

'The Home Theatre'

You don't have to build a dedicated Theatre to experience the world's best image

'The Challenge'

Forming part of this highly integrated house is a Theatre that beggars belief. As part of the design and integration brief AVD Australia was asked to incorporate a High Definition Theatre into a living room, without influencing the architecture or impacting on the stunning interior design.

“Our client didn't want drop down projectors or large unsightly speakers cluttering the room, but at the same time wanted the best image available”

Sandy Howard, AVD

'The Solution'

To achieve the desired result product selection was very important. The biggest task was to hide the Runco VX-6c 1024p projector (with anamorphic lens assembly) into a bulkhead space and have the image project through a porthole located on the side of the bulkhead. As space was very restricted, AVD designed and made a special mounting bracket that allowed the projector to sit almost flush to the underside of the concrete above. This special bracket not only allowed for the secure mounting of the projector but also allowed the projector to be manipulated for maintenance purposes.

With the Runco Projector producing 6500 ANSI Lumens light output from its 1.2kW Xenon lamp, heat was also a big concern in the restricted space of the bulkhead. Again AVD engineered a solution that thermostatically turned on two extractor fans that increased the air flow with rising heat levels. This solution allowed the projector to maintain its specified working temperature during operation.

In maintaining the philosophy of 'No Clutter' a custom made 3500mm wide x 1970mm high side-tensioned motorised projection screen was made to suit the environment. Again this screen was located in the bulkhead section at the opposite end of the room giving a projected distance of approximately 6500mm.

Sonance Cinema II series of speakers including twin sub woofers and surround sound speakers were used in a ceiling flush mount configuration to achieve the desired result for 7.1 channels of surround sound.

To maintain the best possible image and sound quality Meridian equipment was used as the front end equipment.

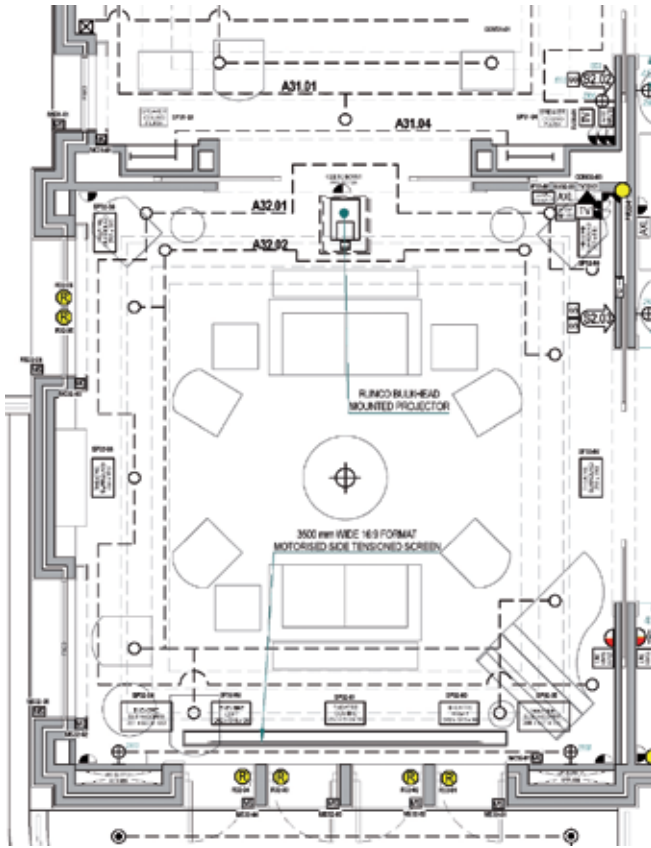
Control of the entire environment was achieved through AMX touch screen technology mixed with Marantz touch screen based RF technology remote controls.



TERRACE

'The Home Theatre'

The Engineering



Engineering design layout by AVD Australia



Room without projection screen down



Porthole in bulkhead with projector behind



Control rooms



Bracket & Runco VX-6c 1024p anamorphic



Custom engineered bracket

'The Home Theatre'



"This is the first time a RUNCO VX-6c 1024p projector has been installed in a house outside the USA"
Claver Harper, Runco Australia

'The System'

- Runco VX-6c 1024P with Anamorphic Lens
- Screen Technics Custom Motorised Side Tensioned 3500mm Wide x 1970mm High with screen surface to suit
- Custom Engineered Projector Mounting Bracket
- DGTec HDTV Receiver
- Foxtel Digital
- Integra DTR 10.5 Net Tune
- Meridian G98AH DVD Player
- Sonance Cinema II Left, Centre, Right, Surround and Sub Woofers
- InLine high definition cabling
- Marantz Colour LCD RF Remote Control
- Xantech Infra-Red to RS-232 Controllers
- AMX NI-700 processor & control equipment
- AMX Modero 15" touch screen (1 of 6 in the house)

'The Budget'

Budget: Approximately AU\$350,000.00

'Project Partners'



AVD Australia Pty Ltd

Advanced Home Automation
Electronic Systems Integration
Ph: + 612 9906 2424
www.avd.com.au



Project Connection Australia Pty Ltd

Electrical • Communications • Integration
Ph: + 612 9439 9111
www.project-connection.com.au



AMX Australia Pty Ltd

Distributor of the World's Best Control System
Ph: +617 5531 3103
www.amxaust.com.au



Runco Pty Ltd

The World's Finest
Home Theater Products
Ph: +61 2 99499349
www.runco.com