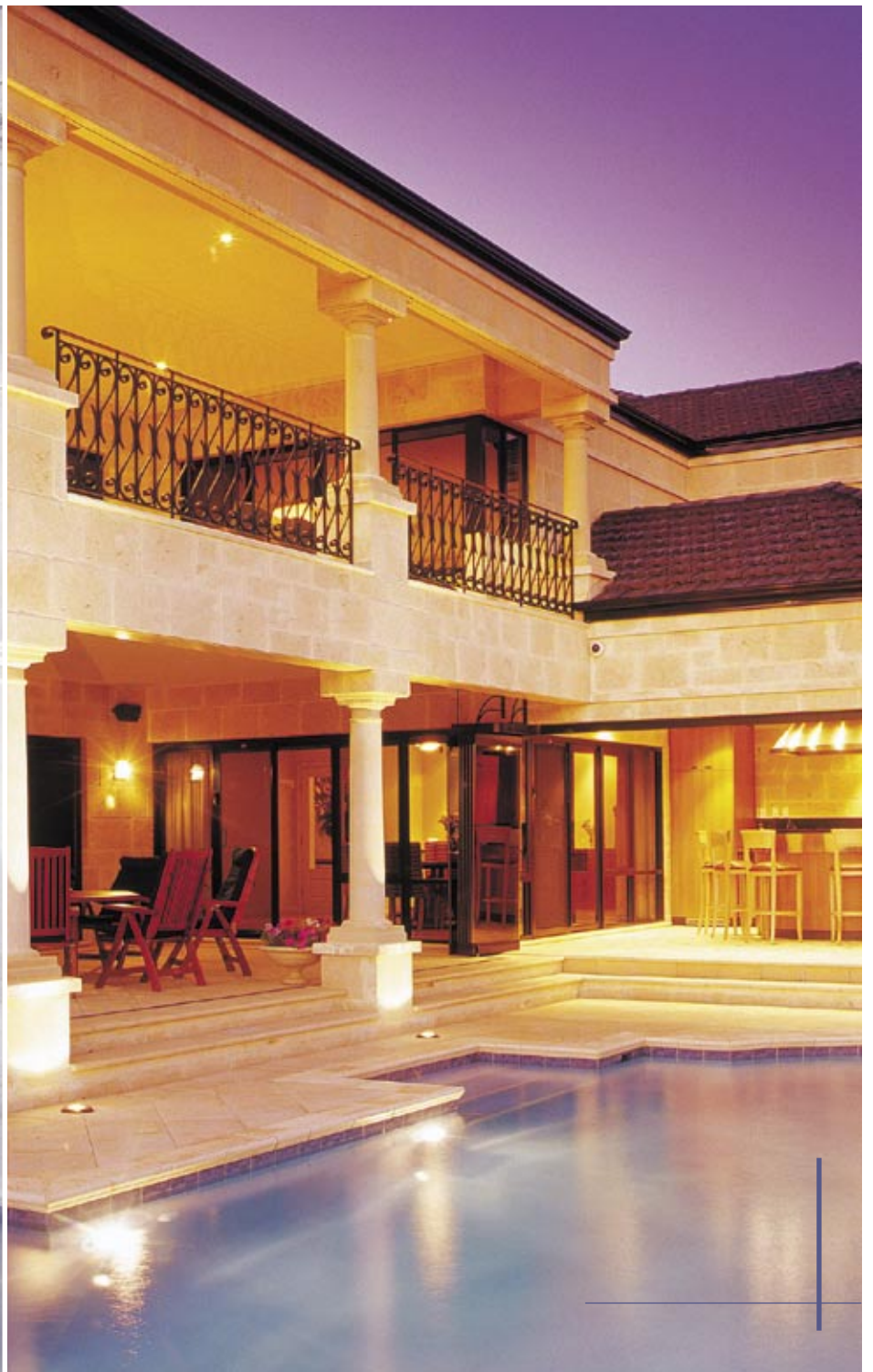


# Smart Living

PERTH

C-Bus Control and Management System

*Case Study* <sup>13</sup>



[clipsal.com](http://clipsal.com)

