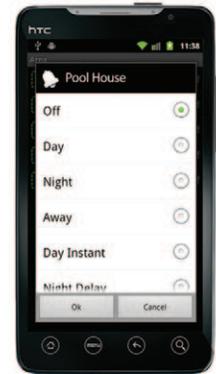


# 2012 PRODUCT CATALOG

HOME AUTOMATION · BUILDING MANAGEMENT



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## Look for these icons!

Product information icons are placed next to product descriptions throughout this catalog for easy identification of special applications or features.



Rated for commercial building applications



Utilizes HAI's secure wireless technology



Products designed for ZigBee®



110VAC required (not suitable outside U.S.)



Product includes all-new features for 2012



Product planned for release in 2012



Product featuring HAI's third generation UPB

## Letter from the President



As HAI enters its 27th year in business, we thank you for your loyalty and support! HAI continues to evolve with the times, and 2012 will be no exception. We are on solid footing with growing domestic and international sales, new products in energy management and lighting control and enhanced features for our controllers and apps.

Over the years, we have relentlessly enhanced our products and accessories. OmniPro II and Lumina controllers include comprehensive feature sets, apps for popular tablets and smartphones, and unsurpassed reliability. Enjoy security, energy savings, and convenience for your home or business with our easy to use controllers.

Looking for a quick return on investment? HAI's wireless MicroControl™ family targets major energy consumers with low-cost equipment. That equals quick payback. Robust ZigBee® wireless technology ensures an easy installation and long-term performance. MicroControl™ is ideal for retrofit jobs, and you can expand a MicroControl™ by plugging it into an HAI controller—now or later.

The Hi-Fi 2 by HAI distributed audio system is a hit: attractive and easy to use, totally built-in (no rack required), and connects to anything. For 2012, we will introduce a stereo Bluetooth input that allows you to play any source of music (Pandora, Napster, Rhapsody, Internet radio) right from your Bluetooth-equipped tablet, smartphone or netbook—no wires attached. DJ from your handheld and enjoy high quality sound everywhere—how fun is that!

Keep in touch with HAI via your favorite social network, opt-in e-mail, [www.homeauto.com](http://www.homeauto.com), and of course your friendly HAI Regional Manager. Thank you again for your business. We look forward to continued success with you in 2012 and beyond!

Jay McLellan  
President & CEO, HAI





## Leading with innovative solutions for energy management, security, and entertainment.



Left to right, Jay McLellan, Tom Pickral, and Brian Yokum at HAI's Corporate Headquarters and Production Facility in New Orleans, Louisiana, USA.

### Over 25 years of excellence

Home Automation, Inc. (HAI) was formed in 1985 to provide automation products to the emerging home automation and controls market. HAI's founders, Tom Pickral, Brian Yokum, and Jay McLellan, worked together in the industrial automation industry and sought to apply this expertise to the home and small commercial automation markets. HAI looks forward to continuing to provide the best in automation solutions in 2012 and beyond.

**1985:** HAI forms to provide products to the emerging home automation & controls market.

**1995:** The HAI Omni system—providing twice the performance at half the cost of the Model 1503—hits the market.

**1997:** The HAI OmniPro controller is introduced, providing expanded features for large homes.

**2001:** HAI Web-Link II: the first Internet remote access & control software for residences.



**1988:** The Model 1503 is introduced as the first integrated security and automation system on the market.

**1996:** Omnistat is introduced—the first ENERGY STAR® programmable communicating thermostat line.

**2000:** The HAI Omni LT home control system for smaller homes, townhouses, apartments and European markets is unveiled.

**2002:** OmniPro II replaces OmniPro. Video recording capabilities added to Web-Link II.

## 2011's new and updated products

- HAI MicroControl™ Wireless Energy Management Coordinator
- HAI Dock Interface for iPhone/iPod Devices
- Snap-Link Mobile Optimized for iPad
- HAI Omni-Bus Product Line
- Omni/Lumina Control Designed for ZigBee® Home Automation Profile Locks
- Offering a VoIP Door Station with camera
- Configuration by Room Update to Interfaces
- HAI Home Theater Extender 2 (HTX2)
- Wireless Omnistat2 Programmable Communicating Thermostat
- Wireless Load Control Modules
- Enhanced Snap-Link Mobile for Android
- Enhanced Snap-Link Mobile for iPhone w/Standalone Capability
- Enhanced Snap-Link with Access Control, Audio, Humidity, & User Settings
- Enhanced Omni and Lumina Series Controllers: Language Support (German, Portuguese, Spanish, Chinese, Italian, Catalan, French, Arabic, Russian, Hebrew)



*The HAI Dock interface for iPhone and iPod devices*

<p><b>2003:</b> HAI introduces the OmniTouch Touchscreen. It quickly becomes the international face of home automation.</p>	<p><b>2004:</b> HAI introduces Home Control for Windows® Media Center—allows control of an HAI system on your TV.</p>	<p><b>2005:</b> HAI Lighting Control (HLC) introduces the concept of affordable, elegant lighting control; HAI OmniTouch with Video, allowing surveillance video to be displayed; HAI Wireless products enhance security and automation applications.</p>	<p><b>2006:</b> Release of the revolutionary whole home audio system, Hi-Fi by HAI; Snap-Link, the USB key that plugs into any computer to monitor and control the home, and Lumina.</p>	<p><b>2007:</b> HAI OmniTouch 5.7 Touchscreen released; Snap-Link Mobile puts home control in the palm of your hand; HLC uses Gen II UPB for enhanced reliability and added features.</p>	<p><b>2008:</b> Introduction of Omnistat2 programmable communicating thermostat; New versions of PC Access software and OmniPro II/IIe controller boards released.</p>	<p><b>2010:</b> HAI's 25th year of serving the home automation market is celebrated. HAI Music Gateway and Hi-Fi 2 by HAI are released.</p>	<p><b>2011:</b> Wireless energy management system with ZigBee technology is introduced; Omni-Bus launches for 220V lighting control markets.</p>



Touchscreens throughout the home provide easy control of a variety of home systems.



Control lighting, audio, video, temperature, and more all with a touch.

## The common questions and answers of home automation.

### What are the benefits of an automated home?

An automated home coordinates security, temperatures, lighting, and audio/video automatically for safety, energy savings, and convenience. Automatically dimming lights and changing heating and cooling setpoints when you're away from home can greatly reduce energy costs. Remote access lets you view security video on a laptop or mobile device. Adding home automation can also increase the value of your home.

HAI products will make your home more energy efficient. As an added benefit you will save money on your energy bills. If used properly, your system can practically pay for itself in energy savings, while increasing the resale value of your home.

### Is the system easy to understand and operate?

**Yes.** Touchscreen graphic displays can be customized to meet your unique tastes and requirements. Children can even learn and understand how to use basic features of the system. Day-to-day events are controlled with one button, such as Day, Night, Vacation, or Away. More specific activities are menu driven to change temperature, lights, audio and more.

### Can it be controlled over the Internet or telephone?

**Yes.** All HAI systems can be monitored and controlled over the Internet or telephone either inside or outside the home. Check and adjust lights, temperature, security, audio, and more. Perfect for a vacation house.

### Can the system expand easily if my needs change?

**Yes.** You can add Touchscreens with intercom, pool, spa, or irrigation controls, window treatments, remotes, multi-room audio systems, home theater controls, access control, video surveillance, and more. HAI has partnered with many other companies in related industries so you can expand and customize your home automation system now, or at any time in the future.

### Is the system affordable?

**Yes.** HAI offers a home automation system for every lifestyle. Price depends on the size of your home and the options that you desire. Your HAI dealer will evaluate your needs to customize a system that is just right for you.

## HAI's reliable home control systems are the most popular in the world.

HAI systems have been installed worldwide for over 25 years. Many of HAI's first generation controllers are still in use—some have been running continuously since 1988!

HAI uses embedded controller technology in its home control systems, a technology proven to be reliable with decades of use. HAI controllers have no fans, disk drives, or other moving parts to fail.

All HAI products can work in a stand-alone fashion so they are not dependent on any other products in the house, including computers. There is no single part that can cause an entire system to fail. For example, light switches still control the lights and thermostats still control your heating and cooling system. These familiar devices are easy-to-use for homeowners and guests in every day living.

To ensure the highest reliability and safety, HAI has products tested by Underwriters Laboratories (UL), the most stringent test lab in North America. Many competitors refuse or are unable to meet these strict requirements.

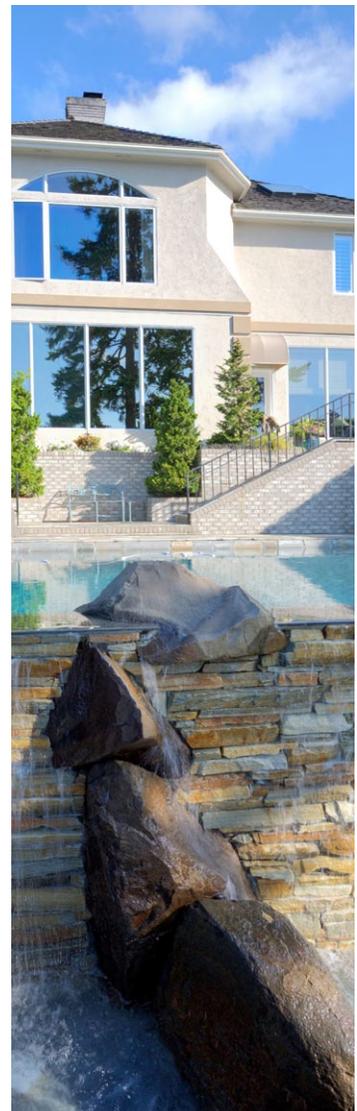
In addition to meeting UL requirements, HAI also meets CE (European Standard) requirements. In most cases the requirements and testing for CE are more difficult, but HAI goes the extra distance to ensure the highest quality product is available.

### Approvals

- UL Residential Fire and Burglary (Omni family)
- UL Commercial Burglary (OmniPro II & Omni IIe)
- UL Energy Management (Lumina family)
- FCC Part 15J, Part 68 (Omni & Lumina families)
- California Title 24 Compliant (Omni & Lumina families)
- California State Fire Marshall (Omni family)
- CP-01 Compliant (Omni family)
- CE (European Standard - Hi-Fi 2; Omni & Lumina families)
- IS-60 (Canadian Standard - Omni & Lumina families)
- HAI's products are RoHS compliant
- Australian Communications and Media Authority
- ETL Listings



HAI is proud to be active members of the following leading industry organizations:



WELCOME TO HAI



## HAI offers you more.

### More options

HAI offers more interface options than ever before plus a comprehensive integrated product line including energy management, surveillance, lighting control, multi-room audio, security, access control, home entertainment, and intercom.

### More business opportunities

HAI's extensive and modular product line and Connectivity Partnerships means you can offer clients a product range that fits any budget.

### More experience

Since 1985, HAI has been the industry leader in integrated security and home control products.

### More awards

HAI has been the recipient of over 100 business and industry awards over the past quarter century, putting HAI in the top tier of home automation solution providers in the world. Year after year, HAI garners more recognition for developing and implementing unique and innovative solutions for the industry and the markets it serves.



## HAI is worldwide with products available in over 80 countries.

### HAI multi-language support

HAI products are available in the following languages (\*identifies that language available in both voice and text for Omni and Lumina Controllers):

- \*Catalan
- Chinese (Traditional and Simplified)
- \*French
- German
- \*Italian
- Portuguese
- \*Spanish (European, Latin American)
- Arabic
- Russian
- Hebrew

Additionally, HAI's OmniTouch Touchscreens, PC Access programming software, and mobile apps for iPhone, iPad and Android are available in a wide variety of world languages.

HAI's international website, located at [www.hai-international.com](http://www.hai-international.com), supports four different world languages including English, French, Italian, Spanish, and highlights events, training opportunities, and projects.

HAI strives to provide information for as many markets as possible, expanding the availability of HAI products to every region. Contact [internationalsales@homeauto.com](mailto:internationalsales@homeauto.com) for more information.

### International market support

HAI makes available a multitude of foreign language marketing documents from [www.hai-international.com](http://www.hai-international.com).



Omni-Bus Lighting Control Network provides lighting control for 220-240V/50Hz regions outside the U.S.



The International Omni Console features language neutral symbols to serve a full range of markets.



At left: HAI OmniTouch 5.7e Touchscreen in Simplified Chinese





## HAI: More than home automation

You may recognize HAI as a world-renowned residential automation provider, but were you aware HAI has also successfully implemented automation systems in many commercial settings across the world? HAI's building management systems can be installed in new construction or retrofitted into existing facilities. Simply choose the automation features you want based upon your business' needs and budget. From bank branches and pharmacy chains to restaurants and office parks, HAI systems offer a wealth of options for today's commercial applications. Think of an HAI controller as the brain of your automated building. Various systems are automatically controlled and monitored to maximize safety, comfort, convenience, entertainment, and energy savings. Access a multitude of facilities from anywhere in the world.



## Application spotlight

### Offices of the National Water Company, Saudi Arabia New Construction Installation

**Challenge:** Provide dependable and reliable automation with convenient control along with low cost of ownership in order to manage energy and ensure that building safety standards are enforced.

**Solution:** Installation of an HAI Omni Commercial Controller-based system for integration of safety and security with audio, lighting, and temperature while monitoring motion, heat and smoke\*.

Prior to construction, goals for energy efficiency and comfort were set. The completed facility features a system that adjusts temperature settings automatically, and adjusts/activates lights automatically based on preprogrammed logic.

Upon the detection of motion, heat or smoke, air conditioning is disabled, lighting cycles, and zone identifications are announced to allow faster response. Recorded videos are also provided by the system and distributed to multiple designated areas.

Access Control items provide various authority levels access to designated areas. All components of the system are integrated and accessible, monitored, and controlled from phone or web access to provide a whole, convenient solution from anywhere.

\*HAI Omni Commercial Controller is not UL-rated for commercial fire safety. This installation is outside the United States and thus did not require UL conformity.

## Application spotlight

### Subway Sandwich Restaurant Franchise, Nebraska USA Retrofit Installation

**Challenge:** Increase energy cost savings and ensure employee safety while providing central level remote system management from the corporate office.

**Solution:** Installation of an HAI Omni Commercial Controller-based system for integration of safety and security with temperature monitor and control capability along with motion, door, and window sensors.

An Omnistat2 thermostat is used to maximize energy savings in each the lobby and the food preparation area. This allows full control of the energy consumption of the heating/cooling system. If a customer complains of a temperature issue, the thermostat can be adjusted and then will automatically be set back to a preset point after a certain duration. This allows for happy customers and ensures a thermostat is not set to a heating/cooling point for an extended period of time. Thermostats are also automatically set to certain heat/cool points when the security is armed/disarmed to save energy when the store is not occupied.

HAI's UPB switches are used to power outdoor signage and drive-thru menu boards. Before switching to HAI for outdoor lighting, each store was required to implement a lighting timer to turn signage on and off. This required manual adjustments when the season changes or if the hours of a store for a particular day are different than normal. The controller now automatically adjusts for these scenarios. Lights activate when the sun sets or automatically shut off if the security system is armed early. If the store is closed for a holiday, the lights remain off, thus saving money.

Temperature sensors are strategically placed in the walk-in cooler and freezer to send pre-notifications in the event a malfunction is detected by a rise in temperature. This saves precious time and thousands of dollars of potentially wasted inventory.

The owner has stores that range throughout a 60 mile radius, thus traveling to each one to manage these systems had become a very expensive and time-consuming process. This is where the Dealer PC Access software came in. The owner can now make changes to temperature settings, add or remove user codes to any system, and update a lighting plan when needed. All of this can be done from the comfort of his corporate office, without ever driving a mile.





ZigBee®



## HAI supports open standards

The best thing about technology standards is they are never in shortage. Twenty-seven years of experience in the home and building automation industry teaches that. HAI designs systems that successfully implement all home and building automation standards to ensure the system is useful and functional throughout its long life. HAI's support of a wide variety of open standards allows each home or building owner to have all the automated systems they want, regardless of the limitations of one type of technology or another. HAI has long been a supporter of standards such as UPB™, X-10, Z-Wave, RS-232, TCP/IP, and ZigBee®, and will continue to evaluate and add support for new technologies each year.

In 2011 HAI's Omni-Bus Lighting Control Network product line added support for DALI (Digital Addressable Lighting Interface) and has been certified as a Golden Unit for ZigBee Smart Energy Profile 1.1. For 2012 HAI is pleased to announce support of the KNX protocol so that our customers can expand their choice of the best products and technology available for home and building automation.

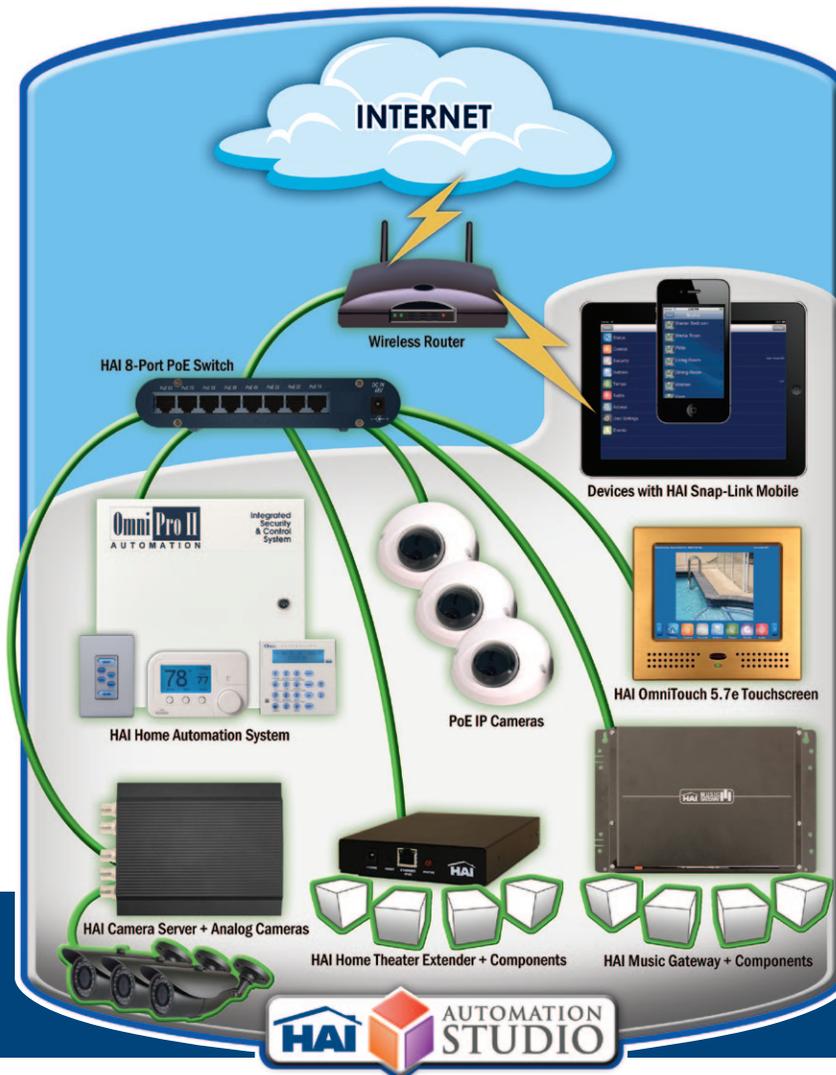
## Simplify with HAI's IP-based product suite.

HAI's family of IP-based products work together using technology that greatly benefits both dealer/installers and homeowners.

