

**BEST INTEGRATED HOME INSTALLATION**  
over AUD \$300,000

## ENTRY 35

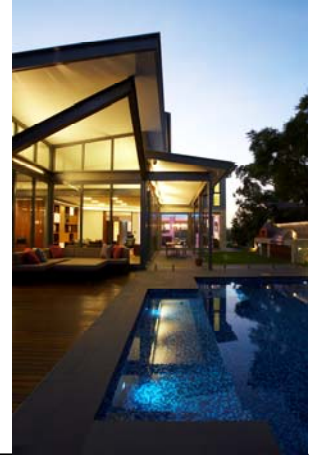
### EQUIPMENT LIST



- AUDIO VISUAL**
- MAIN HOME THEATRE**
- Meridian Faroudja ME-MF1 1080P HD DLP Projector w/ processor
  - 115-inch Fixed Screen with flock frame
  - 2 x Meridian DSP7200 Digital Floor Standing Speakers
  - Meridian DSP5500HC Digital Floor Centre Speaker
  - 4 x Meridian DSP420 Digital In Wall Rear Speakers (Rears)
  - 2 x Meridian SW1600 Digital Subwoofers
  - Meridian G68ADV Surround Controller
  - Meridian G98DH DVD Audio Transport
  - Pioneer Blu-ray Player
  - Digital View HD Set Top Box
  - Foxtel Decoder
  - Thor Smart Power Station
  - Custom fan-assisted cooling system
  - RTI T3-V System Controller
  - 1-way Crestron gateway (434MHz) to suit RTI remotes
- FAMILY ROOM HOME THEATRE**
- 50-inch Pioneer LX series plasma screen
  - 3 x KEF Ci9000 In-wall Speaker (L,C,R)
  - 2 x KEF Ci2000S In-wall Speaker (Rears)
  - KEF PSW2500 250W subwoofer
  - Integra Home Theatre receiver
  - Pioneer LX series DVD/HDD Recorder
  - Digital View DSTB
  - Foxtel Decoder
  - Custom fan-assisted cooling system
  - RTI T3-V System Controller
  - 1-way Crestron gateway (434MHz) to suit RTI remotes
- GYM TV SYSTEM**
- 1 x 42-inch Pioneer plasma
  - Speakers - Audio via house music speakers
  - Processing and Source equipment located in family room shared and utilised in this location
  - RTI T1 button remote
  - 1 way Crestron gateway (434MHz) to suit RTI remotes
- HOUSE MUSIC**
- 6 x Independent zones of House Music consisting of:**
- Adagio 6 zone Audio Expander
  - 2 x Sonance Symphony S622TR 125w ceiling speakers
- Sonance Extreme XSSTR Single Stereo 60w ceiling speaker
  - 2 x pair Sonance Extreme XTR ceiling speakers
  - 2 x pair Sonance Hi-Fi Rock speakers
  - Control via Crestron Touch screens, RTI RF remotes and Dynalite Lighting control panels
- LIGHTING**
- 262 Dynalite control circuits consisting of:**
- 72 x 2A Dimmed Circuits
  - 4 x 4A Dimmed Circuits
  - 4 x 10A Dimmed Circuits
  - 12 x DSI Dimmed Fluorescent Circuits
  - 160 x 10A Switched/Relay Circuits
  - 10 x Low Voltage relay control switching
  - Serial interface (Control of RGB LED lighting)
  - 44 x Dynalite DRP series, Stainless Steel fascia control panels
  - 12 x Dynalite Ceiling mount occupancy sensors
  - 2 x Dynalite Wall mount occupancy sensors
  - 2 x Weatherproof external lighting movement sensors
- SECURITY**
- Concept 4000 Main Control Panel
  - 2 x Concept universal big expander controller
  - 3 x Concept 4000 Touch pads
  - 13 x Paradox Detectors Vision 525d
  - 7 x Glass break detectors
  - 10 x 12v Latching Smoke Detector (Auto Reset)
  - Thermal Rise Detector (Garage)
- Security Camera system and Recording:**
- Tibet Inner Range 16 channel DVR w/ - 1TB Storage
  - 12 x Colour Varifocal Dome Cameras
  - 17-inch LCD monitor
  - AXA matrix switch (direct camera distribution to Touch Screens and TV locations)
- KEYLESS ACCESS**
- Integrated Key Fob system for control over automated gates, garage and controlled doors
- HVAC**
- Control over the following by Dynalite and Crestron:**
- 9 x Air Conditioning zones
  - 7 x Floor Heating Zones
  - 7 x Exhaust fans to wet areas
  - Garage Fume extraction and Ventilation system
  - Sub Floor Ventilation system
  - Cellar Ventilation system
- CONTROL SYSTEMS**
- Crestron Control system comprising of:**
- AV2 Ethernet-based control processor
  - 2 x TPS 6L wall mounted touch screens
  - 3 x 1 way Crestron RF gateways
- AV Remote package comprising of:**
- 2 x RTI T3V touch screen remotes
  - RTI T1 button remote
- OTHER**
- Drawings, schematics, schedules, technical data and equipment specifications
  - Full acoustic design for home theatre
  - Conceptual Joinery designs
  - Integrated PABX/Intercom system providing video communications and door control at key entry points; video intercom stations to front gate and front door
  - Full adaptable structured cabling system utilising RJ45 patching system, facilitating access to multiple services from a single field connection point
  - Custom stainless steel integrated service panels to all locations where data and/or RF connection points located
  - Full Gigabit IT network including switches, connection and commissioning
  - Full RF/Pay TV distribution system including antenna, distribution and system balancing to 12 adaptable points throughout the home
  - Power filters and surge protection to all technical locations via Thor filtering and surge protection devices.
- EXCLUSIONS**
- Electrical Works
  - Foxtel installation
  - Sony PS3 (Client Supplied)
  - Nintendo Wii (Client Supplied)



