

# Michaello

## Durban, South Africa

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### Crestron Lets Michaello Entertain Guests on Cruise Control

The Michaello epitomizes luxury in ocean cruising, featuring a fully equipped gym, onboard jet skis, color changers on the deck, and so much more. The gorgeous 87-foot vessel was recently unveiled to rave reviews in Durban Harbour, South Africa. Designed and built to its owner's specifications, the Michaello offers 6-star ocean-bound living in four opulent cabins, a full saloon, a sumptuously outfitted galley, and a chest-pumping surround sound home theater. An integrated Crestron control system automates advanced lighting and entertainment throughout the vessel.



**“The system has evolved... the flexibility of Crestron software and hardware proved invaluable when adapting to the new requirements”**

During her four year construction, all aspects of the Michaello were customized to the highest standards, with every detail executed to perfection. Indulgences include hand woven carpets, a glass spiral staircase to the sundeck, mother-of-pearl inlays, gold plated bathroom fixtures, 24-carat gold leaf trim, fiber optic lighting, and motorized curved glass doors leading from the saloon to the deck. The living quarter for the crew includes two bunk beds, bathroom, a kitchenette, and large screen TV.

South Africa-based systems integrator and lighting specialist, Electrosonic SA KZN, collaborated with the shipbuilder on lighting and audio/video control systems. Having explained the infinite possibilities with Crestron control technology, Electrosonic was retained to integrate lighting control, AV distribution, keypads, dimmer modules and relays throughout the vessel.

The Crestron network weaves its way through the Michaello to the headend, and central control center in the bar area, connecting all keypads, relays and dimmers, satellite receiver, security cameras and DVD player to the Crestron CP2E control system. The satellite feed and security cameras can be individually routed to any of the six screens throughout the vessel with a few button presses.

Due to the constant motion of the vessel and space limitations, all cabling was secured in concealed trays in the ceiling. Crestron CH-PD4x570 Dimmer Modules and CH-HREL8-D6 Relay Modules are DIN Rail mounted in ventilated ceiling-mounted electrical enclosures, and rather than using a centralized dimming enclosure, multiple sub-enclosures were strategically placed in the ceilings throughout the ship. This procedure streamlined installation, allowing existing cabling to be pulled to the new enclosures from previous banks of switches and in-wall dimmers.

“The system has evolved since we were commissioned to implement controls for the lighting and blinds. With the addition of wireless user interfaces, we've integrated AV control and





distribution. Later, we were asked to integrate control of the PTZ cameras. The flexibility of Crestron software and hardware proved invaluable when adapting to these new requirements,” explains Rohan Clark, lead programmer and product manager at Electrosonic KZN.

The heart of the system is a CP2E control processor, which seamlessly integrates and automates all the technology. Crestron ML-600 handheld remotes and TPS-6X wireless touchpanels enable effortless finger touch control of all AV sources and lighting. Additionally, 14 Crestron CNX-B12 12-button keypads are installed throughout the vessel, allowing one-touch recall of lighting presets, and flexible control of all lighting and entertainment systems from numerous locations.

Cabin ambiance can be set by any guest using either the preset lighting scenes, or easily customized to accommodate individual moods. Lighting scenes in every cabin can be adjusted and stored from any touchpanel or keypad. If the owner wants the “shower scene” to be brighter, he simply adjusts the lighting to suit his mood, and saves the scene with a press of a button.

Careful attention was given to accent lighting throughout the ship. All cabins feature rope lights in the alcoves and bedside reading lights. Subtle lighting was also used to illuminate the master suite’s precious stone slab vanity, bath and shower.

Keypads, which are located at the three staircases and in the saloon, control lighting scenes in the main living area and theater. When the “off” preset button is depressed for 10 seconds on any keypad in the saloon or galley, the entire living area is switched off, eliminating the need to walk to each keypad. Stylish backlit buttons ensure that keypads are easy to locate in the dark, providing added convenience and safety.

Entertainment systems in each cabin include a Bose DVD/tuner and HD television, with compact speakers distributing audio from source equipment located in the headend. A large screen LCD in the master cabin is hidden behind a painting, which is motorized to slide down and reveal the display when needed with a press on the touchpanel.

The home theater is located on the sundeck and features a 57" NEC LCD screen with a custom lift that fits neatly into a cabinet, plus a thunderous, yet unobtrusive 5.1 surround sound system mounted on the ceiling. Both entertainment systems and lighting in the home theater and bar/lounge area are conveniently controlled from the TPS-6X.

The grand finale to the lighting is the automated LED color changers installed on the sundeck, which becomes the party deck when the sun sets and another starry night of cruising lies ahead.