HAI's IP products bring several enhanced capabilities:

- **The use of IP cameras, access to web-based information such as traffic cameras, weather and news feeds, as well as the ability to play audio from a music library.**
- **Because IP networks use CAT-5 cable and standard routers, installation is simplified, saving time and money for dealers and homeowners.**
- **HAI's Power over Ethernet (PoE) switches eliminate wall-mounted power supplies and the extra wiring they require.**

By using HAI Automation Studio software, interfaces can be customized. Automation Studio is the set up tool for the IP devices in an HAI home automation installation. HAI Automation Studio gives HAI Dealers the power to develop a more vivid, user-



friendly graphic interface based upon the homeowner's lifestyle and interests. Add custom graphics, set up buttons that will open specific websites, include your dealer logo and contact info, and even display multiple languages.

The HAI Home Theater Extender 2 (HTX2) works with the IP-based OmniTouch 5.7e Touchscreen to control home theater equipment. Commands are received by the HTX2 which controls A/V equipment via serial ports, IR ports, and SPDT relays. Multiple HTX2s can be installed to control A/V equipment in every room.

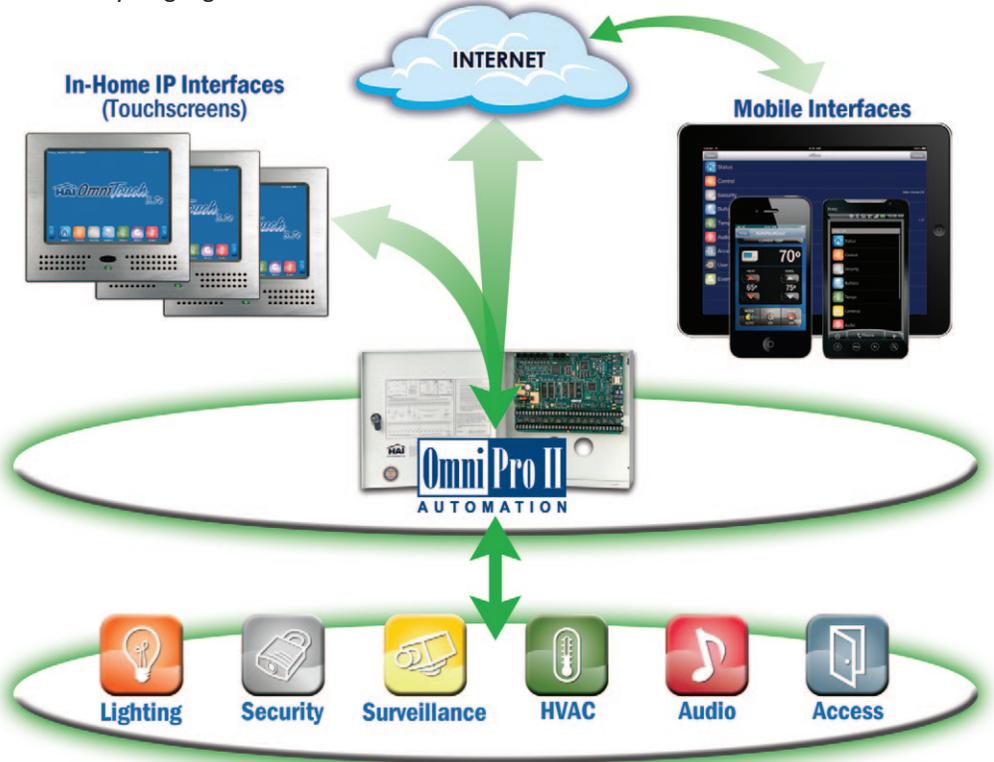
IP-based OmniTouch 5.7e Touchscreens can also view IP cameras that provide JPG or MJPG output. HAI's IP cameras can be set up with no additional hardware necessary. The HAI Camera Server allows analog cameras, such as HAI's Indoor/Outdoor Day/Night Bullet Camera, to be viewed on an OmniTouch 5.7e Touchscreen.

# *PROMO BUNDLES*



### Smarter product packages for convenience and savings

HAI has pre-packaged bundles to get you started. Promo Bundles are available for each of HAI's core home automation solutions and all of these packages can communicate with any language controller.



PROMO BUNDLES

### STEP 1 Choose a Controller & Accessories\*

#### Security Needs? Choose Omni.



Security  
Surveillance  
Energy Management  
Entertainment

HAI OmniPro II Controller for Structured Wiring	20A00-8*
Omni Console	33A00-1
Console Flush Mount Kit	33A00-3
24V 40VA Transformer	44A03-1

#### No Security Needs? Choose Lumina.



Surveillance  
Energy Management  
Entertainment

HAI Lumina Pro Energy Management Controller with Console, Transformer, and Battery	44A00-2*
Console Flush Mount Kit	33A00-3

\*Additional Omni controllers on pages 19-21. Additional Lumina controllers on page 35. Specify language code: FR (French), IT (Italian), SPE (European Spanish), SPA (Latin American Spanish), CAT (Catalan), CHT (Traditional Chinese), CHS (Simplified Chinese), GER (German), POR (Portuguese), AR (Arabic), HE (Hebrew), RU (Russian)



### STEP 2 Add-on bundles from the following pages.

**STEP 2**

Add any Promo Bundle for additional Entertainment or Energy Management.

PROMO BUNDLES



**HAI PART NUMBER: 12PromoLB**  
*Lighting Promo Bundle*

Lighting makes up a huge portion of energy expenses. This bundle provides complete control over various lighting throughout a home. Apply these control devices whether the home has an HAI home automation controller or not. Makes for a great first taste of home automation and can be expanded upon as homeowner needs grow. 110VAC only.

**INCLUDED WITH PACKAGE**



- 600W UPB™ Dimmer Switches (12) 35A00-1CS
- Auxiliary Switches (4) 37A00-1
- UPB™ Lamp Modules (2) 59A00-1
- 15A Relay Switches (4) 40A00-1
- UPB™ Split Phase Repeater (1) 39A00-2
- UPB™ Powerline Interface Module with Cable (1) 36A00-1
- UPB™ Powerline Interface Module to Computer Cable 36A05-2



**HAI PART NUMBER: 12PromoHTLB**  
*Home Theater Lighting Promo Bundle*

Some applications may call for only one room to be automated for lighting. This bundle provides just the solution for a limited automated lighting application. With three Dimmer Switches, a variety of lighting can be controlled and programmed. Control multiple lights via the Scene Switch which can be set to alter several light sources with the push of a single button. 110VAC only.



**INCLUDED WITH PACKAGE**

- 600W UPB™ Dimmer Switches (3) 35A00-1
- 600W UPB™ Non-Dimming Switch (1) 35A00-3
- Scene Switch, 6-Button (1) 38A00-1
- Scene Switch Remote (1) 38A14-1
- Table Top Scene Switch Cradle, White (1) 38A15-WH



\*iPhone not included



**HAI PART NUMBER: 12PromoDAB**  
*Distributed Audio Promo Bundle*

Featuring HAI's latest in distributed audio products, the Hi-Fi 2 and OmniTouch 5.7e are designed to be incorporated into an HAI home control system. The HAI Docks serve music from iPod and iPhone devices and offer meta-data to Touchscreens.

**INCLUDED WITH PACKAGE**

- Hi-Fi 2 by HAI, 8 Zone/8 Source Kit in Enclosure (1) 95A00-1
- HAI OmniTouch 5.7e Touchscreen, English Only (1) 53A00-2
- HAI Docks, Wireless, U.S. (2) 96A00-2
- One Port PoE Injector (1) 90A00-1



**HAI PART NUMBER: 12PromoNAVCB**  
*Network Audio/Video Control Promo Bundle*

\*Specify OmniTouch 5.7e language code: FR (French), IT (Italian), SPE (European Spanish), SPA (Latin American Spanish), CAT (Catalan), CHT (Traditional Chinese), CHS (Simplified Chinese), GER (German), POR (Portuguese), AR (Arabic), RU (Russian), HE (Hebrew)

Create a full home theater environment without adding redundant hardware or excessive installation. Can serve to automate the control of audio/video sources as well as window coverings. Also functions as a standalone system.

**INCLUDED WITH PACKAGE**

- HAI HTX2 Home Theater Extender 2 (1) 86A00-2
- HAI OmniTouch 5.7e Touchscreen, English Only (1) 53A00-2\*
- One Port PoE injector (1) 90A00-1



**HAI PART NUMBER: 12PromoEMB** ★NEW  
**Energy Management Promo Bundle**

**INCLUDED WITH PACKAGE**

30A Wireless Load Control Module (1)	73A00-3ZB
HAI MicroControl™ (1)	81A00-2WHZB
15A Plug-In Load Control Modules (2)	89A00-1ZB
Omnistat2 Multi./Ht. Pump w/Hum., Wireless (1)	RC-2000WHZB

Quickly add effective energy management to any home with this bundle that includes HAI's wireless ZigBee devices. Load control modules and the Omnistat2 thermostat all communicate with the MicroControl in this standalone system. Program settings for all connected devices from the MicroControl. Tap the MicroControl's top button to set all systems to a "green" setting for when you are away.

**OR** Skip the steps and opt for a Promo Bundle that includes an HAI Controller.



**HAI PART NUMBER: 12PromoBEMB** ★NEW  
**Building Energy Management Promo Bundle**

**INCLUDED WITH PACKAGE**

HAI Snap-Link Software (1)	1120
HAI Lumina Pro Controller in Enclosure, English (1)	44A00-2
30A Wireless Load Control Modules (4)	73A00-3ZB
ZigBee® Interface Module (1)	81A00-3WHZB
Omnistat2 Multi./Ht. Pump w/Hum., Wireless (1)	RC-2000WHZB

Optimized for commercial use, the Building Energy Management Bundle includes a variety of wireless control working in tandem with an HAI Lumina Pro controller. Log into the controller with Snap-Link from anywhere an Internet connection is available to monitor and control settings for lighting and HVAC systems.



**HAI PART NUMBER: 12INTLLB** ★NEW  
**Omni-Bus Standalone International Lighting Bundle**

**INCLUDED WITH PACKAGE**

Lumina-Choose Enclosure <i>OR</i> Backplate**	44A00-1/-3
Lumina International Keypad (1)	33A00-25
Serial Cable (1)	36A05-2
Omni-Bus Dimmer Modules (4)	110A00-1
Omni-Bus 2-Button Wall Switches-White (2)	113A00-3
Omni-Bus Interface Translator Module (1)	117A00-1
Omni-Bus Splitter Box 8-Way Module (1)	120A00-1
Omni-Bus Jumper Plugs (10)	121A00-1
Omni-Bus Termination Plug (1)	122A00-1
Omni-Bus Power Supply 2.5A Module (1)	123A00-1
Omni-Bus Power Supply Interface 2A Module (1)	124A00-1



**HAI PART NUMBER: 12INTLOB** ★NEW  
**Omni-Bus International Lighting Bundle**

**INCLUDED WITH PACKAGE**

Omni-Bus Dimmer Modules (4)	110A00-1
Omni-Bus 2-Button Wall Switches-White (2)	113A00-3
Omni-Bus USB Programming Interface Unit (1)	116A00-1
Omni-Bus Splitter Box 8-Way Module (1)	120A00-1
Omni-Bus Jumper Plugs (10)	121A00-1
Omni-Bus Termination Plug (1)	122A00-1
Omni-Bus Power Supply 2.5A Module (1)	123A00-1
Omni-Bus Power Supply Interface 2A Module (1)	124A00-1
Omni-Bus Scene Control Module (1)	126A00-1

\*\*12INTLLB available in languages listed on page 35. Lumina controller part similar to 44A00-1/-3, includes controller only.



# ***SAFETY & SECURITY***





## Ensure the Safety of Your Family and Property

An Omni home control system takes the place of a standard security system. It features built-in UL Listed, CP-01 compliant security and fire systems to detect intrusion, smoke and fire, carbon monoxide, water and other hazards through wired and wireless sensors. It provides the ultimate in safety for your family with features not found in a standard security system such as inside and outside lights turning on in the event of a security alarm, or the air conditioner automatically turning off in the event of a fire to prevent the spreading of smoke throughout the home.

Call or go online to check or change security, temperature, or lighting settings. Personalize your automation system to notify you by telephone, e-mail, Internet surveillance, or central monitoring of an alarm event. For instance, your Omni system can call you when the children have returned home from school. Back-up battery resources ensure security remains active even during a power loss.

HAI's Surveillance products let you view and record video of events at your home. Also consider HAI's Access Control products for limiting gate or pool access and adding the convenience of automation and security activated by the simple swipe of a card. Security features of the Omni system also act as the eyes and ears of your home to initiate other automation functions, such as lighting scenes or audio/video changes based on motion or door openings.

2011 brought significant upgrades to the firmware of each Omni controller by adding support for ZigBee units and thermostats, added support for CoolMaster, and added Extended Setup storage settings for room grouping and configuration of IP devices such as HAI Dock, HAI Music Gateway, and IP surveillance cameras. HAI controllers now support select wireless locks. Contact HAI for specific manufacturer compatibility.



**The OmniPro II is HAI's flagship integrated control, security, and fire system, designed for large homes.**



**The commercial grade HAI OmniPro II control and security system is UL Listed specifically for commercial applications.**



**The ideal HAI control system for securing and automating mid-size homes.**



**The economical choice for securing and automating homes, condos, apartments, and townhouses.**

**SPECIFICATIONS****HAI Controllers**

HAI Lighting/Rooms	31	31	8	2
Lighting Scenes	128	128	64	16
Lighting Addresses	256	256	64	16
Zones	16	16	16	8
Zone Expansion Total	176	176	48	24
2 Wire Smoke Loops	4	4	4	1
4 Wire Smoke Loops	176	176	48	24
Thermostats	64	64	4	2
*Consoles (Keypads)	16	16	8	4
OmniTouch 5.7 Touchscreens	15***	15***	7***	3**
OmniTouch 5.7e/OmniTouch Pro Touchscreens	16	16	16	0
12 Volt Triggers (w/ expansions)	8 (136)	8 (136)	8 (8)	2 (10)
Audio Control	Hi-Fi 2/Conn.Prtnrs	Hi-Fi 2/Conn.Prtnrs	Hi-Fi 2	Hi-Fi 2
Audio Zones	16/36	16/36	8	8
Access Control Card Readers	16	16	4	0
Access Control Card/Keytag	99	99	16	0
Serial Ports	5	5	5	1
Serial Expansion Total	6	6	6	2
Ethernet Port	Yes	Yes	Yes	No
Flash Memory	Yes	Yes	Yes	No
User Codes	99	99	16	8
Programming Lines	1500	1500	500	100
Vocabulary	550	550	550	195
Custom Vocabulary	Yes	Yes	No	No
Depluggable Terminal Strips	Yes	Yes	Yes	No
Format	Contact ID, 4/2,3/1	Contact ID, 4/2,3/1	Contact ID, 4/2,3/1	Contact ID, 4/2,3/1
Transformer Required	24V (40VA)	24V (40VA)	24V (40VA)	16.5V (40VA)
Battery (Typical)	12V (7 Ah)	12V (7 Ah)	12V (7 Ah)	12V (7 Ah)
Aux Current Max	1A	1A	1A	500mA
Bell Current Max	1A	1A	1A	1A
Aux Current (UL 24hr.)	250mA	250mA	250mA	200mA
Bell Current (UL 24hr.)	300mA	300mA	300mA	350mA
Total Expansion Boards (10A06-1)	2	2	2	0
Total Expansion Enclosures (17A00-X)	8	8	0	0
Total Expansion Boards (22A00-1)	0	0	0	1
****Total 64-Zone Wireless Receivers (45A00-1/42A00-2)	8	8	1	1
110V/220V/240V	Yes	Yes	Yes	Yes
*UL Listing	Res. Burglar/Fire	Comm. Burglar	Res. Burglar/Fire	Res. Burglar/Fire
Warranty	3 years	3 years	2 years	2 years

\* Systems must have one console to meet UL requirements.

\*\* Recommend 32A30 Touchscreen Hub for two or more OmniTouch 5.7 Touchscreens.

\*\*\* Recommend 32A30 Touchscreen Hub for three or more OmniTouch 5.7 Touchscreens.

\*\*\*\* Wireless Receivers can support 64 transmitters and can report to 16, 32, 48, or 64 zones depending on your setup. Each group of 16 zones counts as one Expansion Enclosure.



HAI's family of Omni controllers are available in multiple languages for our international customers.

[www.hai-international.com](http://www.hai-international.com)



**OmniPro II Controller**

20A00-2

The flagship HAI home automation controller. Includes the OmniPro II controller with enclosure, lock set with two keys, RJ31X cord and jack, manuals. Part 20A00-2 is English language. For other available languages add language code to part number: **Latin American Spanish (SPA)**



**OmniPro II Controller for Structured Wiring Enclosure**

20A00-8

OmniPro II controller on mounting plate for structured wiring enclosures, RJ31X cord and jack, manuals, accessory kit, wiring diagram for enclosure door. Part 20A00-8 is English language. For other available languages add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), German (GER), Portuguese (POR), Arabic (AR), Hebrew (HE), Russian (RU)**



**OmniPro II - Board Only**

20A00-21

OmniPro II controller board only. Part 20A00-21 is English language. For other available languages, add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), German (GER), Portuguese (POR), Arabic (AR), Hebrew (HE), Russian (RU)**



**Omni Commercial Controller**

20A00-5

OmniPro II controller with commercial attack-proof enclosure, lock set with two keys, RJ31X cord and jack, manuals.



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**“Over the years we have found that the product is dependable, scalable, meets our clients’ needs and price points, and is simple for the end user to control.”**  
*Fox Home Solutions, Inc. - Goose Creek, South Carolina USA*



### Omni IIe Controller

20A00-50

Omni IIe controller with enclosure, lock set with two keys, RJ31X cord and jack, manuals.



### Omni IIe Controller for Structured Wiring Enclosures

20A00-52

Omni IIe controller on mounting plate for structured wiring enclosures, RJ31X cord and jack, manuals, accessory kit, wiring diagram for enclosure door. Part 20A00-52 is English language. For other available languages add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), German (GER), Portuguese (POR), Arabic (AR), Hebrew (HE), Russian (RU)**



### Omni IIe - Board Only

20A00-53

Omni IIe controller board only. Part 20A00-53 is English language. For other available languages add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), German (GER), Portuguese (POR), Arabic (AR), Hebrew (HE), Russian (RU)**



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## HAI Alarm Panel and Telephone Backup Device

### Cellular Communication Center (C3)

70A00-1

HAI's wireless cellular communicator allows phone calls to be made over the GSM cellular network using the existing telephones in your home. The C3 can be used when there is no land line in your home or the land line is temporarily unavailable.

- No programming required!
- Quad Band GSM 850/900/1800/1900MHz
- Functions as either primary or backup phone service
- Monitors land line and switches to cellular if land line is down
- Full telephone line (PSTN) simulation
- Use where land lines are not present
- When tied to a security system, reports to central monitoring station
- Station can call homeowners via the C3 to verify alarm condition
- Supports prepaid GSM SIM cards
- Built-in battery charger automatically charges backup battery
- Full 2W power and remote antenna for superior call quality



Works with most standard security panels!

MORE ONLINE: [www.homeauto.com/info/c3](http://www.homeauto.com/info/c3)



**Omni LT Kit with Surface Console, Case of 6**

Promo9CS

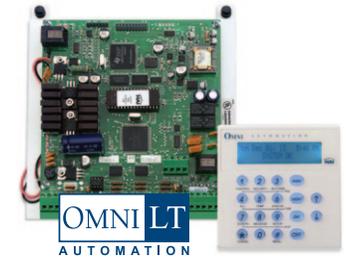
Omni LT controller in enclosure. Includes surface mount console (33A00-1), RJ31X jack & cable, manuals, and accessory kit.