## A Smart and Simple Automation Solution

*A collaborative effort between Perth based systems integrators, Surround Sounds, along with Zorzi Builders, Redgewell Electrical and MMA Interiors, saw the construction of this luxury home in Perth's northern suburbs completed in December, 2001.*

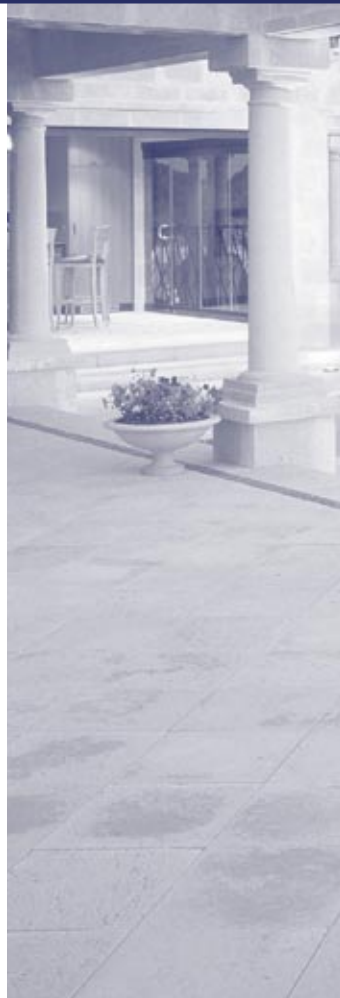
*The incorporation of Clipsal Integrated Systems' C-Bus Control and Management System, the Clipsal HomeMinder Home Automation System and the StarServe Home Networking System, has equipped the client with the facilities to meet their current and foreseeable technology needs. Hence, providing them with a completely future-proof home automation solution.*

### The Requirements

Faced with meeting the requirements of a hectic family lifestyle, the automation system installed needed to take advantage of all the benefits this sort of technology can provide.

Due to the size of the home and many circuits employed, an intelligent lighting control system was needed to provide an effective means of managing the lighting circuits. There was also a necessity for a system that would allow for seamless integration of the security and other sub systems throughout the home.

With many hallways and stairs located in the home, the provision of multi-way switching was required without the messy hard wiring involved in conventional multi-way switching. In addition, to achieve a uniform look there was also the need for all switches, power points, phone, TV and data outlets to match aesthetically. With these requirements in mind, Clipsal C-Bus was selected.



## Smart Living Perth



### The Results

The reliability and flexibility of C-Bus enabled the clients to evolve beyond their initial automation ideas. Internally, C-Bus controls all lighting circuits and exhaust fans. Outside, C-Bus is responsible for the function of the pool and garden lighting and the water pumps in the garden features.

A powerful degree of control has been further achieved through the integration of the Clipsal HomeMinder system with C-Bus. This enables lighting in the home's key areas to be controlled by one-touch moods or scenes, creating a different ambience for every occasion eg. Pushing "Dining" mode dims each of the many lighting circuits in the dining room and its immediate surroundings to create the perfect dining atmosphere. Other one touch modes provided include Entertain, Meal Time, Cocktail and Entry.

In the Home Theatre, an infrared C-Bus switch controls a combination of halogen downlights and neon tube lights. A touch screen home theatre remote control enables the owners to select from a variety of lighting scenes including Movie Time, Intermission and a simple All On or All Off.



*5200CU/2 Clipsal HomeMinder Central Controller installed in the home. The unit is supplied with cables and power transformer.*

A seasonal schedule programmed into Clipsal HomeMinder controls all garden, external lighting and water features. At night time a convenient "Sleep" mode feature times out all lighting left on after two minutes, excluding the children's bedrooms and bathrooms to allow for independence.



