



## Philadelphia Condo Features Built-In Smart Home to Fit Homeowner's Lifestyle

### Background

1706 Rittenhouse Square Street, a high style, high-rise condominium building in one of Philadelphia's upscale neighborhoods boasts the finest in design and amenities. Located on a quiet cobbled street, 1706 offers homeowners luxury and convenience. Each residence spans more than 4,000 square feet and occupies an entire floor, complete with private elevator access, providing the ultimate feeling of privacy in a multifamily setting.

The homeowner purchased his residence when the unit was just a shell which gave him the ability to create a space that fit his lifestyle. Philadelphia-based Interior Design firm, Fury Design introduced Philadelphia-based Systems Integrator,

Creative Systems to the homeowner to discuss the project and his needs. Jason Hendrie, Creative Systems Project Manager, helped educate the client on the value of Crestron automation and what it could provide for him. The rest is history.

"Building my new residence from scratch provided the opportunity to 'build in' smart home capabilities from the start," said homeowner, Craig Rogerson.

### The Challenge

In the initial meeting, the homeowner, designer and systems integrator reviewed the floor plans to discuss the AV sources and their control locations. Creative Systems recommended a distributed AV system, which would overcome space limitations. The objective was to install a whole-home system that would be easy to use and maximize the space's footprint without imposing on the luxury interior design.



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### The Solution

Crestron DigitalMedia™ manages, controls and distributes video sources to all displays in the residence at 1080P resolutions. DigitalMedia seamlessly handles true high-definition signal routing, switching and long distance distribution of all analog and uncompressed HD digital signals, and manages embedded data such as HDCP, EDID and CEC.

### Systems at a Glance

Creative Systems installed and programmed a centralized system utilizing Crestron home technology as the control center. The residence incorporates automated shade control to protect hard wood finishes and fabrics from damaging sunlight. Lighting and dimming control enhances the natural features of the space, and provides the ideal ambiance for every occasion.

A Crestron AV2 control system enables a fully-integrated home control solution to the condo. Every audio, video, and environmental element of the home becomes integrated and accessible through the AV2 control system.

DigitalMedia, in conjunction with a Crestron BIPAD8 audio distribution processor, distributes seven zones of audio, including three zones of digital audio for rooms with surround sound systems, and seven zones of video. A Crestron GEN-IDOCV Interface for Apple iPod® enables audio and video sharing from any iPod, iPod Touch® and iPhone® throughout the home's multi-room audio system. Occupants simply drop their iPod into the IDOCV and their personal music and movie playlists can be shared throughout the home.

An array of Crestron touch screens and remotes can be found throughout the home, giving occupants control of any system



from any room. ML-600 handhelds and wireless and in-wall touch screens (TPS-6L, TPS-6X, TPMC-8L) are located in the living room, foyers, kitchen, bedrooms, office, workout room and wet bar.

“Designing and accomplishing the system as I wanted it enables me to efficiently use and enjoy all rooms in my residence, as well enjoying the same music/program at any location within my home,” noted Rogerson.

A Crestron PAC2M control system handles the lighting control throughout the home. Custom programming provided by Creative Systems gave the client the exact presets he wanted. When the homeowner exits the elevator and arrives at home, he is welcomed by a dimly lit sconce in the foyer, accented by the blue light from the double-sided saltwater aquarium that allows him to see through into the living room. The homeowner can select multiple “HOME” buttons to create the desired mood as he walks through the door into the sprawling residence. For late nights, subtle lighting accents the hallways. During the day, lights are set to a more vibrant scene.

The Crestron system keeps track of shade positions based on the “HOME” or “AWAY” status controlled from the lighting keypad near the elevator. If the homeowner is home during the day, the shades will open and close based on the sun exposure, utilizing the Crestron astronomical time clock.

The homeowner has the ability to manually control the shades from any touch panel to deactivate the automated feature. When leaving the residence, the owner simply presses the “AWAY” button, and all lights turn off except for the dim foyer lights. At this time the solar shades are set to the closed position. When arriving home, the owner simply presses one of the “HOME” buttons to turn the lights on in specific areas and the shades are set to the desired position depending on the time of day.

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**Craig Rogerson, Homeowner**

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### Benefits

“The most beneficial part of the project was having the opportunity to work with the Creative Systems professionals from the start,” said Rogerson. “They provided thoughtful insight on all of my options, even providing options that I never would have thought of, all while designing a Crestron system that met all of my needs,” added Rogerson.