**Omni LT Kit for Structured Wiring Enclosures, Case of 6**

Promo9SCS

Omni LT controller on mounting plate for installation in structured wiring enclosures. Includes surface mount console (33A00-1), manuals, and accessory kit.



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**Omni LT Controller**

21A00-1

Omni LT controller with enclosure, RJ31X jack and cable, manuals, and accessory kit.



**Omni LT Controller for Structured Wiring Enclosures**

21A00-11

Omni LT controller on mounting plate for installation in structured wiring enclosures, RJ31X jack and cable, manuals, accessory kit, and wiring label for enclosure door. Part 21A00-11 is English language. For other available languages add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT)**



**Omni LT - Board Only**

21A00-2

Omni LT controller board only. Part 21A00-2 is English language. For other available languages, add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT)**





**16 Zone Hardwire Expander**

**10A06-1**

Terminals are provided for 16 additional zones that can be programmed for burglary, fire, temperature or auxiliary inputs (for use with all HAI home controllers except Omni LT).



**Expansion Enclosure**

**17A00-1**

16 Input/16 Output Expansion Board with enclosure, lock set with two keys, accessory kit, instructions. Reduces wiring use in larger installations (for OmniPro II, Lumina Pro).



**16 Zone/16 Output Expansion**

**17A00-9**

16 Zone Input/16 Output Expansion Board on a universal mounting plate with accessory kit, instructions for installation in structured wiring enclosures (for OmniPro II, Lumina Pro).



**Expansion Board Only**

**17A00-8**

16 Input/16 Output Expansion Board only (for OmniPro II, Lumina Pro).



**Omni LT Demo Adapter Kit**

**27A00-2**

Demo adapter board, instructions. For Omni LT controller.



**Omni LT Expansion Module**

**22A00-1**

This module expands the Omni LT by adding 16 zones and 8 voltage outputs with overload protection and reset. The module comes with mounting hardware and cable to attach to the Omni LT home control system. The 16 zones can be programmed for burglary, temperature, or auxiliary inputs. The 8 outputs have individual overload protection, with overload indicator and reset button (for use with Omni LT only).



**Mounting Plate for Omni LT**

**21A07-2**

Mounting plate, hardware kit & instructions. Used to mount Omni LT controllers for installation in structured wiring enclosures (for use with Omni LT only).



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- Omni Console*
- Omni Console (Case of 12)*
- Omni Console with Built-in Speaker/Microphone*
- International Market Omni Console*
- International Market Omni Console with Built-in Speaker/Microphone*

- 33A00-1**
- 33A00-1CS**
- 33A00-4**
- 33A00-23**
- 33A00-24**



Cool blue LCD surface mount console, connector kit, instructions. Controls security, lighting, temperatures, buttons, events, setup and other functions. International versions feature easy to understand symbols rather than text. Parts 33A00-4 and -24 require the Two-Way Voice Module (HAI part #10A11-1). See special wiring instructions in wiring section.



**Flush Mount Kit**

**33A00-3**

White flush mount back box for use with 33A00-1, 33A00-4, 33A00-19, 33A00-20, 33A00-23, 33A00-24, 33A00-25, and 33A00-26 consoles and keypads (not included). Includes mounting bracket, instructions.



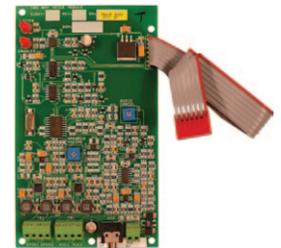
\*Console not included.



**Two-Way Voice Module**

**10A11-1**

Talk or listen through the telephone interface either locally or remotely. Have your system announce messages based on events in the house. For example, "guest at door" or "back door open". Includes two-way voice board, mounting material, and instructions. Use with the 33A00-4 or 33A00-24 consoles, 33A00-20 keypad, 28A00-1 Surface Speaker/Mic, or 28A00-2 Flush Speaker/Mic.



**Telephone Access Kit**

**44A01-1**

RJ31X cord and jack. Allows access and control of all Lumina and Lumina Pro system functions over the phone. It also enables the system to call up to eight different phone numbers for notification of programmed events at home. Lumina family only. Omni family has telephone access built-in.



**Surface Speaker Microphone  
Flush Speaker Microphone**

**28A00-1  
28A00-2**

A speaker and microphone assembly that allows two-way communication with a central station after an alarm, paging and listening from an on-premises or remote phone, annunciation of alarm and zone by voice, and voice messaging when connected to a Two-Way Voice Module (HAI part #10A11-1). Includes speaker and microphone, surface mount enclosure, instructions.



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**Universal Mounting Plate**

**20A07-2**

Mounting plate, hardware kit & instructions. Used to mount HAI's Omni, Lumina, and Hi-Fi 2 main board assemblies, expanders, and accessories for installation in structured wiring enclosures.



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**RS-232/RS-485 Serial Board**

**10A17-1**

Allows an HAI controller to be connected to a personal computer or other system to exchange data and commands. The controller can be accessed continuously and in real time through the interface without affecting the operation of the controller. Includes RS-232/485 serial board, accessory kit, 20 pin cable, instructions.



**Four Relay Module  
Eight Relay Module**

**10A07-1  
19A00-1**

Relay Modules are used to convert HAI voltage outputs to Form C relay contacts for switching pumps, motors, commercial lighting, remote control breakers, and sprinkler systems.



**Enclosure Lock and Two Keys**

**21A06-1**

Lock for enclosure and pair of matching keys. Included with 17A00-1 and 95A09-1.



**12V 5AH Battery**

**44A02-1**

Replacement battery for Lumina controllers. For Omni installations, HAI strongly recommends the use of a 7AH battery.



**24V 40VA Transformer**

**44A03-1**

Replacement transformer for Omni (excluding LT) and Lumina controllers.





**KNX Gateway**

97A00-1

The HAI KNX Gateway allows Omni and Lumina controllers (Omni Ile, OmniPro II, Lumina, and Lumina Pro) to communicate with and control KNX devices installed on the network. Lighting, temperature and energy management, and motors (window coverings, shades, shutters, etc.) are among the many KNX devices that can be controlled from an HAI interface or via controller programming.



**OmniPro II Upgrade**  
20A04-2UPG



**Chip Upgrades**

20A04-chipcodeUPG

EPROM chip upgrade with installation instructions (for the latest version). Not required for flash updatable controllers. Specify chip part number suffix when ordering.



**Spanish OmniPro II Upgrade**  
20A04-42UPG



**Omni Ile Upgrade**  
20A04-50UPG



**Omni LT Upgrade**  
21A03-1UPG



**Omni II Upgrade**  
20A04-1UPG



**Lumina Pro Upgrade**  
20A04-22UPG



**Lumina Upgrade**  
20A04-21UPG



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**Serial PC Cable**

21A05-2

7 foot cable, modular to DB-9F - connects controller serial ports to computer RS-232 serial port for use with PC Access, Web-Link II, Home Control for Windows® Media Center, and other HAI Connectivity Partners.



**UPB™ Powerline Interface Module to Computer Cable** 36A05-2

7-foot cable, modular to DB-9F—connects HAI UPB™ Powerline Interface Module to computer RS-232 serial port for use with UPStart software. UPStart may be downloaded for free from www.homeauto.com. Also used for HAI Connectivity Partners, as directed.



**Serial Connectivity Cable**

36A05-4

7-foot cable, modular to DB-9M - connects controller to serial ports for Russound, NuVo, RadioRA, Centralite, Jandy, and other HAI Connectivity Partners.



**HAI Serial Server**

93A00-1

RS232/RS485 to TCP/IP converter integrated with a robust system and network management features designed for serial equipment to be accessed and controlled via Intranet or Internet. Used to access the NuVo Grand Concerto on an OmniTouch 5.7e Touchscreen.





**64-Zone Wireless Receiver**

**45A00-1**

433 MHz for use in domestic and international installations. Allows up to 64 unique wireless security transmitters to report information to an HAI controller. The wireless transmitters replace wired door and window sensors, as well as wired, motion and glassbreak detectors. Includes Receiver Signal Strength Indicator (RSSI) capability, indicating signal strength of the transmitter as good, fair, or poor. That information is stored in the HAI home control system and can be accessed from any HAI console, OmniTouch Touchscreens or PC Access. This information is important to an installer to ensure optimum placement and performance of the transmitters and receivers.



**Glass Break**

**61A00-1**

The 61A00-1 Wireless Glassbreak Detector is an omnidirectional acoustic sensor and wireless transmitter. It is used for detecting the sound of breaking glass, providing 360° of coverage. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses a CR23A lithium ion battery, included.



**PIR Motion Detector**

**47A00-2**

Quad element detector reduces false alarms. 33lbs. and 55lbs. pet immune settings. 30'x 50' coverage. 3-year battery life. Includes quad motion detector with wall and ceiling mount hardware, wide-angle lens, battery, instructions. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR123A lithium ion battery, included.



**Four-Button Wireless Keypad**

**69A00-1**

May be programmed to control any HAI Omni or Lumina home control system feature, such as lights, temperatures, macros, and the security features of an Omni family home control system. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR2032 lithium ion battery, included.



**Four-Button Keyfob**

**48A00-1**

Can be programmed to control any HAI controller feature, such as lights, temperatures, macros, and security. Includes instructions. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR2025 lithium ion battery, included.



**Panic/Alert Pendant**

**50A00-1**

Can trigger outgoing phone calls to up to 8 different numbers, an e-mail notification, or video surveillance recording. Includes Panic/Alert pendant with lanyard, battery, and instructions. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Some features may require additional equipment. Uses CR2032 lithium battery, included.





**Wireless Driveway Sensor**

63A00-1

No digging or underground cable required. Uses earth's magnetic field to detect moving vehicles. Activate lighting, video surveillance, and more when a vehicle is detected in a driveway or parking area. Magnetic sensing range of 12 feet with three sensitivity modes for precise installation. Two unique mounting options including stake or post/wall mount. Operates in temperatures between -20–120°F. Requires an HAI 64-Zone Wireless Receiver (HAI part #45A00-1). Uses two C-cell alkaline batteries, included.



**Door/Window Transmitter**

46A00-1

3 Zone Door/Window Transmitter with a mercury tilt switch for garage doors. Includes Door/Window 3 Zone transmitter with tilt switch, magnet, mounting hardware, battery, instructions. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR123A lithium ion battery, included.



**Mini Contact**

58A00-1

The 58A00-1 Mini Door/Window Transmitter is a miniature (1.7"H x 1"W x .65"D) supervised wireless transmitter that comes with a case tamper switch, wall tamper switch, and a replaceable Lithium battery. The 58A00-1 is a single zone miniature version of the existing 46A00-1 Three Zone Door/Window Transmitter. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR2450N lithium ion battery, included.



**Vanishing Contact**

57A00-1

The 57A00-1 Vanishing Door/Window Transmitter is an ultra-thin (1.5"H x 1"W x .38"D) supervised wireless contact. It has beveled edges that vanish into any décor. It also features a bypass button that allows you to manually bypass the transmitter, which automatically restores when the magnet is replaced. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR2032 lithium ion battery, included.



**Wireless Recessed Door Contact**

56A00-1

This recessed supervised wireless transmitter is used for the protection of doors and windows in installations where the contact must be totally hidden. The transmitter is concealed within the door or window frame for virtual transparency. It is supplied with a replaceable lithium battery that lasts for 5 years under normal conditions. Requires an HAI 64 Zone Wireless Receiver (HAI part #45A00-1). Uses CR23V lithium ion battery, included.



**Wireless Receiver for GE InterLogix**

42A00-2

64 Zone wireless receiver, with LED display for GE/ITI/Caddx transmitters. Works only with GE compatible sensors, not HAI Wireless Products.





## HAI Surveillance: seeing is believing

Imagine being able to confirm the security and safety of your home in an instant. When the front door bell rings or motion is detected in the pool area, the video feed can appear on a Touchscreen or TV in your home. View surveillance video of the front door, nursery, or driveway. On vacation and concerned about the safety of your home? Want to check up on children, elderly relatives, or pets from your office? HAI's surveillance video may be viewed remotely on a Smartphone/PDA, or via Snap-Link on any Internet-connected computer in the world.

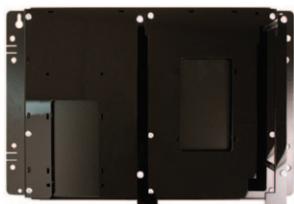
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### HAI Camera Server

87A00-1

View cameras on HAI's OmniTouch 5.7e Touchscreen, a handheld mobile device, or via the Internet for remote monitoring. Converts analog camera video to IP output. View surveillance video via mobile device or PC. High quality encoding up to 640x480 resolution. Operates standalone or with an HAI home control system. Features PTZ and audio support.



### Universal Mounting Kit for HAI Camera Server

87A04-1

Includes hardware kit, and instructions. Used to mount HAI Camera Server (87A00-1, sold separately) for installation in structured wiring enclosures.



### Universal Mounting Plate Assembly for HAI Camera Server

87A04-2

Camera Power Supply mounted on backplate. Includes hardware to mount HAI Camera Server (87A00-1, sold separately) for installation in structured wiring enclosures.



### Indoor/Outdoor Mini Dome IP Camera

68A11-1

1.3 mega pixel camera capable of serving real-time streaming video to various devices. Records to internal Micro SD card (not included) and/or PC when accessing via the built-in web browser. Send email alerts with attached still images when it detects motion. HD 720p real-time dual streaming, simultaneous H.264 and MJPEG compression; framerate: H.264 30fps@720p; MJPEG 30fps@720p; 1/3" Sony Progressive Scan CMOS sensor; digital zoom; 0.03 Lux (color), 0.001 Lux (B/W); motion detection, Micro SD support; Power over Ethernet (PoE); weatherproof (IP66).





**Indoor/Outdoor Day/Night Bullet Camera**

**68A02-2** COMMERCE

1/3" Sony Super-HAD CCD; 3.8-9.5mm auto iris vari-focal lens; 560 TV lines; NTSC; 0 Lux under IR illumination; true day/night functionality with IR Cut Filter; 36 IR LEDs for night vision (up to 95 ft IR range); bracket mount with pan, tilt, and rotation adjustments (wire feed-through); sun shield included; 12VDC; power supply required, not included.



**Indoor/Outdoor Day/Night Dome Camera**

**68A01-1** COMMERCE

1/3" Sony Super-HAD CCD; 3.7-12mm auto iris lens; 420 TV lines; NTSC; 0 Lux under IR illumination; water resistance IP 66 protection; wide range viewing 3D covert bracket design; 12VDC/24VAC dual voltage; easy installation with attached cap design with anti-scratch cover coating; compact size; power supply required, not included.



**Touchscreen Hub Replacement Power Supply**

**106080**

Switching power supply brick for use with Touchscreen Hub.



**Video Encoder**

**32A32-1**

Supports full VGA for enhanced OmniTouch 5.7. Backward compatible with earlier OmniTouch 5.7. Required for an OmniTouch 5.7 in order to display video. Mounts on the Touchscreen Hub. Digitizes video signals from cameras for sending to an OmniTouch with video or OmniTouch 5.7. Includes video encoder circuit board with connector and instructions.



**Video Touchscreen Hub - with Enclosure**

**32A30-1**

**Video Touchscreen Hub - for Structured Wiring Enclosure**

**32A30-2**

**No Video Touchscreen Hub - with Enclosure**

**32A30-3**

**No Video Touchscreen Hub - for Structured Wiring Enclosure**

**32A30-4**

**Touchscreen Hub Board Only**

**32A31-2**



32A30-1 includes Touchscreen Hub with Video Encoder in enclosure with power supply and instructions for OmniTouch 5.7.

32A30-2 includes Touchscreen Hub with Video Encoder on Universal Mounting Plate, power supply, and instructions for OmniTouch 5.7.

32A30-3 includes Touchscreen Hub in enclosure, power supply, and instructions. Provides 24V power to eight HAI OmniTouch 5.7 Touchscreens. Connectors for two rechargeable 12V batteries (not included) for battery backup for OmniTouch 5.7.

32A30-4 includes Touchscreen Hub on Universal Mounting Plate, power supply, and instructions for OmniTouch 5.7.



**32A31-2 (Board Only)**





## HAI Access Control: total control

Proximity card reader and accessories connect to an HAI home control system for complete access control. Popular uses of HAI's access control include restricting access to outbuildings, home gyms, theaters, cellars, and pools. Simplified wiring makes for efficient residential or small commercial use. Everything between the controller and the readers—including power—goes over a single four-conductor or CAT-5 cable.

The reader incorporates an input for a push-to-exit button and an output for an electric door strike or magnetic lock. It can be mounted to a door frame (mullion) or to any flat wall surface. The two-color LEDs (green and red) and Piezo sounder on the reader can be customized to provide individual feedback to the user.

Each card is attached to a user code in the HAI Omni or Lumina family controller which can be managed with specific privileges. Users can be granted privileges based on time and date, and access can be restricted to specific readers. Each swipe can perform as many actions as desired and these results can be customized by time of day, arming condition, or any other event the HAI home control system is monitoring. All car or keytag actions can also be customized for each user. HAI Access Control cards can be tied in to any home automation functions that the HAI Omni or Lumina family controller is capable of including lighting, energy management, surveillance, and audio.

HAI also makes intercom technology available using VoIP on the OmniTouch 5.7e Touchscreen. Communicate from a Touchscreen to a door station to see guests, speak to them on camera, and grant them access.



**Access Control Card Reader**

**75A00-1**



125 KHz high security, digitally encrypted, 26-Bit proximity card reader that connects to a serial port on an HAI Home Control System. The reader has durable and scratch resistant polycarbonate housing. Full epoxy potting ensures successful operation even in harsh environments. The 75A00-1 can be mounted to metal door frame (mullion) or to any flat wall surface. Two-color LED (green and red) and Piezo sounder guarantee accurate reliable door access operations.



**Access Control Keypad**

**54A00-1**



Weatherproof and vandal resistant piezoelectric keypad designed to interface with HAI home controllers. Buttons work simply by tapping the surface. Sleek keys of the outdoor keypad can be operated with a bare finger or a snow-covered glove. Stainless steel outdoor keypad, cable assembly, instructions. Connects via serial port on HAI controller (does not use console/keypad port on console bus).





**One-Button VoIP Door Station with Camera**

**913 7111 CE**

This product is made available through an HAI reselling partnership with 2N Telecommunications. 2N Helios VoIP video intercom door station for single-family residential installation. Press the button and it calls IP Touchscreens in the home allowing homeowners to both speak with and see the guest. Connects to the home's Ethernet network; Power over Ethernet (PoE); VoIP SIP protocol, integrated web server; streaming video; water resistant.



**Access Control Card, Pack of 10**

**78A00-1**

125 KHz credit card size 1.7mm thick high security proximity card with fully encrypted format stored on the card. Thin, flexible, and light enough to be carried in a purse or wallet. Preprogrammed at the factory with a unique encryption code. Provides a read range up to 4”.



**Access Control Key Tag, Pack of 10**

**78A00-2**

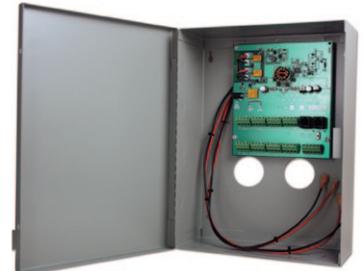
Very small (only 4 grams) 125 KHz high security digitally encrypted proximity key tag. Hole for a key ring or chain. Pre-programmed at the factory with a unique encryption code. Small and durable enough to fit on a key ring. Provides a read range up to 2”.



