Rack

The stunning basement garage suite proved the perfect location to house the cinema room equipment; a dedicated equipment rack for the cinema is located in the plant room alongside the racks accommodating the AV equipment for the whole house system.

A clean power supply safeguards the processor and power amplifiers allowing them to deliver maximum dynamic performance day-in day-out.

*"We never expected the cinema room to be as good as it is and its become the show piece of the entire property, an exceptional thanks to Cyberhomes."*

Homeowner, Lapworth



This project is featured as a 'Dream Theatre' in issue 312 of Home Cinema Choice magazine.

It was also the winner of the 2020 CEDIA Award for Best Home Cinema Level II.

## Project partners

- + Convergent AV (ISF calibration)

## Installed Systems

- Visual: Sony VPL-VW760ES 4k projector; Screen Research 2.40:1 3.5 m screen with motorised side masking; Kaleidescape 4K movie server
- Audio: Anthem AVM60 Dolby® Atmos® processor; 2 x Anthem MCA325 power amplifiers; 1 x Anthem MCA525 power amplifier; 3 x Triad In-Wall Gold/6 LCR monitor speakers; 4 x Triad In-Wall Gold/4 surround bi-polar speakers; 4 x Triad On-Wall Silver 12" sub-woofers with DSP700 power amp; 4 x Triad In-Ceiling Silver/6 speakers
- Control: Savant Pro smart home system and app; Savant Pro remote control
- Lighting control: Lutron lighting control system and wallplate