

# CASE STUDIES

## THE STAR LOUNGE

### CRAFTING A HOME THEATRE MASTERPIECE

#### SUMMARY

The client sought to transform their home's upper open living space into a themed cinema, aiming for it to serve as a focal point of their house.

#### PROJECT OVERVIEW

They enlisted the expertise of Mr. AV, who worked closely alongside them, meticulously coordinating the entire construction process. Their shared objective was to craft a cinematic experience that would captivate both the homeowners and their guests. They focused on achieving exceptional sound and picture quality while minimising disturbance to other residents in the home.

#### DESIGN AND IMPLEMENTATION

The transformation journey commenced with attention to detail from the staircase, featuring custom iron railing, feature carpets, and a crystal chandelier. Upon entering the foyer, themed prints adorned the walls, complemented by ceiling-mounted spotlights and an RTI RK1+ wall controller for seamless operation. As guests stepped into the main theatre room, they were greeted by a minibar, elevated cinema seating, and discreetly integrated acoustic treatments. The atmosphere was elevated by a star-studded ceiling and RGBW LED channel lighting, drawing inspiration from the iconic lasers in Star Wars.



#### AV INTEGRATION

All AV equipment was concealed behind curtains in a dedicated rack, ensuring a clean aesthetic. The 5.1.4 Dolby Atmos system delivered immersive audio, complemented by a fixed frame projector screen and a projector for stunning visuals.



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**CONTROL SYSTEM**

The system was centralised around an RTI XP3 processor, controlled via an iPad with a fully custom user interface designed by Mr. AV. This provided intuitive interaction with all AV equipment, lighting channels, and artwork spotlights.

**ROOM BUILD**

The room underwent extensive modifications, including the installation of a curved wall, floor riser, and projector bulkhead. Custom fabric features, a star ceiling, and RGBW LED channels were incorporated to enhance the cinematic atmosphere. Acoustic isolation and treatments were also applied to optimise sound quality.

**RTI EQUIPMENT USED**

- RTI XP3 processor
- Unlimited RTiPanel license
- ZW-9 Z-Wave Interface Module
- RK1+ 4-button keypad
- Pro24.z handheld remote

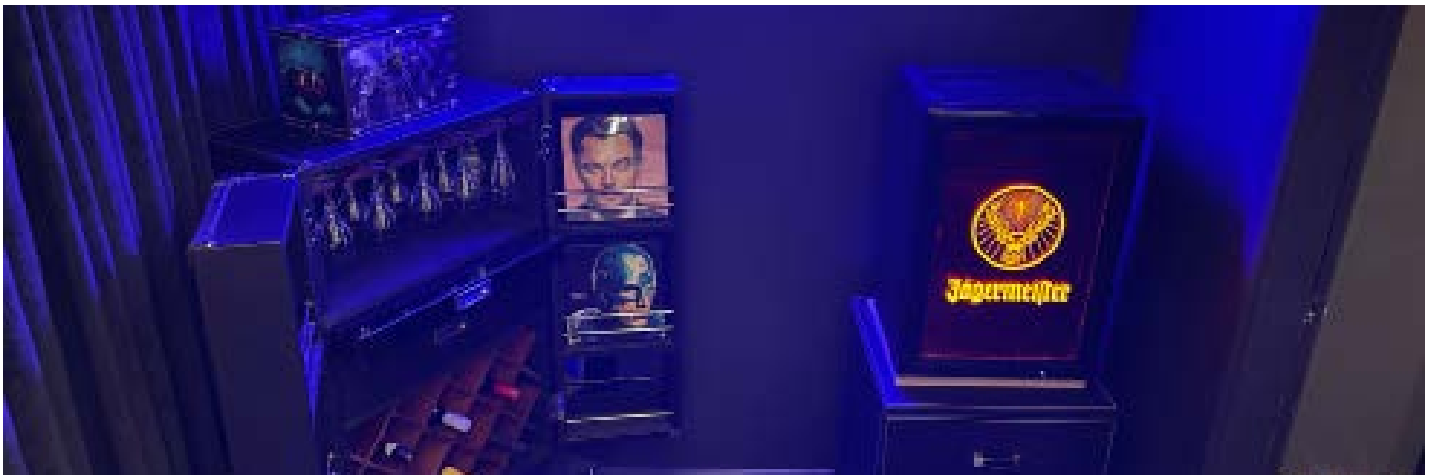
Various other AV equipment was chosen by the customer.

RTiPanel UI: 100% custom UI design by Mr. AV (no template)



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### ROOM BUILD

- Removed stairwell railing and installed curved wall and 2 flat walls + door to enclose room
- Floor riser
- Projector bulkhead
- Custom fabric front feature wall
- Custom fabricated star ceiling
- 2 channels of RGBW LEDs in deep aluminium extrusion for “laser” effect
- 1 channel of RGBW LEDs for ambient glow
- Posters with spotlights
- Velvet curtains on 2 sides, concealing AV equipment
- Acoustic isolation and treatments acoustic baffles
- Feature carpet, wallpapers, stairwell railing



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### OUTCOME

The collaborative effort between Mr. AV and the client resulted in a breathtaking cinematic space that surpassed expectations. The themed cinema not only fulfilled the client's expectations for outstanding sound and picture quality but also emerged as a remarkable highlight of their residence, enchanting both residents and visitors.

[WATCH THE COMPLETED PROJECT VIDEO HERE](#)

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