**Power Hub in Enclosure**  
**Power Hub for Structured Wiring Enclosures**

**83A00-1**  
**83A00-2**

General purpose 12VDC power supply mounted in enclosure (83A00-1). Designed to provide power to several HAI products, including HAI Access Control Readers with electric or magnetic locks, Omni consoles, OmniTouch 5.7 Touchscreens, and many other devices. The HAI Power Hub provides battery backed power for connected devices. Convenient connections and power terminals for a neat installation. Designed to eliminate unsightly transformers, power strips, external power supplies, battery backup units, and complex wiring normally associated with access control installations. Up to five (5) Amps total; Connectors for 2 sealed batteries, 12V@4-8Ah each (not supplied); Power for 8 HAI Access Control Readers (75A00-1, with electric and magnetic locks) OR eight Omni Consoles and/or OmniTouch 5.7 Touchscreens OR four HAI Access Control Readers (75A00-1, with electric and magnetic locks) and four Omni Consoles and/or OmniTouch 5.7 Touchscreens.



**12VDC Electric Door Strike (Fail Secure)**

**79A00-1**

When used with 75A00-1 Access Control Reader, this door strike securely locks and unlocks a door without the need of a key. Allows the door to be locked when closed, but can be automatically unlocked by the system, or manually unlocked with a key. 12VDC Fail-Secure device, which means the door unlocks when power is connected (i.e. the door is locked when power fails).



SAFETY & SECURITY



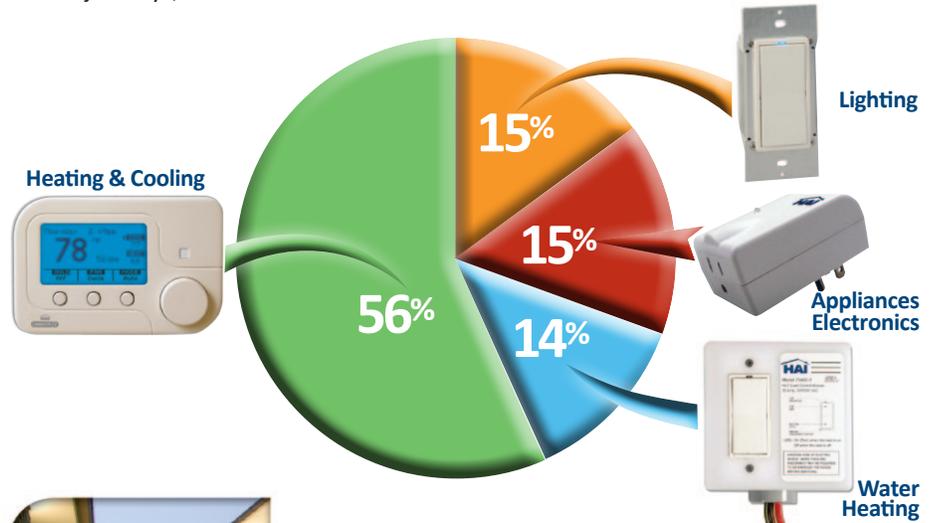
# ***ENERGY MANAGEMENT***





## Cover 100% of Your Energy Management Needs

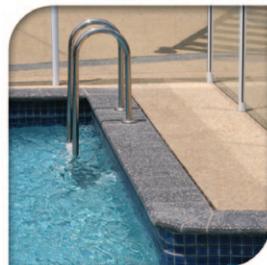
HAI products make your home more energy efficient. Save energy in each category of consumption. According to the U.S. Department of Energy, home energy is consumed in four major ways, all of which can be monitored and controlled via HAI.



The Lumina family of home control systems' primary focus is to save money with sophisticated lighting and temperature control. Add surveillance video and intercom for safety.



When used with an HAI home control system, the HAI Omnistat2 programmable communicating thermostats and HAI Load Control Modules add energy efficiency to your home by adjusting temperatures, lamps, and appliances based on activity such as home or away.



Your HAI home control system can turn off lights, water heaters and pool pumps when the house is unoccupied. Additionally, you can control ceiling and ventilation fans for comfort and energy efficiency.



HAI's home control systems provide remote access via telephone and Internet, so you may monitor and adjust the temperature or lighting levels of your home anytime.

ENERGY MANAGEMENT



## HAI Lumina Energy Management Systems

The Lumina Pro and Lumina home control systems provide comprehensive home automation like the Omni family systems. Lumina systems are primarily intended as lighting control and energy management systems. Lumina systems do not include a security system but can easily tie into a supported security system if desired.

**Away:** Lights and temperatures adjust for energy savings.

**Sleep:** Dimly lit pathway lights to bathroom or kitchen; all others off.

**Home:** Lights in main areas set to desired brightness.



**Vacation:** Lights change periodically for a lived-in look.

**Special:** Create a unique scene based on occasion.

**Party:** Landscape and indoor lighting set beautifully.

### SPECIFICATIONS

#### Lumina Control Systems



	Lumina PRO	Lumina by HAI	Lumina PRO
Rooms	31	8	31
Loads (lights)	256	64	256
House Status Switches	31	8	31
Max Keypads	16	8	16
* Max OmniTouch 5.7	15	7	15
Max OmniTouch 5.7e	16	16	16
Thermostats	64	4	64
Access Control Card Readers	16	4	16
Access Control Card/Key Tag	99	16	99
Audio Control	Hi-Fi 2/Conn Ptnrs	Hi-Fi 2	Hi-Fi 2/Conn Ptnrs
Audio Zones	16/36	8	16/36
Flash Memory	Yes	Yes	Yes
Inputs (with expansion)	16 (176)	16 (48)	16 (176)
Multipurpose Outputs (with expansion)	10 (136)	10	10 (136)
Ethernet Port	Yes	Yes	Yes
** Serial Ports (w/ expansion)	5 (6)	5 (6)	5 (6)
Programming Lines	1500	500	1500
Vocabulary	550	550	550
Customizable Vocabulary	Yes	No	Yes
Depluggable Terminal Strips	Yes	Yes	Yes
16 Zone Hardwire Expanders (10A06-1) Supported	2	2	2
Expansion Enclosures (17A00-X) Supported	8	0	8
*** 64 Zone Wireless Receivers (45A00-1 or 42A00-2) Supported	2	1	2
UL Listed	Yes	Yes	Yes
Warranty	3 Years	2 years	3 Years

\* Each OmniTouch 5.7 Touchscreen uses one keypad address. Recommend 32A30 Touchscreen Hub for 3 or more OmniTouch 5.7 Touchscreens.

\*\* One serial port used for UPB™ Powerline Interface Module.

\*\*\* Wireless Receivers can support 64 Transmitters and can report to 16, 32, 48, or 64 zones, depending upon your setup. Each group of 16 zones counts as one expansion enclosure.

ENERGY MANAGEMENT



**Lumina Pro Controller, In Enclosure**  
**Lumina Pro Controller, On Backplate**

**44A00-2**  
**44A00-4**

Supports 31 rooms (256 lighting loads). Includes Ethernet port, controller in enclosure with lock & keys, LCD keypad, UPB™ Powerline Interface Module & cable, phase coupler, serial cable, transformer & battery, manuals, and accessories.

COM  
MER  
STAL



**Lumina Controller, In Enclosure**  
**Lumina Controller, On Backplate**

**44A00-1**  
**44A00-3**

Supports 8 rooms (64 lighting loads). Includes Ethernet port, controller in enclosure with lock & keys, LCD keypad, UPB™ Powerline Interface Module & cable, phase coupler, serial cable, transformer & battery, manuals, and accessories. *Foreign language versions available only in Promo Bundle 12INTLLB which includes a Lumina controller without above accessories.*

COM  
MER  
STAL



**Lumina Pro International, In Enclosure**  
**Lumina Pro International, for Structured Wiring**

**44A00-22**  
**44A00-23**

Lumina Pro in enclosure with lock & keys *OR* on a backplate for structured wiring. Includes Lumina International Keypad, serial cable, manuals, and accessories. Does not include battery, transformer, PIM, or phase coupler. For other available languages add language code to part number: *Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), German (GER), Portuguese (POR), Arabic (AR), Hebrew (HE), Russian (RU)*

COM  
MER  
STAL



**Lumina Mode Switch**

**38A00-3**

This six-button keypad allows you to press one button—Sleep, Home, Vacation, Away, Party, or Special—to initiate a program for preset lights, temperature, and audio for the entire home. White bezel standard. Color Change Kit available. Grey wallplate shown, not included. Uses standard Decora-style wallplate. Lumina family only.



**Lumina Keypad**  
**Lumina Keypad w/Built-in Speaker/Microphone**  
**International Market Lumina Keypad**  
**International Market Lumina Keypad w/Speaker/Mic**

**33A00-19**  
**33A00-20**  
**33A00-25**  
**33A00-26**

Allows set up, programming and control of the Lumina and Lumina Pro system. LCD surface mount keypad, silk screened front, connector kit, instructions. International versions feature easy to understand icons rather than text. Two-Way Voice Module required for 33A00-20 and -26. See special wiring instructions in wiring section.





NORTH AMERICAN LIGHTING CONTROLS

HAI lighting control™



Dim lights as movie begins, using the convenient remote control.



Set the mood for entertaining.



Front door and driveway lights come on at dusk and turn off at a set time to save energy.



Expansion is easy! Add a table lamp or small appliance with a plug-in module.

## HAI Lighting Control Systems

The HAI Lighting Control (HLC) product line is designed for 110VAC applications and includes dimmers, switches, remote controls, and plug-in modules. HLC can operate stand-alone or with an Omni or Lumina controller. You can enhance the enjoyment and value of your home, add security for peace of mind, and contribute to savings on your energy bill all at once with HLC.

HLC can automatically set lights to any percentage, saving you money every time a light is turned on. In addition to controlling conventional bulbs, HAI now controls new high efficiency incandescent as well as dimmable LED and CFL, for scene setting, energy savings, and security.

### No Need to Re-Wire

HAI sells thousands of HLC devices per month because they are reliable, full featured and cost effective. HLC technology is ideal for custom homes and small commercial because of its long range, ease of use, custom labeling and decorator colors. HAI's Gen III UPB adds several new features listed in the individual product descriptions here. 35A00-1/-3 and 55A00-1/-2/-3 series dimmer switches now include an automatic timeout (when enabled) and can be switched from dimming to non-dimming and back in the field. HAI Gen III UPB also includes improvements to the core UPB technology, including improved drive for CFL and LED lamps and better tolerance for power frequency variations and interruptions in the dimmers\*. The best UPB yet—only from HAI.

### Easy To Use—The Smart Switches!

HLC switches feature true rocker action. Press and hold to brighten or dim. Press up to turn on. Press down to turn off. Homeowners can easily change scene settings at any time without a service call.

Because HLC is a modular system, rooms and lights can be added anytime, updating as your needs change. For retrofits or expansion, existing light switches can be replaced with HLC *smart* switches and lamp control modules can be added for accessory lighting.

### Matches Your Style

Most switches accommodate standard Decora-style wallplates for unlimited faceplate options. A full range of switch colors, including almond, black, brown, grey, ivory, light almond, and white, are available.

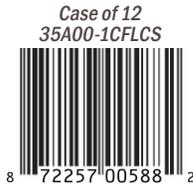
LED indicator lights at the top of the switches can be programmed to glow blue, red, magenta, or turned off entirely. Scene Switches and House Status Switches can even feature custom laser engraved buttons.

\*Gen III UPB is compatible with all previous generations of UPB.

ENERGY MANAGEMENT



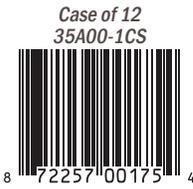
**HAI For CFL and LED Bulbs!**



**300W CFL/LED Dimmer (1)  
300W CFL/LED Dimmers (12)**

**35A00-1CFL  
35A00-1CFLCS**

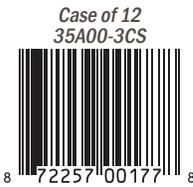
UL Listed for CFL and LED bulbs. Special dimming curve, minimal brightness level, and optimized TRIAC drive. Can also control up to 600 watts of incandescent/Halogen brightness. White color. Color Change Kit available. Uses standard Decora wallplate (not included).



**600W UPB™ Dimmer Switch (1)  
600W UPB™ Dimmer Switches (12)**

**35A00-1  
35A00-1CS**

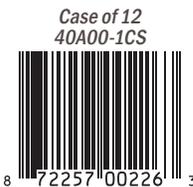
Used for controlling and dimming lighting loads up to 600W. Optimized for incandescent/Halogen bulbs. White paddle, connectors, instructions. Color Change Kit available. Uses standard Decora wallplate (not included).



**600W UPB™ Non-Dimming Switch (1)  
600W UPB™ Non-Dimming Switches (12)**

**35A00-3  
35A00-3CS**

Used for controlling non-dimming loads, such as fluorescent lights, up to 600 watts. Includes a white paddle, connectors, instructions. Color Change Kit available. Uses standard Decora wallplate (not included).



**15A Relay Switch (1)  
15A Relay Switches (12)**

**40A00-1  
40A00-1CS**

For controlling heavier loads (up to 15 amps) or motors, such as ceiling fans, that may hum when used with dimming or non-dimming switches. White color. Color Change Kit available. Uses standard Decora wallplate (not included).



**Auxiliary Switch (1)  
Auxiliary Switches (12)**

**37A00-1  
37A00-1CS**

Remotely operate 35A00, 40A00, and 55A00 dimmers and switches; connectors, instructions. White color. Color Change Kit available. Uses standard Decora wallplate (not included).



**Switch Color Change Kit (12 count)**

**35A14-color codeCS**

Paddle, bezel assembly for 35A00, 37A00 and 40A00 series switches. Part number example: 35A14-ALCS.





NORTH AMERICAN LIGHTING CONTROLS

ENHANCED



1000W UPB™ Dimmer Switch

55A00-1colorcode



Connectors, instructions. Requires its own gang box or must be de-rated. White paddle shown. Wallplate not included. Order switch in desired color. Uses standard Decora wallplate (not included).

Almond 55A00-1AL



Black 55A00-1BL



Brown 55A00-1BR



Ivory 55A00-1IV



White 55A00-1WH



ENHANCED



1500W UPB™ Dimmer Switch  
Color-Matched Wallplate

55A00-2colorcode  
55A02-1/-2



With connectors, instructions. Requires a special back box or must be de-rated. Shown in white. Order switch in desired color. Switch uses special-sized wallplate, sold separately (below).

Dimmer Switch, Ivory  
55A00-2IV



Dimmer Switch, White  
55A00-2WH



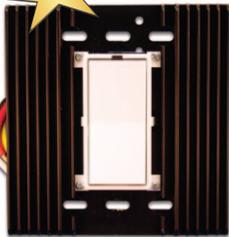
Wallplate, White  
55A02-1



Wallplate, Ivory  
55A02-2



ENHANCED



2400W UPB™ Dimmer Switch  
Color-Matched Wallplate

55A00-3colorcode  
55A03-1/-2



With connectors, instructions. Requires a special back box or must be de-rated. Shown in white. Order switch in desired color. Switch uses special-sized wallplate, sold separately (below).

Dimmer Switch, Ivory  
55A00-3IV



Dimmer Switch, White  
55A00-3WH



Wallplate, White  
55A03-1



Wallplate, Ivory  
55A03-2



UPB™ Lamp Module (1)  
UPB™ Lamp Modules (12)

59A00-1  
59A00-1CS



Plug-in Lamp Module controls and dims lamps up to 300 watts.

59A00-1



Case of 12  
59A00-1CS



UPB™ Appliance Module (1)  
UPB™ Appliance Modules (12)

60A00-1  
60A00-1CS



Plug-in Appliance Module controls appliances, fans, and lamps up to 15 amps, general purpose, ½ horsepower.

60A00-1



Case of 12  
60A00-1CS



ENERGY MANAGEMENT



**Scene Switch, 6-Button (1)  
Scene Switches, 6-Button (12)**

**38A00-1  
38A00-1CS**

Control all lights in a room or area. Lights may be turned on or off, dimmed, brightened, and set to four different scenes. Setting a scene is as simple as pressing the scene button on the Scene Switch five times. Has infrared receiver for use with Scene Switch Remote Control. Includes White bezel, connectors, instructions. Color Change Kit and custom engraving available.



**House Status Switch, 8-Button (1)  
House Status Switches, 8-Button (12)**

**38A00-2  
38A00-2CS**

This master lighting control shows the status for up to eight rooms. If any light is on in an integrated room, the button for that room is illuminated. Pressing the room's button will turn on or off all of the lights in that room. Includes White bezel, connectors, instructions. Color Change Kit and custom engraving available.



ENERGY MANAGEMENT



**Table Top Scene Switch and Cradle 38A16-colorcode  
Cradle Only 38A15-colorcode**

Table mount the Scene Switch (38A00-1), House Status Switch (38A00-2), or Lumina Mode Switch (38A00-3). Conveniently locate throughout the home (bedside nightstand, the desk in a home office, next to a favorite chair). Plug directly into electrical outlet with six foot cord. Scene Switch sold separately or 38A16 includes both cradle and switch. Specify color code when ordering.



**Custom Legend Kit for Scene/House Status Switches 38A06-2**

Coupon and instructions for custom laser engraved buttons for 6 Button Scene Switch or 8 Button House Status Switch. Mail in coupon, receive custom button overlay by mail. Customized Scene Switches make creating an ambiance easy. Select "Task Lighting", or "Romantic Evening" to set the proper mood. Customizing House Status Switches is fun as well. "Sue's Bedroom", "Master Bath" and "Back Porch" allow for ultimate control of every room. Create your own!

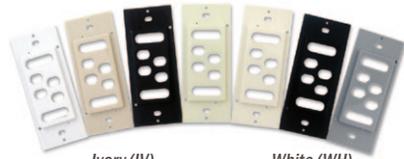




## NORTH AMERICAN LIGHTING CONTROLS

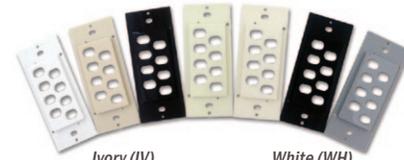
### Scene Switch & Lumina Mode Switch Color Change Kit (12 count) **38A04-color codeCS**

Bezel for 38A00-1 or 38A00-3, instructions. Part number example: 38A04-ALCS.



### House Status Switch Color Change Kit (12 count) **38A05-color codeCS**

Bezel for 38A00-2, instructions. Part number example: 38A05-ALCS.



ENERGY MANAGEMENT



### Scene Switch Remote **38A14-1**

Works with HAI's Scene Switch. Controls all lights in a room or area. White color.



### HLC Load Control Module **71A00-1**

**COMMER CIAL**  
**100VAC**  
**HAI UPB GEN III**

30A module utilizing HAI's Generation III UPB™ (Universal Powerline Bus) technology over existing power lines. Controls the power consumption of high wattage loads such as pool pumps and hot water heater. Can control 120 or 240V loads. Requires neutral wire.



### Hardwired Load Control Module **72A00-1**

**COMMER CIAL**

20 AMP Relay Module that connects directly to voltage outputs on HAI home controllers and expanders and includes a manual override switch. Can control 120, 240, or 277VAC loads. Ideal for lighting control in small commercial environments. Requires 120V and neutral wires.





**Phase Coupler (1)  
Phase Couplers (12)**

**39A00-1  
39A00-1CS**



For 120/240V electrical systems, the Phase Coupler increases the speed and reliability of the HLC system. Although the HLC protocol is extremely robust and less susceptible to power line conditions, HAI recommends the use of a Phase Coupler in every installation.



