



The Smart Home People™



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## Smart Condo Features

**TriVista Smart Homes** is pleased to provide advanced Control4® Smart Home equipment for **Smart Condo** capabilities. An automated condominium home is safer, more enjoyable, and offers far greater comfort and convenience than an ordinary unit. The unit's various systems can be easily controlled from a simple remote control, in-wall keypad, iPod, or internet connection. It will notify the homeowner when needed, and delivers advanced energy management capabilities, helping the homeowner contribute to a green living lifestyle.

Control4 home automation gives the homeowner simple, centralized control over lighting, digital music management, home theater, temperature and security. Wireless, IP-based products integrate existing technology into one complete system, providing a new level of entertainment, comfort and convenience to the family. Control4 smart lighting uses timers, sensors and dimmers to enhance comfort and reduce energy costs.

### One-Touch Home Theater/TV

Simplifies the control of audio, video and home-theatre components, eliminating the need for multiple remotes. A simple whole-home remote features bi-directional wireless communication, a backlit LED screen, and the ability to browse media and control other automated devices in the home. A true cinematic experience can be enjoyed in the living room.

### Comfort & Convenience

Control all the home's systems with an in-wall keypad, on-screen TV, or a wireless iTouch<sup>1</sup> (optional), featuring an intuitive, rich colour user interface. Temperature and lighting levels are set according to one-touch scenes like "Good Night", or based on events such as occupancy or time of day. Temperature is adjusted automatically when the family arrives or leaves, goes to bed, etc. The home can be monitored and adjusted from anywhere in the world via internet<sup>2</sup>.

### Smart Lighting

Main room lights are controlled by Control4 automated dimmers. Lights can be controlled from the keypad, iTouch, or remote control. Lighting scenes offer simple and elegant control over lighting. Lights will react automatically when entering or leaving the home.

### Safety and Security

Lights will turn on automatically in the event of an emergency such as an intrusion or fire. If away, the home will automatically notify the homeowner by phone of any problem or emergency<sup>3</sup>. Parents will be notified of children's arrival home, and TV watching during homework hours. Monitor children's arrival home, gaming time, or TV viewing.

### Energy Management

Electricity wastage is reduced by automatically shutting off lights when not needed. Lighting levels are reduced when full brightness is not needed, reducing electrical costs and prolonging bulb life. The home reduces heating/cooling energy consumption by automatically adjusting temperature based on when people are home, what they are doing, and what parts of the home are occupied. And the system can adjust energy consumption in response to the forthcoming Ontario Time of Use (ToU) electrical billing<sup>4</sup>.

<sup>1</sup> Requires customer-supplied iTouch, and optional iTouch Application (extra cost)

<sup>2</sup> Requires optional extra-cost monthly subscription fee

<sup>3</sup> Requires optional extra-cost monthly subscription fee

<sup>4</sup> Requires optional extra-charge equipment, not yet available for Ontario smart meters

<b>One-Touch Home Theatre/TV</b>	<ul style="list-style-type: none"> <li>• Single remote to operate home theatre/TV</li> <li>• Select movies by cover art</li> <li>• Automatically adjust lighting/temperature for movie/TV watching</li> </ul>
<b>Comfort/Convenience</b>	<ul style="list-style-type: none"> <li>• One wireless remote for entertainment, security, lighting, etc.</li> <li>• Automatic temperature adjustment</li> <li>• Pre-programmed lighting scenes (<i>Welcome, Goodbye, Entertain, Watch TV, etc.</i>)</li> <li>• Automatic homeowner alert notifications</li> </ul>
<b>Digital Music Management</b>	<ul style="list-style-type: none"> <li>• Manage digital MP3 Music collection</li> <li>• Select music by cover art, album, genre, artist, etc.</li> <li>• Control music source with remote, in-wall keypad, or portable Apple iTouch</li> <li>• Store music on any source</li> </ul>
<b>Smart Lighting</b>	<ul style="list-style-type: none"> <li>• All ON, all OFF convenience</li> <li>• 0-100% light level (dimming) control</li> <li>• Convenience scenes (<i>Welcome, Goodbye, Entertain, Watch TV, etc.</i>)</li> <li>• Event-driven lighting control (arrive/leave home, intrusion, fire, etc.)</li> </ul>
<b>Safety&amp; Security</b>	<ul style="list-style-type: none"> <li>• Automatic Homeowner Alerts</li> <li>• All ON Lighting upon intrusion</li> <li>• Lights ON, Furnace OFF if fire detected</li> </ul>
<b>Green Home</b>	<ul style="list-style-type: none"> <li>• Smart Thermostat for automatic control of heating/cooling</li> <li>• Lighting dimming, scene control</li> <li>• Lights Auto-OFF on leaving room</li> <li>• Occupancy-based lighting, heating/cooling control</li> <li>• Ready for future Ontario Time of Use (ToU) Electricity Billing</li> </ul>