## ENTRY # 35



### DESCRIBE THE SCOPE OF WORKS YOU HAVE DEVELOPED WITH THE CLIENT:

To refine and implement a general specification to exactly meet the clients expectations and budgetary requirements.

To design and implement the substantial technology systems incorporating Lighting Control, automation, security and audio visual package that would provide an exceptional level of integration for the owner with an emphasis on 'ease of use' and concealment of technology that complemented the clean and minimalist design and finishes

To design and implement a lighting control system that would deliver and enhance a very complex lighting design that included colour mixing LED, neon, dimmable fluorescent, and a very diverse selection of fixtures.

### DESCRIBE THE SYSTEMS YOU'VE PROVIDED & HOW THIS DESIGN MEETS THESE REQUIREMENTS

At the core of the technology is a Dyalite lighting control system. This system facilitates the control of all lighting, blinds, motorised windows, air conditioning, exhaust fans, ventilation systems, floor heating and house music. The system was chosen for its exceptional capability to integrate into the numerous other systems contained in the project.

Overlaying this Dyalite system is a Crestron control system encompassing total home control including lighting, automation, access control, camera viewing, house music control and audio video control. The user interface to this Crestron system was 6" touch screens located on separate levels of the home and RTI RF remotes located in each of the AV locations.

The commercial grade security and surveillance system provides an exceptional level of security and the facility for considerable integration in the homes other systems. With camera feeds to the touch screens, TV locations and the PC's within the home the client has been more than adequately provided with the "piece of mind" they were looking for.

Audio visual requirements were, with the exception of the Home Theatre, to be minimal and discreet

The family room joinery contains all the house music system, local and shared sources, the viewing screen, the complete L/C/R and subwoofer speaker package. Being a completely freestanding unit this presented numerous challenges with relation to cabling, ventilation and the screen mount. Through detailed consultation with the interior designer a piece was created that was both technically functional and aesthetically suitable in the environment

Paramount to the client was to create and provide a designated Home Theatre environment where the resulting audio visual quality was second to none. The inclusion on a Meridian system in this environment satisfied the client's expectations more than adequately.

As part of the scope of works for this area the solution provider was engaged to provide the client with a complete acoustic design of the Home theatre room. This in conjunction with the high tech construction techniques utilised created a completely isolated room and the final acoustic calibration carried out by The solution provider produced a result without compromise.

### DESCRIBE THE INSTALLATION PROCESS, HIGHLIGHTING ANY CHALLENGES THAT WERE OVERCOME

The project, from design to completion, covered a period of 24 months with 3 design revisions prior to the commencement of wiring. Supply, installation, commissioning and programming was carried out over the last 12 months of the project.

Being a somewhat complex home the primary challenge was coordinating and staging the installation of the various technological systems into the home. Though the project remained very loyal to the original design meticulous project management was required to ensure any changes initiated onsite were assessed, documented and actioned.

One issue that confronted our installers was that the technical integration function of the air-conditioning units when installed did not match the documentation initially provided by the vendor. Many of these units were closed off in ceiling voids before this discrepancy was discovered. This was however fairly easily resolved through utilising the programming potential of the Dyalite system where a series of timed commands were provided to the units thus initiating the correct commands within the embedded air interface electronics.

### DESCRIBE THE CONCLUSION

Apart from the Home theatre there were no real standout disproportionate components within the project. It was a well balanced, albeit substantial, amalgamation of technology providing the client with a considerable integrated system that was out of sight and simple to use.

The project remained very loyal to the original design whether it was the technology, lighting design, joinery design or finishes. The solution provider worked very closely with all the vendors involved. This atmosphere of ultimate cooperation led to an exceptional result where the electronic lifestyle systems, structural build and finishes came together with an exceptional synergy contributing to a flawless result.

### PROJECT COMPLETION DATE

February 2009

### VALUE OF CUSTOM INSTALLATION PROJECT

\$361,437