**UPB™ Split-Phase Repeater**

**39A00-2**

Designed to repeat UPB™ signal in installations requiring additional signal strength. Must be used on a 120/240VAC split-phase 60Hz powerline.



**UPB™ Three-Phase Repeater**

**39A00-3**

Required for use in three-phase installations when UPB™ devices are installed on separate phases. Must be used on a three-phase 120/208VAC delta-wye, 60Hz powerline.



**UPB™ Powerline Interface Module with Cable (1)**

**36A00-1**

**UPB™ Powerline Interface Modules with Cables (12)**

**36A00-1CS**



UPB™ Powerline Interface Module (PIM) connects the lighting system to an automation system or computer, which can then control the lights—making the system accessible through the home computer or from a remote location over the Internet.



**HAI Lighting Control (HLC) Expansion Kit for Omni LT**

**36A10-1**



Serial interface, cable and UPB™ Powerline Interface Module to add HLC to Omni LT.



**Two Way X-10 Transceiver Kit**

**10A09-7**

Two Way X-10 protocol power line carrier transceiver, 7 foot cable, instructions. Adds X-10 control to all HAI controllers.



**ALC Interface, 1 Branch  
ALC Interface, 4 Branch**

**25A00-1  
25A00-2**

One branch ALC Hardwire Lighting Control Interface to control ALC switches (1–31 lights). Four branch ALC Hardwire Lighting Control Interface to control Legrand ALC switches (1–124 lights).

ENERGY MANAGEMENT



INTERNATIONAL/N.A. LIGHTING CONTROLS



See page 15 for Omni-Bus kits!

**NEW** HAI *Omni-Bus* LIGHTING CONTROL NETWORK

The HAI Omni-Bus Lighting Control Network is the hardwired and wireless lighting solution for 220-240V/50Hz applications and a North American version for 110V/60Hz (coming soon!). Utilizing the worldwide standard for mounting—DIN rail—this bus-based system with controller-based management of loads controls CFL, LED, electronic low-voltage, Halogen, and incandescent lighting.

**HAI Omni-Bus advantages**

The HAI Omni-Bus lighting system fully integrates with HAI home automation controllers, allowing control of Omni-Bus devices using standard HAI interfaces or software applications. Power wiring is minimized because controllers can be localized to switches. Switches can be programmed to perform a number of actions. Omni-Bus operates standalone or with an HAI controller—and features free setup software available online. With Omni-Bus there is no need for a third-party solution.

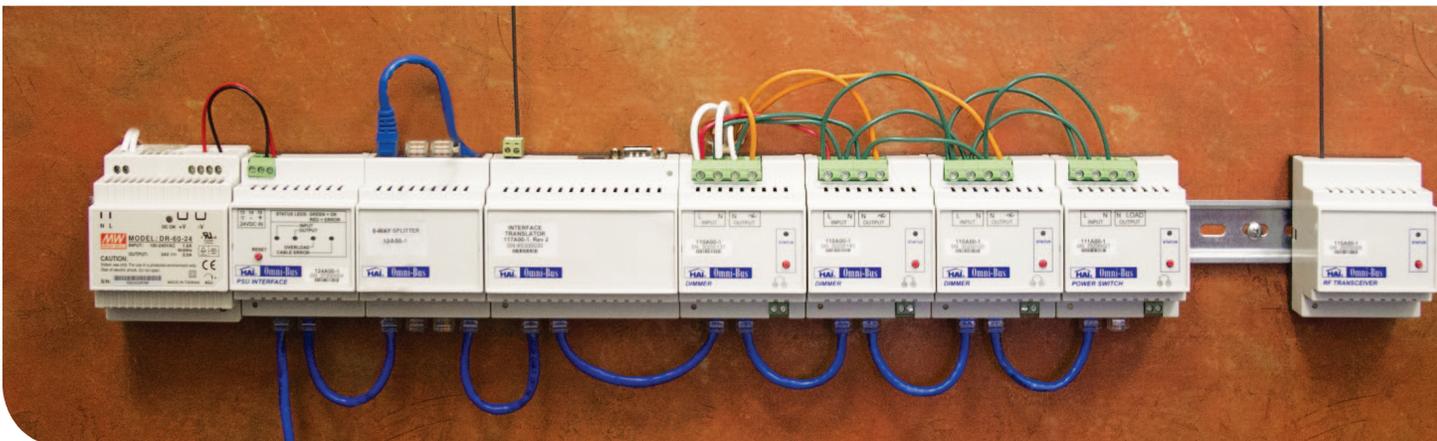
**How HAI Omni-Bus works**

Power modules feed power to dimmer or non-dimming switches. Each switch wires up to a DIN rail module. Load Control and other DIN rail modules connect to the Omni-Bus network using standard CAT-5 UTP (Unshielded Twisted Pair) cable between each Omni-Bus device. The Omni-Bus network runs on a low supply voltage (24VDC) and is optically isolated from the mains supply side. Each hardwired switch connects to the Omni-Bus network using CAT-5. The use of splitters allows for a free topology architecture for ease of installation and expandability.



For ease of reference, Omni-Bus components are labeled using the following four categories:

- Core Components (Required)
- Accessories
- Load Control Modules
- Switch Interfaces





● **Interface Translator DIN Rail Module**

117A00-1

The “gateway” of the Omni-Bus system, this device allows HAI Controllers (Omni LT, Omni IIe, OmniPro II, Lumina, and Lumina Pro) to interface with an Omni-Bus network. Built in radio receiver for use with wireless switch interfaces 113A00-2, 113A00-4, 113A00-7, 125A00-1, 125A00-2. Features an Ethernet port.



● **Power Supply 2.5A DIN Rail Module**

123A00-1

This 24VDC 2.5A power supply module provides power to the Omni-Bus network. Required Omni-Bus component.



● **Power Supply Interface 2A DIN Rail Module**

124A00-1

Used to detect overloading and select cabling errors on the Omni-Bus network. Distributes power from 123A00-1. Detects low voltage power and overloading to Omni-Bus network. Required Omni-Bus component.



● **8-Way Splitter DIN Rail Module**

120A00-1

Eight-port splitter used for splitting the network into a star configuration. Required Omni-Bus component.



● **Termination Plug**

122A00-1

Used to terminate the Omni-Bus network. Each network must contain one and only one network Termination Plug. Required Omni-Bus component.



● **Jumper Plugs**

121A00-1

Used to terminate any open ends or open connectors on the Omni-Bus network. Required Omni-Bus component. Available in packs of ten. Not sold individually.





## INTERNATIONAL/N.A. LIGHTING CONTROLS

For ease of reference, Omni-Bus components are labeled using the following four categories:

● Core Components (Required)

● Accessories

● Load Control Modules

● Switch Interfaces



● *RF Transceiver DIN Rail Module*

*115A00-1*

Wireless transceiver for use with wireless switch interfaces 113A00-2, 113A00-4, 113A00-7, 125A00-1, 125A00-2. This added transceiver provides expanded wireless range for the Omni-Bus network.



● *DALI Gateway DIN Rail Module*

*118A00-1*

Controls DALI (Digital Addressable Lighting Interface) output devices: On/off switching, dimming, DALI group control, DALI broadcast control, and DALI scene control.



● *USB Programming Interface Unit*

*116A00-1*

Configure and maintain all user programmable parameters of the Omni-Bus network with a PC. Includes an Omni-Bus PC software license.



● *3-Way Splitter*

*119A00-1*

Expand an Omni-Bus network with this splitter. Used where a T-junction or network split is required.



● *Single-Gang Switch Box w/Cover, Metal*

*95A20-1*

Features holes and knockouts for mounting to desired surface. Can accommodate Hi-Fi 2 by HAI interfaces, Omni-Bus hardwired switches, and UPB switches. Includes a metal cover with hardware for mounting to the box.



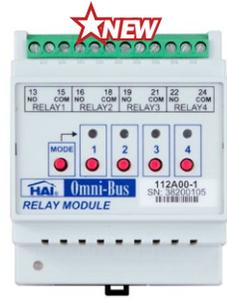
ENERGY MANAGEMENT



● **Omni-Bus Relay DIN Rail Module**

112A00-1

Control up to four general purpose resistive loads: 2A@230V~, 2A@110V~, 2A@28VDC or general purpose low voltage switching applications (irrigation valves, gates, garage doors, etc.).



● **Omni-Bus Dimmer DIN Rail Module**

110A00-1

Controls 220V incandescent, 220V halogen, and low voltage transformers suitable for trailing-edge dimming: 400W@230V~ *This product is available for international (non-North American) markets only.*



● **Omni-Bus Universal Dimmer DIN Rail Module**

110A00-2

Advanced 16-bit switching controls any load jumper selectable leading or trailing edge dimming. Controls incandescent, halogen, low voltage electronic transformers, low voltage magnetic transformers: 900W@230V~; 600W@110V~. Controls dimmable CFL/ELD: 400W@230V~; 300W@110V~



● **Omni-Bus Power Switch DIN Rail Module**

111A00-1

Controls resistive/incandescent: 2000W@230V~; 1500W@110V~. Ballast (fluorescent lights): 2000W@230V~; 1500W@110V~. Low voltage transformer: 2000W@230V~; 1500W@110V~. DC resistive: 10A@30VDC.



● **Omni-Bus Scene Control DIN Rail Module**

126A00-1

Stores lighting scenes to be executed from various Omni-Bus wall switches and remote controls. Users gain set buttons to execute lighting scenes in a standalone application (i.e. without the use of an HAI controller). Also works in conjunction with an HAI controller and Omni-Bus Interface Translator for added flexibility and control.





## INTERNATIONAL/N.A. LIGHTING CONTROLS

For ease of reference, Omni-Bus components are labeled using the following four categories:

● Core Components (Required)

● Accessories

● Load Control Modules

● Switch Interfaces



● **6-Channel Universal Switch Interface Modules** **114A00-1**

Connects up to six third-party switches to the Omni-Bus network. Six LED outputs control two-lead bi-color or single color LED indicators for each switch.



● **1-Button, Hardwired, White** **113A00-1**  
● **1-Button, Wireless, White** **113A00-2**

Single button hardwired or wireless switch interface. Controls dimmer, power switch, relay, or an input into HAI controller. LED light indicates operation status. Wireless switch operates with 117A00-1 or 115A00-1.



● **2-Button, Hardwired, White** **113A00-3**  
● **2-Button, Wireless, White** **113A00-4**

Two button hardwired or wireless switch interface. Controls dimmer, power switch, relay, or an input into HAI controller. LED light indicates operation status. Wireless switch operates with 117A00-1 or 115A00-1.



● **3-Button, Hardwired, White** **113A00-5**  
● **3-Button, Wireless, White** **113A00-7**

Three button hardwired or wireless switch interface. Controls dimmer, power switch, relay, or an input into HAI controller. LED light indicates operation status. Wireless switch operates with 117A00-1 or 115A00-1.



● **6-Button, Hardwired, White** **113A00-8**

Six button hardwired switch interface. Controls dimmer, power switch, relay, or an input into HAI controller. LED light indicates operation status.



ENERGY MANAGEMENT



● **3-Button, Hardwired, Brushed Stainless**

113A00-6

Three-button hardwired switch interface. Controls dimmer, power switch, relay, or inputs into HAI controller. LED lights indicate operation status.



● **6-Button, Hardwired, Brushed Stainless**

113A00-9

Six-button hardwired switch interface. Controls dimmer, power switch, relay, or inputs into HAI controller. LED lights indicate operation status.



● **Keyfob Remote Control, 6-Channel**

125A00-1

Wireless RF transmitter built into a convenient keyfob. Up to six channels available. Controls dimmer, power switch, relay, or inputs into HAI controller. Wireless switch operates with 117A00-1 or 115A00-1.



● **Keyfob Remote Control, 16-Channel**

125A00-2

Wireless RF transmitter built into a convenient keyfob. Up to 16 channels available. Controls dimmer, power switch, relay, or inputs into HAI controller. Wireless switch operates with 117A00-1 or 115A00-1.



● **Omni-Bus Cable Assemblies for Universal Switch Interface Module (12)**

114A01-1

Pack of 12 cable assemblies for Omni-Bus Universal Switch Interface Module 114A00-1. 150mm cable assembly used to connect a switch input or LED output of the 114A00-1 to third-party switch. One cable is required for each input or LED output. Cables not sold separately.





## OMNISTAT/2

Programmable Communicating Thermostat



## HAI Programmable Communicating Thermostats

The Omnistat2 programmable communicating thermostat combines HAI's 20 plus years as a leader in energy management to provide sophisticated and intelligent function in an easy to use device.

Omnistat2 can manage electric, gas, geothermal, and radiant heat energy sources. According to the U.S. Department of Energy, 56% of the average home's energy bill is just for heating and cooling. The best way to control your energy cost is by managing your heating and cooling system. Using advanced digital technology, the Omnistat2 "learns" a home's heating and cooling patterns and adjusts control to maximize both HVAC efficiency and comfort. The Omnistat2 automatically adjusts the temperature for you and saves you money!



It's easy to program your settings.



Program special settings for when you are away for an extended period of time.



Monitor and control humidity.



Available in white, black, or silver finishes.

### A Simple Interface for Ease of Use

Simply turn the scroll wheel to the right or left to adjust the temperature. Three buttons facilitate easy to navigate menus. Display information such as temperature setpoints, modes, outdoor temperature and humidity, run time by week, and more.

### Unique Looks to Suit Your Home

Beyond the three different color options of black, silver, and white, choose from over one hundred customizable backlight colors. Change backlighting from blue to red or green—or any color in between with the turn of the scroll wheel.

## HAI Temperature Display/Control



*Temperature Display/Control (TDC)*  
95A03-1TWH

Inspired by the sleek new VSC interface for the Hi-Fi 2, HAI developed an all-new energy management interface with similar easy-to-use controls and OLED display making the control and adjustment of interior comfort settings both simple and beautiful. The TDC will be available in 2012 along with optional color faceplates in black and light almond to match a multitude of interior decors.



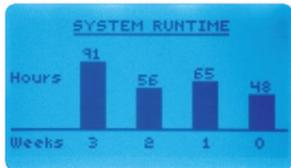
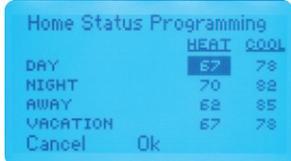
Watch the Omnistat2 video online at [www.homeauto.com](http://www.homeauto.com)



Shown in White (WH) finish. Specify color when ordering.



**Omnistat2**  
Multistage & Heat Pump w/Humidity Control  
RC-2000colorcode



**Omnistat2**  
Conventional & Heat Pump (w/Aux)  
RC-1000colorcode



	RC-2000colorcode	RC-1000colorcode
• Humidifier control	●	
• Dehumidifier control	●	
• Humidity sensing and display	●	
• Supports up to 2-stage conventional & 2-stage heat pump w/3rd-stage aux. heat	●	
• Supports dual fuel systems	●	●
• Automatic heat/cool changeover	●	●
• Filter reminder for peak efficiency	●	●
• Digital precise temperature control	●	●
• Seven day schedule with copy function	●	●
• Fan cycle mode periodically circulates air	●	●
• Graphical display of HVAC usage by week	●	●
• Eco-friendly design—no batteries to replace	●	●
• Indoor sensor averaging with remote sensor	●	●
• Multi-color backlight is adjustable at any time	●	●
• Choose between Simple or Advanced displays	●	●
• Remote and averaged temperature sensors available	●	●
• Motion activated backlight turns on when approached	●	●
• Temperature readings available in Fahrenheit or Celsius	●	●
• Energy Efficient Control (EEC) for heat pump auxiliary heat	●	●
• Learns a home's heating and cooling patterns for efficiency	●	●
• Communicates with HAI systems and other automation systems	●	●
• Settings for Home, Night, Away, and Vacation (with an HAI system)	●	●
• Easy to use Vacation mode restores temperatures before your return	●	●

ENERGY MANAGEMENT



**Thermostat Power Supply Module**

**30A00-2**

Power booster for Omnistat2 thermostats, instructions (may be needed in retrofit applications when "HVAC common" wire is not available). Mounts at furnace/air handler and requires no external power source.



**Omnistat2 Trim Ring**

**65A18-1**

White Omnistat2 backplate used as a cover-up when retrofitting homes with existing thermostats. The Omnistat2 thermostat mounts gently on top, and is easy to install thanks to the properly positioned slots (Omnistat2 thermostat shown but not included).



**Surface Mount Remote Indoor/Outdoor Temp Sensor**

**23A00-1**

Surface indoor/outdoor temperature sensor for Omnistat and Omnistat2 thermostats. Can be used as outdoor sensor for dual-fuel heat pumps.



**Flush Mount Remote Indoor/Outdoor Temp Sensor**

**23A00-2**

For HAI Omnistat and Omnistat2 thermostats. Can be painted or wallpapered to become virtually invisible.



**Thermostat Isolation Module**

**29A00-1**

Relay isolation module for Omnistat2 thermostats. Includes mounting clips, instructions (may be needed for HVAC systems using non-standard voltages).



ENERGY MANAGEMENT



**“HAI provides a scalable solution that hits all of the high points my clients are looking for in home automation.”**

*VIP Technology Contractors – Greer, South Carolina USA*



## Temperature Control Monitoring

These accessory products are specifically designed for use with your Omni and Lumina controllers. Sensors have been enhanced with a special mounting bracket for improved environmental readings—indoor or outdoor.



14A00-8

### Water Temperature Sensor

14A00-8

Module, probe, accessories, instructions. Allows you to monitor and activate programs based on water temperature. Can be used for pools, spas, aquatic ponds, fish tanks, greenhouses, etc. Sensing range is 0–120°F.



31A00-7

### Extended Range Indoor/Outdoor Temperature Sensor for HAI Omni/Lumina Controllers

31A00-7

Sensor from -40° to 120°F, accessory kit, instruction sheet. Allows you to monitor and activate programs based on temperatures. Can be used outdoors, in attics, basements, wine cellars, etc. Must be connected directly to the HAI controller using a four conductor wire. For enhanced accuracy, it may be calibrated after installation. Includes mounting bracket.



31A00-8

### Extended Range Indoor/Outdoor Temperature & Humidity Sensor for HAI Omni/Lumina Controllers

31A00-8

Sensor from -40° to 120°F and humidity sensor, accessory kit, instruction sheet. Must be connected directly to the HAI controller using a four conductor wire. For enhanced accuracy, it may be calibrated after installation. Includes mounting bracket.



26A00-5

### Freeze Watch Sensor

26A00-5

Sensor from -40° to 120°F. Also includes separate isolated contacts with snap action switch designed to activate heating circuit at 42°F. Use as backup to activate heat in areas prone to damage by freezing.



1101A

### PESM

1101A

Used to override existing thermostats for set-back control or for sensing and controlling other temperatures, such as attic fans, garage fans, greenhouses, basements, wine coolers, humidors, etc.





ZigBee®

Control your world

### ZigBee® wireless energy management

HAI's powerful wireless ZigBee® products ensure energy savings in new construction and retrofit, controlling lights, lamps, fans, shades, pumps, and more with an optimum range of 200 feet. Use MicroControl™ as a standalone solution, or opt for the ZigBee® Interface Module if incorporating into an existing home control system. HAI adheres to ZigBee® Pro and the Home Automation Profile.



**MicroControl™**  
ZigBee **MicroControl™ Companion** **NEW**

**81A00-2WHZB**  
**81A00-4WHZB**



MicroControl functions as a energy management coordinator. Tabletop, bedside, or wall mount this display to control selected HAI controller, Omnistat2, and Load Control Module functions. Includes two-way RF transceiver and plug-in power supply. The Companion functions as a remote controller for the MicroControl. Multiple Companions can be used—up to the 64 device limit of a MicroControl system. MicroControl devices use ZigBee wireless communication.