*This luxury home in Perth's northern suburbs features Clipsal's C-Bus Control and Management System, the Clipsal HomeMinder Home Automation System and the StarServe Home Networking System.*



## Installing the System

The security features installed include external Infrascans which switch on pre-programmed external lighting on movement. In addition, through the integration of C-Bus, Clipsal HomeMinder and the security system a number of Away, Arm and Disarm alarm modes have been set to suit the owner's requirements.

The installation of the new StarServe Pro provides an excellent distribution gateway to the many home services including telephone, fax, modem, PC (LAN) distribution and the RF TV Antenna signals. It delivers and integrates a multitude of TV signals throughout the home, allowing the viewing of DVD, VCR and Pay TV from the Home Theatre and the four CCTV cameras surrounding the property. The StarServe system saves on the need to duplicate equipment and provides a great deal of independence for the viewing habits of the household.





## The Benefits

Features	Benefits
Clipsal StarServe Pro	Provides a distribution gateway to the many home services including telephone, fax, modem, PC (LAN) distribution and the RF TV Antenna signals including DVD, Pay TV and VCR.
Clipsal C-Bus and Clipsal HomeMinder	One-touch lighting control, pre-programmed lighting scenes and schedules. Security features.
C-Bus Movement Sensors	Automates lighting in specific areas according to occupancy. Reduces unnecessary lighting redundancy - hence reduction in operation costs.

### The Benefits

The installation of this hi-tech automation system allows sophisticated but simplistic control over all areas of the home. The adaptability and flexibility of C-Bus, HomeMinder and StarServe will provide the homeowners with the ability to easily introduce new technologies to the home over time with minimal impact and cost.

As experienced Clipsal systems integrators, the team at Surround Sounds always strive to provide creative and tailor-made automation solutions for their clients. With the cooperation of Zorzi Builders and MMA Interiors who openly embrace automation technologies in their home designs, a convenient, time saving, energy efficient, security conscious and simple automation solution was devised to enhance the busy family lifestyle of the client.

A reassuring factor to the clients and builder in the quality design, integration and installation of these systems is that Surround Sounds is a Certified Clipsal Systems Integrator and Approved Installer.



## Installation Data



L5104D5 4 Channel Pro Series Dimmer.



SC5031NL and SC5034NL 1 and 2 Gang Switches.

<b>Integration Project</b>	Private residence by Zorzi Builders, Western Australia
<b>Systems Integrator/Installer</b>	Surround Sounds / Redgewell Electrics
<b>Products Used</b>	<ul style="list-style-type: none"> <li>1 x StarServe Pro</li> <li>2 x 8054VMPIR Video RF Modulators</li> <li>1 x Clipsal HomeMinder</li> <li>3 x 5500PS Power Supply</li> <li>24 x SC5031NL Cream 1 Gang Key Input</li> <li>13 x SC5032NL Cream 2 Gang Key Input</li> <li>20 x SC5034NL Cream 4 Gang Key Input</li> <li>1 x SC5034NIRL Cream 4 Gang IR Key</li> <li>1 x 5034TX IR Remote Control</li> <li>3 x 5751L Internal Infrascan</li> <li>2 x 5750WPL External Infrascan</li> <li>5 x L5512RVFP 12 Channel Relay</li> <li>3 x L5504RVF 4 Channel Relay</li> <li>2 x L5504D2AP 4 Channel Dimmer</li> <li>3 x L5504D2A 4 Channel Dimmer</li> <li>1 x L5104D5 Pro Series 4 Channel Dimmer</li> </ul> <p><i>Wired with 5005C305B C-Bus Pink Cat 5 Cable</i></p>



L5512RVFP 12 Channel Relay.



5751L Internal Infrascan.



5034TX12 IR Remote Control.



SC5034NL 4 Gang Switch.



SC5034NIRL 4 Gang IR Switch.

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