## Featured Equipment

### Smart Condo Controller

Music and Home Controller. Control music, comfort, security, lighting, video. Online music recognition and storage, digital audio streaming.



- wireless communication
- Browse by artist, song, genre, cover art.
- IR, contact, relay, serial connections.
- USB storage connection
- HD onscreen navigation.

### Smart Condo Remote

Sleek, compact remote provides customization and control never before possible in a handheld device.

- Backlit LCD screen
- Wireless—no need to point at device
- Single-button Audio/Video control
- Replaces all other remotes
- Context sensitive programmable buttons
- Rogers/Bell ExpressVu onscreen Guide/PVR
- Motion-activated power on/off



## Smart Thermostat

Intelligent climate control. Bi-directional communication with heating/cooling system.



- ☑ Personalized programming with up to six different setpoint periods/day
- ☑ Automatic changeover between heating and cooling, plus overshoot and undershoot settings for reduced system cycling.
- ☑ Manual override
- ☑ Backlit LCD
- ☑ Intuitive user interface
- ☑ 5 soft menu buttons
- ☑ single/multi-stage system control

## Wireless Motion Sensor

Intelligent, software-controlled motion (passive infrared—or PIR) and light level (lux) sensor.



- ☑ Integrated Ambient Light Sensor (~0.1 to 10,000)
- ☑ One (1) 9V alkaline battery (included)
- ☑ Integrated antenna
- ☑ ZigBee (802.15.4) mesh networking
- ☑ Integrated Ambient Light Sensor (~0.1 to 10,000)

## My House iTouch® Interface (Optional)

Full fingertip home control on your portable wireless Apple iPod Touch.



- ☑ WiFi Connection
- ☑ Full Control4 Director Menu
- ☑ Control music source and playlists
- ☑ Easy setup/configuration
- ☑ View Camera images

## Smart Light Switches

Elegant and convenient lighting control via beautiful dimmable wall switches.



- ☑ Control up to 100W load, or music, etc.
- ☑ Customizable LED status lights for user feedback
- ☑ Ergonomic smoothed design for fingertip control
- ☑ Decora wall plate

## In-Wall Keypad

Complete control of your home with 6 programmable buttons. One-touch operation of lighting/entertainment scenes (containing any operational commands or sequences).



- ☑ 6 control buttons
- ☑ LED Feedback lights
- ☑ Custom button engraving available

## Composer Home Edition Software

Manage and personalize your smart condo with this easy-to-use Windows Software.



- ☑ Set LED colors on lights and keypads
- ☑ Set light dimming levels and speeds
- ☑ Determine heating/cooling schedule
- ☑ Import and manage MP3 digital music collection

## In Detail

Equipment	Capabilities
<b>HC 300 Home Controller</b>	Wireless control of all condo systems. Music streaming and management. Integrates various home entertainment and systems, devices. Multiple IR and serial outputs and intelligent video sensing for home theater control. Devices throughout the condo are controlled via communication over wireless ZigBee™ (802.15.4) mesh networking, Ethernet, or WiFi. Works with all Control4 components and a comprehensive array of third party devices. High-Definition on-screen navigation provides large, bright, clear 16x9 graphics
<b>Smart Thermostat</b>	Bi-directional communication and seamless integration with the Control4 home automation system. Sophisticated, sleek profile fits beautifully in any home. Large backlit LCD .Intuitive interface for common features. Personalized programming with up to six different set point periods per day. Multiple hold options when departing from programmed schedule. Automatic changeover between heating and cooling system control plus overshoot and undershoot settings for reduced system cycling. Robust, reliable, wireless connectivity using the ZigBee™ (802.15.4) mesh networking standard. Connects to heating and cooling systems following standard thermostat wiring conventions. Operates as a stand-alone thermostat if connection to controller is ever lost.