ENERGY MANAGEMENT



**ZigBee Gateway I**

**74A00-1**



Allows remote access to the ZigBee wireless energy management system. Adds enhanced programming and logic features. Features Ethernet and USB connections (for USB Wi-Fi). Includes setup software and plug-in power supply.



**Omnistat2 Wireless Multistage & Heat Pump w/Humidity Control**

**RC-2000colorcodeZB**

All the features of the RC-2000 Omnistat2, plus uses ZigBee wireless communication.



Shown in White (WH) finish  
Specify color when ordering.



**Omnistat2 Wireless Single-Stage Conventional & Heat Pump (w/Aux Heat)**

**RC-1000colorcodeZB**

All the features of the RC-1000 Omnistat2 plus uses ZigBee wireless communication.



Shown in White (WH) finish  
Specify color when ordering.



**ZigBee Interface Module (ZIM) for HAI Omni & Lumina Controllers**

81A00-3WHZB

Wireless interface and coordinator for ZigBee products. Plugs into serial port on HAI Omni or Lumina family controller and allows control of HAI Wireless Energy Management Components. Display helps set up and installation of wireless systems. Uses ZigBee wireless communication. Six foot cable included. Powered by the HAI Omni controller.



**30A Wireless Load Control Module**

73A00-3ZB

Wireless controls for water heaters, pool pumps, outdoor fountains, lighting, and more. Ultra low stand-by power. Universal 96-250 VAC and 50/60 Hz. Can be used outdoors. Uses ZigBee wireless communication.



**5A Wireless Load Control Module**

73A00-4ZB

Controls low voltage circuits in outdoor air conditioning units, pool and spa heaters & pumps, generators, and more. Ultra low stand-by power. Universal 96-250VAC and 50/60Hz. Can be used outdoors. Uses ZigBee wireless communication.



**15A Plug-in Load Control Module**

89A00-1ZB

Perfect for appliances, fans, and lamps up to 15A, general purpose. ½ horsepower. 120VAC/60hz. Uses ZigBee wireless communication.



**300W Plug-in Lamp Module**

88A00-1ZB

Plug-in dimmer controls lamps up to 300W. 120VAC/60hz. Uses ZigBee wireless communication.



ENERGY MANAGEMENT



# ENTERTAINMENT





## Integrate Your Media With the Rest of Your Home

Over the years, HAI has continued to expand its home automation offerings into the entertainment market with innovative products that make whole home audio and home theater more than just a convenience, but an experience. Working in tandem with your HAI home control system, these entertainment products further enhance the homeowner's lifestyle, whether relaxing with the family or hosting a social event.



Hi-Fi 2 by HAI is a revolutionary multi-room audio system that plays music and announces messages throughout your house. Hi-Fi 2 comes standard as an eight zone, eight source kit, and is expandable to 16 zones. Use your iPhone, iPod Touch, iPad, or HAI Touchscreen to change songs or adjust volume.



The HAI Dock allows access to music on an iPod or iPhone over a wired or wireless network. When connected to a compatible distributed audio system, the connected device becomes a source that can be played in any audio zone. Browse the iPod from HAI Touchscreens and view album art. Search by audiobook, podcast, genre, composer, and more.



The HAI Music Gateway stores thousands of songs and can be controlled from an Ethernet-enabled OmniTouch Touchscreen. HAI's Music Gateway is a music server/renderer with three independent stereo channels for listening to different songs at once in different areas of a home. Use an HAI Touchscreen, iPhone, iPod Touch, iPad, or OmniTouch Pro enabled Touchscreen to select music by artist, title, genre, or playlist. View album art and other meta-data; Fully integrate with Hi-Fi 2 by HAI or other multi-room audio systems.



The HAI Home Theater Extender 2 (HTX2) lets you extend your home control to the audio/video equipment in your home theater. The HTX2 communicates over Ethernet with an HAI OmniTouch 5.7e Touchscreen, iPhone, iPod Touch, iPad, or OmniTouch Pro enabled Touchscreen. Easily add components with the built-in A/V Library of over 300,000 IR codes. Contact closures can control window coverings, lights, and home theater components.



# Hi-Fi 2 by HAI: Multi-Room Matrix Audio



Hi-Fi 2 by HAI is revolutionary because it allows you to listen to the music sources you already own—or any brand you purchase later. These sources can be located throughout the house. And with Hi-Fi 2 by HAI a cleaner installation is evident thanks to no unsightly wires running to an audio rack. The audio controller can be tucked away in a closet or basement. Additional audio sources such as satellite radio tuners may be added locally.

Components of the Hi-Fi 2 by HAI are modular, giving flexibility for expansion as needs change. The base system comes with eight zones and eight sources, but it can readily be expanded to 16 zones.

The zone amplification is 25 Watts RMS at 8 Ohms per channel (50 Watts per zone). Two variable outputs (zones 1 and 8) are provided for connection to external power amplifiers and the system includes a page/mute input.



Use the Hi-Fi 2 in a standalone application with an iPhone and HAI Dock or HAI Music Gateway.

ENTERTAINMENT



**Hi-Fi 2 by HAI 8 Zone, 8 Source Kit with Enclosure 95A00-1**

Includes 8 Inputs and 4 RIMs (Remote Input Module); use all 8 Inputs or 4 Inputs and 4 RIMS or any combination up to a total of 8 Inputs/RIMS. Also includes 8 OLED Display VSCs (Volume Source Control) with digital controls. Expandable to 16 zones using Expansion Amplifier Kit [sold separately].



**Hi-Fi 2 by HAI 8 Zone, 8 Source Kit for Structured Wiring Enclosures 95A00-2**

Includes 8 Inputs and 4 RIMs (Remote Input Module); use all 8 Inputs or 4 Inputs and 4 RIMS or any combination up to a total of 8 Inputs/RIMS. Also includes 8 OLED Display VSCs (Volume Source Control) with digital controls. Expandable to 16 zones using Expansion Amplifier Kit [sold separately].



**Hi-Fi 2 by HAI Main Amplifier Assembly with Power Supply 95A01-1**

Expandable to 16 zones using Expansion Amplifier Kit [sold separately].





**Hi-Fi 2 by HAI 8 Zone Expansion Amplifier Kit with Enclosure**

95A12-1

Includes expansion PCA, 8 VSCs, and enclosure. Expands the Hi-Fi 2 to a total of 16 zones. Includes power cord, expansion cable, and two variable outputs. Expansion Amplifier must be mounted no more than six inches (15.24cm) below the Main Amplifier. *Compatible with OmniPro II and Lumina Pro controllers only.*



**Hi-Fi 2 by HAI 8 Zone Expansion Amplifier Kit for Structured Wiring Enclosures**

95A12-2

Includes expansion PCA on back plate and 8 VSCs. Expands the Hi-Fi 2 to a total of 16 zones. Includes power cord, expansion cable, and two variable outputs. Expansion Amplifier must be mounted no more than six inches (15.24cm) below the Main Amplifier. *Compatible with OmniPro II and Lumina Pro controllers only.*



**Hi-Fi 2 Expansion Amplifier Assembly w/Power Supply**

95A18-1

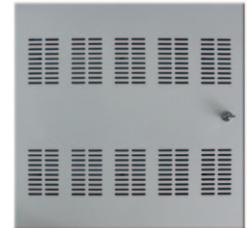
Includes expansion PCA with power supply and power cord. Expands the Hi-Fi 2 to a total of 16 zones. Expansion Amplifier must be mounted no more than six inches (15.24cm) below the Main Amplifier. *Compatible with OmniPro II and Lumina Pro controllers only.*



**Vented Enclosure**

95A09-1

Enclosure for Hi-Fi 2 with vents, door latch mounting plate, hardware kit and instructions. Features knock-outs on top, bottom, and back for multiple installation scenarios.



**Hi-Fi 2 by HAI Retractable Cable**

95A13-1

3.5mm male to 2 RCA male patch cable. Extends to 4 feet. Use to connect TVs, CD players, home theater and stereo components to Hi-Fi 2's RIM.



**Hi-Fi 2 by HAI Retractable Cable**

95A14-1

3.5mm male to 3.5mm male stereo patch cable. Extends to 4 feet. Use to connect MP3 players, iPods™, computers with headphone and/or audio outputs to Hi-Fi 2's RIM.



**Hi-Fi 2 Remote Control**

95A05-1

Remote Control for volume and source selection. One included in 95A00-1 and 95A00-2.





**Volume-Source Control (VSC)**

**95A03-1**

Four-button OLED keypad controls volume, power, source, and more. Features IR receiver. White wallplate, VSC Color Change Kits available. Supports foreign language (western characters) and unicode characters.



**VSC Color Change Kits (Case of 12)**

**95A11-colorcodeCS**

Case of 12 wallplates. Specify color code when ordering.



**Remote Input Module (RIM)**

**95A04-1**

White Remote Audio Input/IR output module. Includes white wallplate. Additional colors are available through RIM Color Change Kits. Features a routed IR emitter jack and a flasher. Control your source equipment from any room that has a Volume-Source Control.



**RIM Color Change Kits (Case of 12)**

**95A10-colorcodeCS**

Case of 12 wallplates. Specify color code when ordering.



**Bluetooth Remote Input Module**

**95A04-2**

Bluetooth devices can connect and act as music servers for your Hi-Fi 2 distributed audio system. Play music from your device's Pandora, Spotify, Rhapsody, iTunes, and YouTube playlists. No more learning new interfaces or being held back by localized controls. Now anyone can be the DJ! White color only.



**Hi-Fi 2 Expansion Cable Assembly**

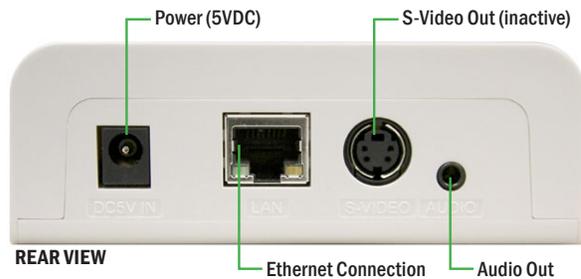
**95A16-1**

24-pin ribbon cable connects the Main Amplifier board to the Expansion Amplifier board. This part is included with 95A12-1 and 95A12-2.



ENTERTAINMENT

**Wired and Wireless Models Available**



**NEW**  
**HAI Dock**

96A00-1

The HAI Dock allows users to access music on an iPod or iPhone through IP-enabled devices over a wired or wireless network. When connected to a Hi-Fi 2 by HAI distributed audio system, the connected iPod or iPhone becomes a source that can be played in any audio zone connected to the Hi-Fi 2. HAI Dock is also compatible with HAI Connectivity Partner audio systems.

The attached iPod/iPhone is controlled from IP-enabled devices including HAI OmniTouch IP-enabled Touchscreens and the Hi-Fi 2 by HAI. Metadata (e.g. playlist, genre, artist, album, and track) is sent to IP-enabled devices on the network and displays on Touchscreens and Hi-Fi 2 Volume Source Controls. Send the iPod control commands including play, pause, stop, next/previous track, rewind, fast forward, next/previous chapter. IP-enabled devices navigate and browse the iPod/iPhone music library by playlists, artists, albums, songs, podcasts, genres, composers, and audiobooks.

Compatible with: iPod Nano (3G, 4G, 5G, 6G), iPod Classic, iPhone (1, 3G, 3GS, 4G), iPod Touch (1, 2G, 3G, 4G);  
Power supply included: U.S.: 120VAC, 60Hz, E.U.: 100-240VAC, 50-60Hz, universal

U.S. Wired 96A00-1	U.S. Wireless 96A00-2	U.S. Power Supply 96A01-1	E.U. Wireless 96A00-3	E.U. Wired 96A00-4	E.U. Power Supply 96A01-2
8 72257 00855 5	8 72257 00856 2	8 72257 00859 3	8 72257 00857 9	8 72257 00858 6	8 72257 00860 9

**With the Hi-Fi 2 by HAI...**

- Enjoy music on iPod in all zones while simultaneously charging its battery.
- See what's playing, pause, previous/next track on a Hi-Fi 2 VSC.



**With an HAI Omni or Lumina and an OmniTouch 5.7e Touchscreen...**

- Browse iPod playlist from HAI's IP-Based OmniTouch Touchscreens.
- View album art and control all zones.



**With an iPod Touch or iPad...**

- Control Hi-Fi 2 by HAI and HAI Dock remotely from iPod Touch or iPad.





84A00-1

FEATURING **HAI WL3**  
Software Enabled

The HAI Music Gateway opens up an extensive music collection to the rest of the home. A music server/renderer with three independent stereo channels, the Music Gateway uses an HAI OmniTouch 5.7e Touchscreen for selecting music. Selections can be made by artist, title, genre, or playlist. Album art and other meta-data can even be viewed. Where a Hi-Fi 2 by HAI or other multi-room audio system is available, the Music Gateway can be integrated. For a clean installation, the Music Gateway is designed for a structured wiring cabinet.

And there is a reason HAI calls it the Music *Gateway*: included is HAI's advanced WL3 software for home control and IP camera integration. With WL3, homeowners can access not only their music, but their entire home automation system. Users can access via mobile devices such as the iPhone™, BlackBerry™, Windows Phones, Android Phones, or any web browser. WL3 lets you record and play videos from IP cameras based on system events including motion, alarm, and door openings. The Music Gateway is the perfect access point for all your needs.

Entertainment use is just as convenient. Easily set up and load music to the Music Gateway from a computer. Store thousands of song titles on the internal hard drive. Album cover art is also automatically loaded. Control song selection using the IP-based OmniTouch 5.7e Touchscreen. Create a list of your favorite Internet radio stations and stream them directly through the Music Gateway.

Music Gateway delivers with 500GB of multipurpose storage and the capability to watch shared network drives for access to potentially unlimited music titles.



**Ships ready for convenient structured wiring enclosure installation.**

[www.homeauto.com](http://www.homeauto.com)

ENTERTAINMENT



**INCLUDED WITH PACKAGE**

HAI Music Gateway	84A00-1
+12VDC Power Supply	-
Documentation	-



HAI Music Gateway includes WL3 software which allows monitoring and control of an HAI home control system from any web browser device, including iPhone, iPod Touch, iPad, BlackBerry, Android Phone, and personal computer.

ENTERTAINMENT

- Features three independent stereo channels.
- Assign stereo channels to a Hi-Fi 2 by HAI system.
- Designed to be installed in a structured wiring enclosure.
- Utilizes IP-based OmniTouch Touchscreens.
- Plays audio off the built-in hard drive.
- Supports select Internet radio stations.



Learn-in IR codes with the built-in IR receiver.



Simplify interfaces by controlling your home theater via your iPad.



Extend your home control to audio/video equipment.

# NEW HAI HTX2 HOME THEATER EXTENDER



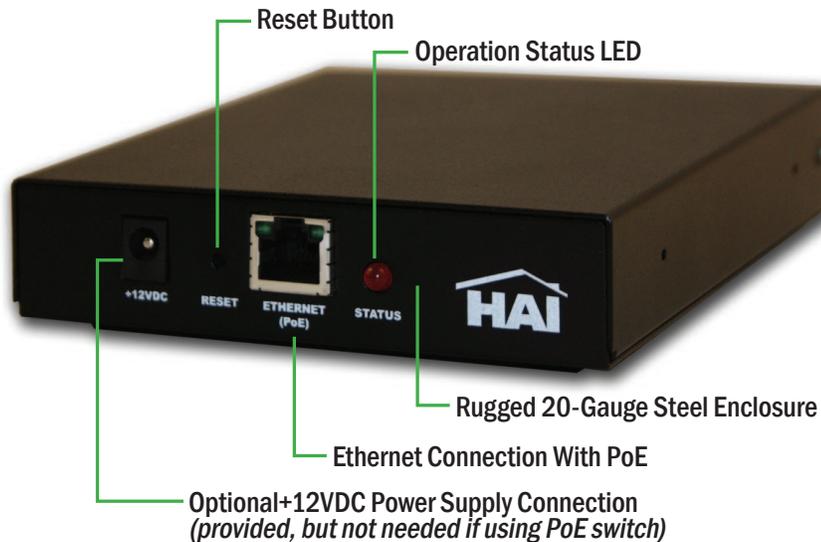
## 86A00-2

The HAI Home Theater Extender2 (HTX2) lets you extend your home control to the audio/video equipment in your home theater. The HTX2 communicates over Ethernet with an HAI IP-based Touchscreen, iPhone, iPod Touch, or iPad. Easily add components with the built-in A/V Library of over 300,000 IR codes or add new codes with the built-in IR Learner.

The HTX2 works with HAI's OmniTouch 5.7e Touchscreen or iPhone app to control your home theater equipment. HTX2 configuration requires HAI Automation Studio software (HAI Part Number 1126) which is also used to develop the Touchscreen's custom graphic interface. The HTX2 can be used with an OmniTouch 5.7e stand-alone. This feature provides the option of control without an HAI home control system. Contact closures can operate window coverings, lights, and home theater components.

HAI's IP interfaces send commands to the HTX2, which in turn controls A/V equipment using its serial ports, IR ports, and relays. The HTX2 includes four IR Flashers (emitters) that attach to the IR Receiver of any A/V equipment you wish to control.

The I/O ports on the HTX2 are used for power sensing for devices without discrete on/off IR commands. Relay ports on the HTX2 can be used to control any device that requires a contact closure, such as motorized screens or blinds. Control of multiple A/V systems is easy as there is no limit to the number of HTX2 devices that can be used in an installation.



ENTERTAINMENT

**THE HAI IP-BASED PRODUCT SUITE**

Automation Studio ties together HAI's IP-based product offerings including the HAI OmniTouch 5.7e Touchscreen, HAI Camera Server, HAI Music Gateway, HAI Home Theater Extender 2 (HTX2), and HAI Omni controllers. This range advances the exciting entertainment lifestyles market by providing more entertainment options for dealers and encouraging creative custom interface designs.

**★NEW** Create graphic pages for A/V control on your iOS devices with HTX2 Mobile Designer software or purchase a package of graphic templates from HAI.

Use serial, digital, and Infrared (IR) ports as well as relays to control home theater equipment.

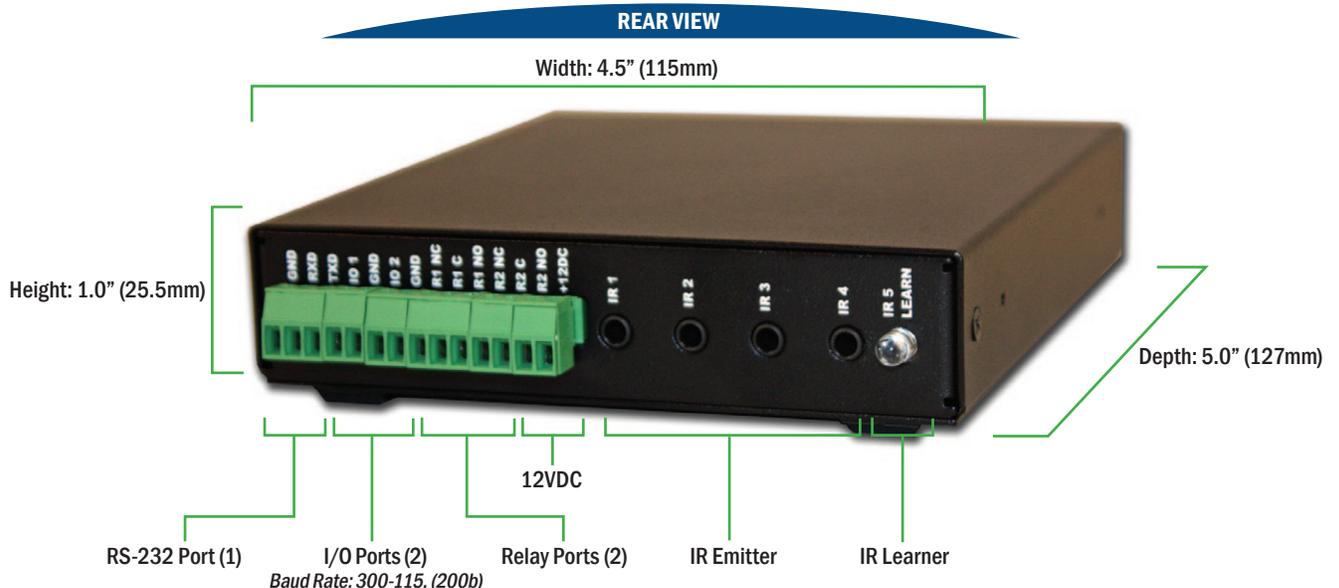
The HTX2 is an IEEE 802.3af compliant Power over Ethernet Powered Device (PoEPD).

Includes a built-in A/V Library containing over 300,000 IR codes. Also features learn-in capability for new codes.



INCLUDED WITH PACKAGE	
HTX2 IR Controller	86A00-2
+12VDC Power Supply	-
IR Flashers (4)	62A08-1
Documentation	-

ENTERTAINMENT





**HAI**

2 0 1 2 P R O D U C T C A T A L O G

# CONVENIENT INTERFACES





## More interface options equals more control

HAI offers many options to access and control your Omni or Lumina family system. Choose from a full range of Touchscreens, consoles, keypads, and software interfaces.

### Advanced Touchscreens

Easy-to-use OmniTouch family Touchscreens allow control of security, temperatures, lighting, audio, entertainment, surveillance video, ventilation, irrigation, and much more. HAI offers many colors along with in-demand user-friendly features such as a video intercom.

### The power of mobile access

HAI's software turns your BlackBerry™, iPhone™, iPad™, Windows® phone, or Android device into a remote control for your house! View surveillance video or adjust the temperature before returning home from work.

### Intuitive software

HAI has several programs that allow monitoring and control of your home via the Internet. Some software is intended to be used on a home computer, while others can be carried with you and used on any Windows® computer in the world.

### Control from your television

HAI has several software packages that allow complete home control from the comfort of your couch.

### Over the phone

All Omni family systems have built-in telephone access and Lumina family systems have an optional Telephone Access Kit. This allows menu access with voice response from phone lines inside or outside of the home.

### Beyond remote control

HAI integrates with third party remote controls for true two-way communication, allowing homeowners to see the exact lighting or audio level increase or decrease as it is adjusted. Snap-Link Mobile apps for Apple and Android devices provide the mobility today's active home needs.

### Interfaces that cater to your needs

Fit your home with security keypads that do so much more. Wireless interfaces and access control interfaces are also available to suit a homeowner's specific demands.



# HAI OmniTouch 5.7e

53A00-2

English - 53A00-2



For other available languages add language code to part number: *Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT), Simplified Chinese (CHS), Traditional Chinese (CHT), German (GER), Portuguese (POR), Arabic (AR), Russian (RU), Hebrew (HE)*

## Advanced Home Control With the OmniTouch 5.7e

The OmniTouch 5.7e is HAI's premier plug-and-play Touchscreen featuring customizable graphics and foreign language support. Monitor and control lights, small appliances, security, temperatures, pool and spa settings, ventilation, multi-room audio, surveillance video, and other essentials connected to an HAI home automation system. The OmniTouch 5.7e is compatible with HAI's OmniPro II, Omni IIe, Lumina Pro, and Lumina controllers.

## Customizable Graphic User Interface

The OmniTouch 5.7e can be customized with HAI Automation Studio software. The on-screen interface can be as unique as you are by reflecting your interests and tastes.

## Beneficial Features Homeowners Demand

The 5.7e features high end user interface capabilities in an efficient flush wall-mount application. A single Ethernet connection for all communication as well as Power-over-Ethernet (PoE) technology simplifies the installation process. Navigate between rooms and settings through high resolution graphic interfaces. Add HAI's Music Gateway and browse through media, album art, and meta-data.



View live IP camera video.



Add more style with a metal faceplate (shown in silver)



VoIP video intercom capability with full on-screen control.

## Control With Confidence

Easily adjust security settings with just a touch: arm, disarm, vacation, or away. View an event log to see who has accessed the security system and when. Also view indoor and outdoor temperatures and humidity, and adjust the heating or cooling within a room or the entire house. Humidor, wine cellar temperatures, and pool or spa water temperatures can all be monitored. Adjust lighting for any room. Easily dim or turn all lights on/off by switch, room, or the entire house.

## Interface With Many Whole-Home Audio Brands

Control Hi-Fi 2 by HAI or an audio system from one of HAI's Connectivity Partners. OmniTouch 5.7e emulates the NuVo, Russound, SpeakerCraft, Proficient, and Xantech audio keypads for a clutter-free appearance (see HAI Connectivity Partners for models).

## VoIP Intercom Capability

OmniTouch 5.7e includes built-in VoIP Intercom communication. Speak with other 5.7e Touchscreens or a Connectivity Partner's door station while viewing live video of your guest. Push and hold an on-screen button to de-activate the gate lock and let a guest inside. Intercom features adjustable auto-answer, do-not-disturb mode, and speaker/ringer volumes.

CONVENIENT INTERFACES



INCLUDED WITH PACKAGE	
OmniTouch 5.7e Touchscreen	53A00-2
Documentation	-
ACCESSORIES	
8-Port PoE Switch (stand alone)	91A00-1
8-Port PoE Switch (structured wiring backplate)	91A00-2
HAI One Port PoE Injector	90A00-1
HAI Automation Studio	1126
HAI Camera Server	87A00-1
Table Top Stand, Black	53A17-1
Color Change Kit: Almond, Plastic	53A05-AL
Color Change Kit: Light Almond, Plastic	53A05-LTA
Color Change Kit: Black, Plastic	53A05-BL
Color Change Kit: Ivory, Plastic	53A05-IV
Color Change Kit: Silver, Plastic	53A05-SL
Color Change Kit: White, Plastic	53A05-WH
Color Change Kit: Black, Metal	53A05-BA
Color Change Kit: Bronze, Metal	53A05-BRA
Color Change Kit: Gold, Metal	53A05-GA
Color Change Kit: Silver, Metal	53A05-SA

- Enhanced 5.7" full VGA LCD display with TFT technology
- 640x480 screen resolution for vibrant graphics
- HAI OmniTouch Pro Software with surveillance video capability
- 10/100 Ethernet Port for communication and power (PoE)
- Speaker for more pleasing audio tones
- Auto-dimming sensor for softer night-time display
- Built-in USB and Ethernet ports for easy firmware updating
- Foreign language versions available
- Requires Power over Ethernet (PoE) Injector

**Use HAI's Automation Studio software to add custom graphic user interfaces for each Touchscreen throughout the home. Each can be personalized graphically and with control interface icons that suit the homeowner's specific demands.**

CONVENIENT INTERFACES



# HAI OmniTouch 5.7

53A00-1

English - 53A00-1



For other available languages add language code to part number: *Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT)*

The award-winning “plug and play” color Touchscreen features large icons to control lights and small appliances, monitor and adjust security and temperatures, pool and spa temperatures, ventilation, decorative lighting, and multi-room audio under the control of an HAI home control system. HAI’s OmniTouch 5.7 is simple to install—no router, hub, or IP network is required for operation.

- Enhanced 5.7” full VGA LCD display
- Utilizes TFT technology for rich colors and improved viewing angles
- Built-in USB connector allows free firmware updates any time
- Powered by power supply and battery backup of HAI controller
- Includes white plastic faceplate; Color Change Kits available
- Compatible with all HAI controllers
- Four-wire: screen works off console bus



Check live video from each surveillance camera.



Users can freely alter their OmniTouch 5.7 settings.



With buttons, quickly initiate a series of commands or function.

### INCLUDED WITH PACKAGE

OmniTouch 5.7 Touchscreen (English)	53A00-1
Documentation	-

### ACCESSORIES

Touchscreen Hub with Enclosure (no video)	32A30-3
Touchscreen Hub on Backplate (no video)	32A30-4
Touchscreen Hub (board only)	32A31-2
Touchscreen Hub Replacement Power Supply	106080
Power Hub in Enclosure	83A00-1
Power Hub for Structured Wiring Enclosures	83A00-2
Table Top Stand, Black	53A17-1
Color Change Kit: Almond, Plastic	53A05-AL
Color Change Kit: Light Almond, Plastic	53A05-LTA
Color Change Kit: Black, Plastic	53A05-BL
Color Change Kit: Ivory, Plastic	53A05-IV
Color Change Kit: Silver, Plastic	53A05-SL
Color Change Kit: White, Plastic	53A05-WH
Color Change Kit: Black, Metal	53A05-BA
Color Change Kit: Bronze, Metal	53A05-BRA
Color Change Kit: Gold, Metal	53A05-GA
Color Change Kit: Silver, Metal	53A05-SA

CONVENIENT INTERFACES



**One Port PoE Injector**

**90A00-1**

Single port PoE injector that is fully compatible with Powered Devices that comply with the IEEE 802.3af standard. Can provide power to one HAI OmniTouch 5.7e Touchscreen or other Powered Devices (such as the HAI Home Theater Extender 2, PoE IP cameras, PoE Wireless Access Points, PoE Printer, etc.) without requiring additional power wiring to the device. Provides up to 15.4 watts of power and 10/100M data transmission through the traditional CAT-5 cable.



**Eight Port PoE Switch**

**91A00-1**

**Eight Port PoE Switch with Structured Wiring Backplate**

**91A00-2**

Power Source Equipment (PSE) device that is fully compatible with IEEE 802.3af standard compliant devices. Powers up to seven HAI OmniTouch 5.7e Touchscreens (one port must be connected to the network). PoE ports can also power other powered devices (such as the HAI HTX2, PoE IP cameras, PoE Wireless Access Points, etc.) without additional power wiring to the device. Each PoE port can provide 15.4 watts of power and 10/100M data transmission through traditional CAT-5 cable to the Powered Device.



**5.7e/5.7 Table Top Stand**

**53A17-1**

This elegant and convenient stand is perfect for bedside tables and countertops where the functionality from an OmniTouch 5.7e or OmniTouch 5.7 Touchscreen is desired. Made of durable acrylic. 7.25" W x 6" H x 5.75" D. Available in black. Touchscreen sold separately.



Plastic faceplates shown

**5.7e/5.7 Color Change Kits**

**53A05-colorcode**

Change the faceplate color on an OmniTouch 5.7e or 5.7 to match the environment of a given room. Available in plastic or anodized metal. Specify color code when ordering.

<p><b>Almond</b> 53A05-AL</p>	<p><b>Black</b> 53A05-BL</p>	<p><b>Ivory</b> 53A05-IV</p>	<p><b>Light Almond</b> 53A05-LTA</p>	<p><b>Silver</b> 53A05-SL</p>	<p><b>White</b> 53A05-WH</p>
<p><b>Anodized Black</b> 53A05-BA</p>	<p><b>Anodized Silver</b> 53A05-SA</p>	<p><b>Anodized Gold</b> 53A05-GA</p>	<p><b>Anodized Bronze</b> 53A05-BRA</p>	<p>Metal faceplates shown</p>	

CONVENIENT INTERFACES



# HAI SNAP LINK™ Mobile for iPhone

ENHANCED

## Snap-Link Mobile for iPhone

Snap-Link Mobile for iPhone puts control of your home on your Apple iPhone™, iPod Touch™, or iPad™. Simply tap the HAI logo and get instant access to your home control page.

Native support for iPad!

Available on the App Store



Simply purchase Snap-Link Mobile for iPhone from the Apple App Store and get in control of your home systems. With this app, you will command your home via secure encrypted communication over Wi-Fi or G3 cellular data networks. The app is available in iPhone, iPod Touch, and iPad supported regions for multi-lingual support. Users receive free automatic software updates. No third parties other than cellular service are required for operation. Access multiple properties from one application.

Snap-Link Mobile for iPhone requires an HAI Omni IIe, OmniPro II, Lumina, or Lumina Pro home control system to be installed in the home. No cell service plan is required thanks to Wi-Fi connectivity.

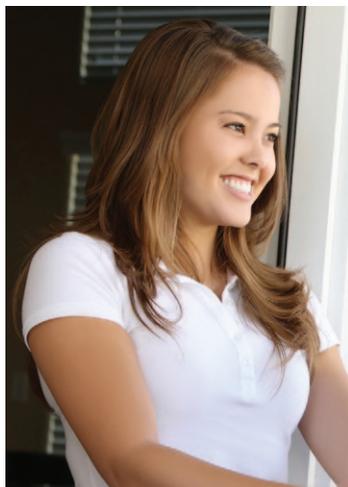


- Set lighting levels or audio from 0-100% with a sliding scale—or use quick scene buttons.
- View real time surveillance camera video—front door, nursery, pool, boat dock, etc.\*
- Adjusting heating and cooling and view humidity and outdoor temperatures.
- Arm/disarm the alarm. View a security log to monitor entry/exit activity.
- Select music sources and adjust volume levels in individual rooms or the entire house.
- Supports 13 different popular world languages with more being added.
- Access multiple accounts.

\*Requires appropriate cellular provider plan and cameras.

## Simplify with one app on multiple devices for one price

Purchase and maintain a single app for your iPad, iPhone, and iPod Touch. In late 2011, HAI enhanced Snap-Link Mobile for iPhone for optimum display on iPad. This includes introducing landscape mode and iPad-specific graphics. Additionally, HAI added the ability to segment devices into rooms, and provided integration with the HAI Dock as well as custom screens for the HTX2. Snap-Link Mobile for iPhone is the one app for accessing everything in a home automation system from every Apple device a homeowner's family may have—all without device specific accounts.



A single Snap-Link Mobile for iPhone app account can operate on multiple devices.

CONVENIENT INTERFACES



## Snap-Link Mobile for Android

Snap-Link Mobile for Android allows monitoring and control of lights, security, audio, temperatures, and webcams on handheld mobile devices. Snap-Link Mobile for Android puts control of all home functions in the palm of your hand.

Access multiple properties from one application. It tunnels directly into the HAI home control system through a secure AES encrypted connection. An HAI Omni Ile, OmniPro II, Lumina, or Lumina Pro home control system is required.

Both applications are sold without subscription fees and users receive free updates. It features secure encrypted communications over Wi-Fi or cellular data networks. The app is available in Android supported regions for multi-lingual support.



Android phones can harness the power of access and control of home systems.



Conveniently control individual lights, turn off all lights in the home or room, dim lights or adjust preset lighting scenes



View real time video of surveillance cameras. See your front door, pool, boat dock, etc.\*



Conserve energy by adjusting heating and cooling and view humidity and outdoor temperatures



Arm or disarm the alarm, view a security log to monitor activity of housekeepers, nannies, etc.



Control your Multi-Room Audio system. Select music source and adjust volume levels in individual rooms or the whole house

\*Requires appropriate cellular provider plan and cameras.



CONVENIENT INTERFACES



“The best part is that you make the installer look like a genius by making things that are simple to install and work right every time.”

*Conley Secure Innovations-Lakeland, Florida USA*



See video from your home's IP cameras from anywhere an Internet connection is available.



### HAI Snap-Link

1120

HAI's multi-award winning Snap-Link software can quickly adjust and check lights, temperature, audio, and security settings on the go. Snap-Link controls multi-room audio systems by HAI, NuVo, Proficient, Russound, SpeakerCraft and Xantech. New for 2012 are updates including access control, audio, humidity, and user settings.

Insert the Snap-Link USB drive into any Windows computer and it directly communicates through the Internet to the secure Ethernet port on your HAI system at home. No on-site computer is needed. Snap-Link is easy to use and easy to set up because it is self-contained on the USB drive. There is no installation of the program, just unplug the drive and no residue of the application is left on the computer. 128-bit AES encryption is utilized making Snap-Link vastly safer than competing products which use web pages via non-encrypted connections.

Snap-Link has *no subscription fees*. Registered users of Snap-Link can update to the latest version for FREE at any time by clicking on the update link.



Snap-Link requires an Ethernet-enabled HAI home control system such as the OmniPro II, Omni IIe, Lumina Pro, or Lumina.



CONVENIENT INTERFACES



Small and simple, the Snap-Link USB drive can be installed quickly and securely.



Log in and change home settings in lighting, temperature, audio, and security.



Conserve energy while maintaining the comfort level. Adjust heating and cooling by zone. View humidity and outdoor temperatures. Adjust settings before leaving work.



Select music source and adjust volume levels in rooms or whole house. Control Hi-Fi 2 by HAI or a system from one of HAI's Connectivity Partners.



Check and adjust lighting scenes. Dim lights, set timers, control each light, or turn all lights on/off by room or entire house.



Monitoring and controlling security features is easy. Arm or disarm the alarm, view a security log, or select to bypass or restore an individual zone (area).



Use IP cameras to see your home from anywhere in the world. Scroll through cameras to view boat docks, front doors, pool areas, etc. Check up on sick or elderly relatives when you can't be physically present. Record video based on motion, event, or time.



# HAI Software Leads the Way in Automation Innovation and Convenience

## WL3 for Windows® Home Server

**1112**

An add-in for a Windows® Home Server, WL3 allows monitoring and controlling of an HAI home control system from any web browser device, including iPhone, iPod Touch, BlackBerry, Windows Phone, Android Phone, and personal computer.

As a central server, the Windows Home Server stores, organizes, protects, and allows you to share all of your digital photos, music, video, and documents, while running quietly in the background. And with WL3, access expands beyond entertainment allowing changes in a home's temperatures, adjusting the lights or security settings, or viewing any supported camera securely and easily.

WL3 automatically configures supported UPnP IP cameras on your home network and allows manual configuration of other IP cameras on the network or cameras that reside anywhere on the Internet. View camera video captured from your home or from public IP cameras around town, such as traffic and weather cameras.

WL3 natively supports 60 IP camera models, however, most MJPEG and JPEG cameras should function properly. Setup is simple: WL3 automatically discovers the supported UPnP IP cameras and configures them. Other cameras can be added by simply configuring their IP addresses, usernames, and passwords. Regardless of the brand of camera, the video is displayed in the WL3 format so that all camera feeds have a consistent look and feel. Easily select any camera, choose the frame rate and screen size, manually start and stop video recording, take a snapshot of the video image, and play, pause, or stop the video stream.



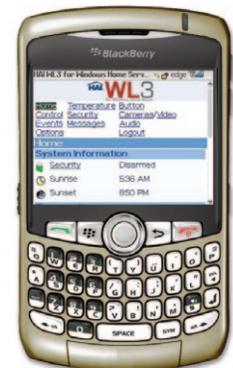
Use iPhone™ or iPod™ Touch in portrait or landscape format.



The HAI Music Gateway includes WL3 for added video utility.



View live or recorded video on any notebook computer, including Apple®.



Change the temperature from your BlackBerry™ with WL3.



*WL3 requires an HAI home control system equipped with an Ethernet port and Windows® Home Server.*



Records video based on an event and can send e-mails or text messages to inform you when an event occurs. View recorded videos and snapshots anytime you log in locally or via the Internet. Video can be played at normal, accelerated, or frame-by-frame speeds.



WL3 for Windows Home Server continually monitors the home, informing you of events such as the alarm system being disarmed or activated, a car entering the property, or even if the wine cellar door or pool gate has been opened.