<b>Smart Light Switches</b>	Elegant and convenient lighting control. Customizable top and bottom LED lights provide instant user feedback. Easily adjust the brightness of each LED. Custom screw-less faceplate. Works with decorative Decora® style screw-on faceplates. Curved button follows natural curves and motion of fingertips. Button is detachable from the lighting load, so lights can be controlled from anywhere in the house. Dimmer can be used as a two-button keypad that controls anything in the condo. Intelligent, reliable, wireless connectivity using the 802.15.4 mesh networking standard.
<b>Composer Home Edition Software</b>	Manage and personalize your smart condo. Create lighting scenes, manage digital media, create email notifications, set temperature schedules, and access your condo from any internet connection in the world.
<b>6-Button in-wall Keypad</b>	Control anything in the unit, from a group of lights to music volume to a customized series of security events. Control multiple events with the push of a single button. Intelligent wireless connectivity.
<b>Audio</b>	Music delivered to home stereo/surround sound system. Control the source on in-wall keypad, onscreen TV display, optional iPod Touch, or remote control.
<b>iPod Touch Control (optional, extra cost)</b>	An Apple iPod application for the iPhone or iPod Touch for the Control4 system. Control the condo from the iPod Touch. The hand-held interface is the same as on the Control4 family of touch panels and on-screen interfaces, making navigation simple and familiar. Users have complete access to any aspect of the system including security, lighting, temperature control, multi-room music, home theatre control and more.

## Green

A Smart Condo contains state-of-the-art energy conservation capabilities. The homeowner will contribute to a green living lifestyle, and realize financial savings on the monthly energy bills. **The condo will eliminate over 300 pounds of CO2 emissions each year.** That's like not driving a car for a month. Below are some of the ways the home will reduce energy consumption:



- Lights will come on when needed, and go off when not needed, reducing lighting bills.
- By operating incandescent lighting for a greater percentage of time at less than 100% brightness, not only is energy reduced, but the life of the bulbs is extended. Further saving can be realized by purchasing fewer bulbs. A typical 75-watt halogen pot light can cost \$8 or more, and the condo can easily have 30 or more such bulbs.
- Lights can be programmed to turn on and off at the appropriate time of day and year in order to reduce waste. For instance, interior hall lights can be turned off automatically based on daylight arrival.
- Motion sensors let the Control4 system know when to turn lights off in unoccupied rooms
- Control4 can dim lights to reduce energy consumption with the ability to manage energy-saving dimming that is imperceptible to the human eye
- The heating/cooling will be adjusted based on whether or not anyone is home. If nobody is home, less energy will be consumed. The temperature is automatically adjusted back to comfort levels when someone returns home.
- Ontario will soon be implementing Time of Use (ToU) electrical billing. The home's smart electrical meter will charge more for electricity usage during peak daytime hours than in off-peak evening hours. This smart home can automatically adjust consumption downwards during peak hours to further reduce energy costs.

<b>DIMMING THE LIGHT THIS MUCH:</b>	10%	25%	50%	75%
<b>SAVES THIS MUCH ENERGY:</b>	10%	20%	40%	60%
<b>&amp; EXTENDS YOUR BULB LIFE BY:</b>	2x LONGER	4x LONGER	20x LONGER	More than 20x LONGER

## Pre-Requisites

Customer-Supplied	Rough-In Wiring	Other
<ul style="list-style-type: none"> <li>• Television</li> <li>• Internet (wired or wireless)</li> <li>• Cable or Satellite TV</li> <li>• Home Theatre Receiver, with speakers</li> </ul>	<ul style="list-style-type: none"> <li>• Two Cat5e cable runs from Cable demarcation point to TV location</li> <li>• 120V power to in-wall keypad location</li> <li>• Cat5e from security panel (if present) to TV location</li> </ul>	<ul style="list-style-type: none"> <li>• Magnetic Door Contact (Can be supplied)</li> </ul>