WL3 for Windows Home Server is customizable. Change the user interface by applying different graphic and color schemes. Add RSS feeds for custom data, such as weather forecasts, sports scores, news, personal blogs, and much more to your WL3 Home Page.

CONVENIENT INTERFACES



### Automation Studio

1126

HAI Automation Studio is a software package developed to allow customization of graphic interfaces and foreign language support for HAI's Ethernet-based Touchscreens including the 5.7e. With Automation Studio, complete control is gained over look, feel and function of individual Touchscreens, IP or analog surveillance cameras are set up, and the HAI Home Theater Extender 2 (HTX2) can be configured.

With Automation Studio, vivid, user-friendly graphic interfaces can be developed based on a homeowner's lifestyle and interests. Go beyond standard default screens by customizing Touchscreen interfaces with HAI Automation Studio software.

Automation Studio provides a WYSIWYG (What You See Is What You Get) editor that allows you to create Touchscreen pages in a drag-and-drop environment, and see exactly how the page will look without having to first download the design to a Touchscreen.

To encourage expansion of the Automation Studio user community, HAI developed an Online Learning Center complete with a forum. How-to multimedia videos that discuss various application processes step-by-step are also just a click away at any given time. Users can bookmark the Online Learning Center for later reference or a quick refresher on a number of powerful tasks available in Automation Studio.



Create a theme that appeals to the homeowner's hobbies or interests.



Explore the possibilities of personalized graphic interfaces.



Construct elaborate graphics in a third party editing software and import into Automation Studio.

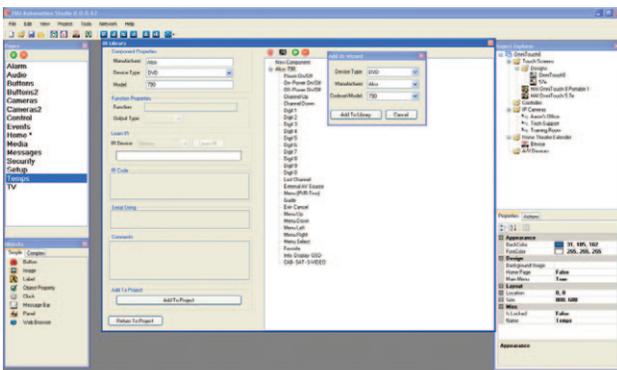


Add a custom graphic to your Touchscreen interface such as a floor plan or dealer logo.

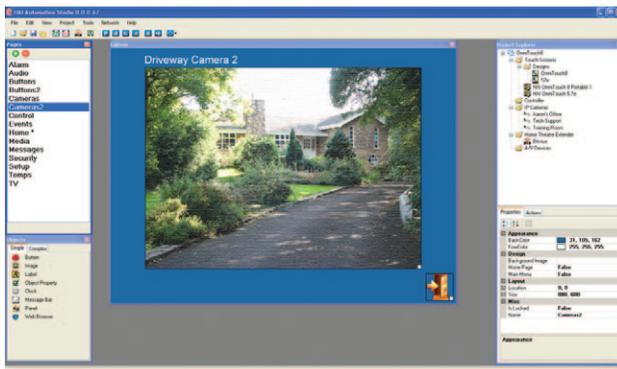
CONVENIENT INTERFACES



A wealth of options are available to organize screen content.



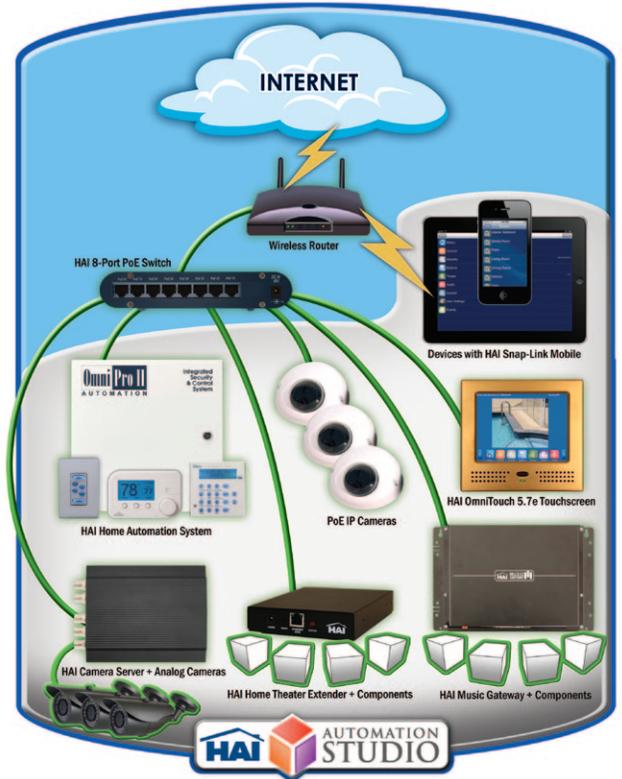
The A/V Library's Component Database adds device control.



Add a camera device to view live video on a Touchscreen.



Organize multimedia remote controls to suit specific requests.



### THE HAI IP-BASED PRODUCT SUITE

Automation Studio ties together HAI's IP-based product offerings including the HAI OmniTouch 5.7e Touchscreen, HAI Camera Server, HAI Music Gateway, and the HAI Home Theater Extender 2 (HTX2). This range advances the exciting entertainment lifestyles market by providing more entertainment options for dealers and encouraging creative custom interface designs.

#### INCLUDED WITH PACKAGE

Automation Studio Installation CD 1126

#### REQUIREMENTS

Microsoft Windows 2000/XP/Vista/7

.Net 2.0 or Higher

1.2Ghz Intel Pentium 4 Equivalent or Higher

1GB Physical Memory

512MB Free Disk Space

CONVENIENT INTERFACES



# HAI OmniTouch PRO



HAI OmniTouch Pro shown on an iLi Touchscreen

## OmniTouch Pro

HAI's OmniTouch Pro is an intuitive touchscreen interface application for a third-party PC or PC touchscreens that provides access to security, lighting, temperature, audio/video, surveillance cameras, and more. OmniTouch Pro features HAI default interface designs (as included with HAI's OmniTouch 5.7e Touchscreen) which are applicable to many Windows tablets and Touchscreens. This default interface can be customized using HAI Automation Studio software (HAI part number 1126). Two HAI Camera Servers (for a total of eight surveillance cameras) can be added without the need for Automation Studio. OmniTouch Pro is available in eight different languages and multiple resolutions.

1131



## OmniTouch Pro Software Bundle

Most installations will have multiple touch screens installed throughout. HAI offers a more economical solution for these situations: the OmniTouch Pro Software Bundle (1131X3). When you order this product, you receive three OmniTouch Pro licenses good for three different touch screen installations. By ordering this bundle you save 10% compared to the cost of three OmniTouch Pro licenses purchased separately. Order part number 1131X3 today for your next installation!

1131X3



CONVENIENT INTERFACES

## Additional HAI Remote Partners

HAI has formed partnerships to expand interface offerings to their touch screens.



### OmniTouch Pro Partners



### Remote Partners





**ENHANCED**

## PC Access

## 1105W/1106W/1111

PC Access features set up, programming, and monitoring of a home control system over a modem or by a serial or network connection. PC Access is the only software product HAI offers that has the ability to program an HAI home control system. It also fully integrates with HAI Automation Studio software.

New commands for comparing temperatures (example: indoor vs. outdoor), timers, humidity, thermostat settings, and more make innovative energy-saving strategies easier. HAI has also made it easier for customers to make adjustments to their systems (altering wake-up times, "away" temperatures, holidays) without changing the system's programming.

With the auto-completion feature, PC Access speeds the programming process by jumping to a command after the first few letters of a program line are typed.

**All versions of PC Access support multiple languages. Simply select your language of choice at installation.**

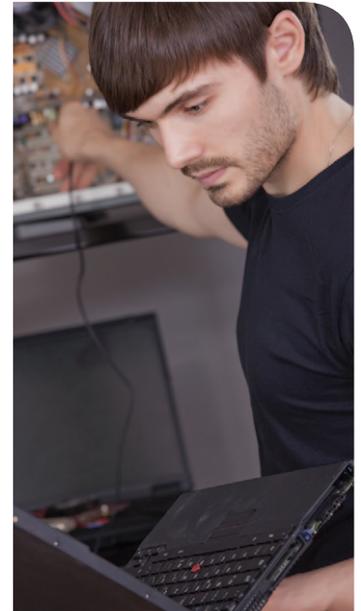
Dealer Version  
1105W



End User Version  
1106W

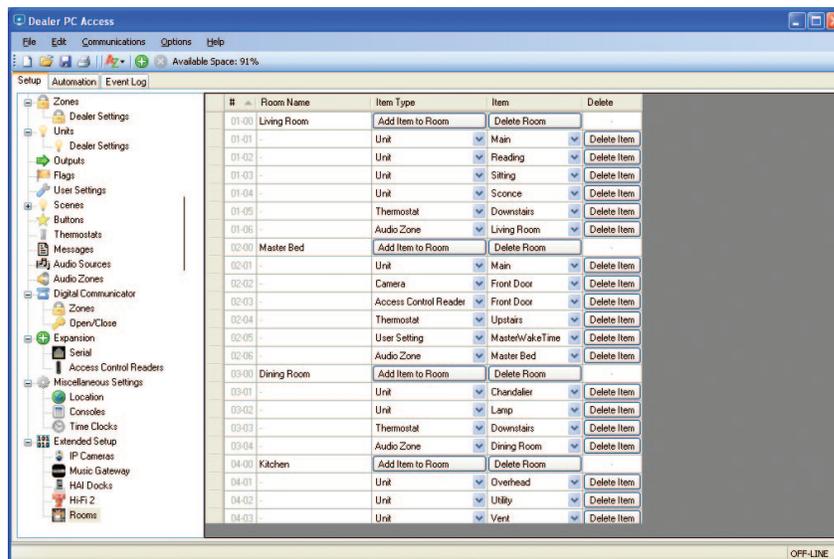


Lumina Version  
1111



**PC ACCESS**

Registered users receive free updates.

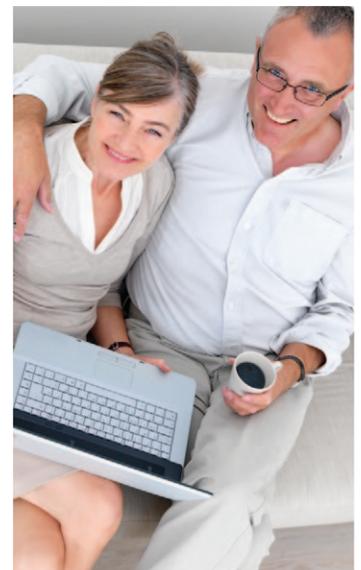


**New for 2012, assign devices to rooms!**

- ZIP code wizard
- Account summary page
- Easy tree-based navigation
- Fewer mouse clicks and keystrokes
- Integrated help and documentation
- All lists can be sorted and/or filtered
- Supports longer, more descriptive "friendly" names
- Ability to name UPB™ links and other lighting scenes
- Integrated firmware updater for new flash-enabled controllers
- Simplified set up: names and properties of an object edited on a single page

**Enhanced automation programming features include:**

- Multiple triggers, conditions, and commands in a single statement
- Save programs for reuse
- Add comments to programs
- Simplified program editing
- Search and replace



CONVENIENT INTERFACES

**Web-Link II  
1108**

Access and control an HAI system over the Internet. Check and adjust temperature, lights, security, and audio via a PC, PDA, or web-enabled phone. Offers video surveillance and recording over the Internet, wireless access, the ability to receive e-mail or text messages based on programmed events, and record video based on alarm or event. The program runs on your home server or PC. Registered users receive free updates. Enhanced for Windows 7 32-bit.

**Home Control for  
Windows® Media Center  
1109**

Runs on a Windows® Media Center computer to control lighting, temperatures, security, and audio on a television using a single Media Center remote control. Play, pause and record live TV, store digital music, videos & photos, browse the Internet, check e-mail and run Windows® applications. Coordinate security, temperature, lighting, and audio for comfort, convenience and safety. Registered users receive free updates. Enhanced for Windows 7 32-bit.

**SPECIFICATIONS****HAI Software Comparison Chart**

	HAI Home Control	Snap-Link	iPhone/iPad App	Android App
<b>Part Number</b>	1109	1120	1120A	1120C
<b>Access via Internet</b>	Remote Desktop	Yes	Yes	Yes
<b>Dedicated Computer On-site</b>	Yes****	No****	No	No
<b>Client Software</b>	Application	No (runs on client)*	No (runs on client)	No (runs on client)
<b>Installation Components</b>	No	No installation (Plug and Go)*	Application	Application
<b>Subscription Fee</b>	No	No	No	No
<b>Video Surveillance</b>	Yes	Link to installed IP Web Camera	Yes	Yes
<b>Video Recording</b>	Yes	No	No	No
<b>Notifications</b>	Pop-up notifications, audible, and visual	E-mail, messaging, pop-up notifications, visual	No	Yes
<b>User Interface</b>	Televisions with remote control	PC application	iPhone App	Android App
<b>Additional Interfaces Supported</b>	Additional television/monitors using Media Center Extenders	PC Touchscreen	Apple iPod Touch™ and iPad™	Android Mobile Devices
<b>Configure System</b>	No	No	No	No
<b>Program System</b>	No	No	No	No
<b>Create Rules/Alerts</b>	Yes	Yes	No	No
<b>Change Description</b>	No	Yes	Yes (hide/show)	No
<b>Web Updates</b>	Yes	Yes	Yes	Yes
<b>RSS (Real Simple Syndication)**</b>	No	No	No	No
<b>Operating Systems</b>	Windows XP Media Center Edition software, Windows Vista Home Premium, Windows 7	Windows ME and higher	iOS 3.0 or later	Android OS 2.1 or later

\* Does not require installation on PC. Application can run from thumb drive, flash drives, or other removable media.

\*\* Displays RSS feeds such as latest news, weather reports, personal blogs, and much more.

\*\*\* Compatible Vista versions are Windows® Vista Home Premium, Vista Ultimate, Vista Business, or Vista Enterprise.

\*\*\*\* WL3, HAI Web-Link II, Home Control for Windows Media Centers, Snap-Link and PC Access will work together as long as you do not exceed the limit of three simultaneous sessions.

CONVENIENT INTERFACES



**HAI Software Combo  
1110**



Web-Link II and Home Control for Windows® Media Center software bundled together for homeowners who want even greater control and more connectivity options. Enhanced for Windows 7.



	WL3	Web-Link II	PC Access	OmniTouch Pro
<b>Part Number</b>	1112	1108	1105W, 1106W, 1111, 1105WSP	1131
<b>Access via Internet</b>	Yes	Yes	Yes	Yes
<b>Dedicated Computer On-site</b>	Yes****	Yes****	No****	No
<b>Client Software</b>	No (uses standard web browser)	No (uses Standard web browser)	Yes (installed on client)	No (runs on client)
<b>Installation Components</b>	Application	Web server and application	Application	Application
<b>Subscription Fee</b>	No	No	No	No
<b>Video Surveillance</b>	Yes	Yes	No	Yes
<b>Video Recording</b>	Yes	Yes	No	No
<b>Notifications</b>	E-mail, messaging, and visual	E-mail, messaging, and visual	No	Yes
<b>User Interface</b>	Web Browser	Web Browser	PC application	PC Application
<b>Additional Interfaces Supported</b>	iPhones™, BlackBerry™, PDA's, Smartphones, Web Tablets, and Touchscreens	iPhones™, BlackBerry™, PDA's, Smartphones, Web Tablets, and Touchscreens	None	PC Touchscreens
<b>Configure System</b>	No	No	Yes	No
<b>Program System</b>	No	No	Yes	No
<b>Create Rules/Alerts</b>	Yes	Yes	No	Yes
<b>Change Description</b>	Yes	Yes	No	Yes
<b>Web Updates</b>	Yes	Yes	Yes	Yes
<b>RSS (Real Simple Syndication)**</b>	Yes	Yes	No	Yes
<b>Operating Systems</b>	Windows Home Server	Windows XP Professional, Windows 2000, Windows Server 2003, Windows Vista***, Windows 7 Pro/Ultimate	Windows 98E & higher, Windows Vista Ultimate, Windows Vista Home Premium, Windows 7	Microsoft Windows XP, Vista, or Windows 7

CONVENIENT INTERFACES



## HAI takes great pride in the compatibility of our products.

HAI continues to develop relationships with other manufacturers in the industry to integrate our products with theirs. These efforts provide flexibility for the homeowner to add and upgrade products as desired.

### Access Control

Black & Decker  
www.bdhii.com

### Audio & Video

AMX  
www.amx.com

Atlona  
www.atlona.com

Audio Authority  
www.audioauthority.com

Autonomic Controls  
www.autonomichome.com

AVocation  
www.avocationsystems.com

Crestron  
www.crestron.com

Elan  
www.elanhomesystems.com

NuVo  
www.nuvotechnologies.com

Philips  
www.pronto.philips.com

Proficient Audio Systems  
www.proficientaudio.com

Rave  
www.ravetechnology.com

Russound  
www.russound.com

SpeakerCraft  
www.speakercraft.com

Xantech  
www.xantech.com

Zektor  
www.zektor.com

### Design Tools & Services

D-Tools  
www.d-tools.com

GUI Ja Board  
www.guijaboard.com

InfuseboX  
www.infusebox.com

Mobile Technology  
mrgolden@earthlink.net

Only One Remote  
www.onlyoneremote.com

### HVAC

Coolmaster  
www.coolautomation.com

### Interfaces

2N  
www.2n.cz/en

AMX  
www.amx.com

Borg Displays  
www.borgdisplays.com

Charmed Quark Systems  
www.charmedquark.com

Connected Hearth  
www.connectedhearth.com

HomeLogic  
www.homelogic.com

HomeSeer  
www.homeseer.com

ili Limited  
www.ili.co.nz

Myro Control  
www.meetmyro.com

Nullriver  
www.nullriver.com

*“The fact that HAI is one brand—one system—that also integrates with a lot of other product lines out there gives it an outstanding advantage for the installer and the client.”*

*Inspired Automation—Pakenham, Victoria, Australia*

Omnipotence Software  
www.omnipotencesoftware.com

Samsung  
www.samsung.com

Total Control  
www.totalcontrolapp.com

Universal Remote Control  
www.universalremote.com

**Irrigation**

GreenField Direct  
www.greenfelddirect.com

KZValve  
www.kzvalve.com

WGL & Associates  
www.wgl designs.com

**Lighting (110VAC)**

Centralite  
www.centralite.com

Clipsal  
www.clipsal.com

Leviton  
www.leviton.com

Lightolier Controls  
www.lolcontrols.com

LiteTouch  
www.litetouch.com

Lutron  
www.lutron.com

PCS  
www.pcslighting.com

Smarthome Mfg  
www.smarthomemfg.com

Stewart Electronics  
www.stuartelectronics.com

**Lighting (220/230/240VAC)**

Centralite  
www.centralite.com

Clipsal  
www.clipsal.com

Dynalite  
www.dynalite.com

Eloka  
www.eloka.net

Lutron  
www.lutron.com

Philips Dynalite  
www.lighting.philips.com

PLLC  
www.pllc.com.au

**Security**

DSC  
www.dsc.com

Cartell  
www.cartell.com

iON Security  
www.ion-digital.com

Luxul Wireless  
www.luxulwireless.com

Sequel Technologies  
www.sequeltechnologies.com

**Structured Wiring**

Home Director  
www.homedirector.com

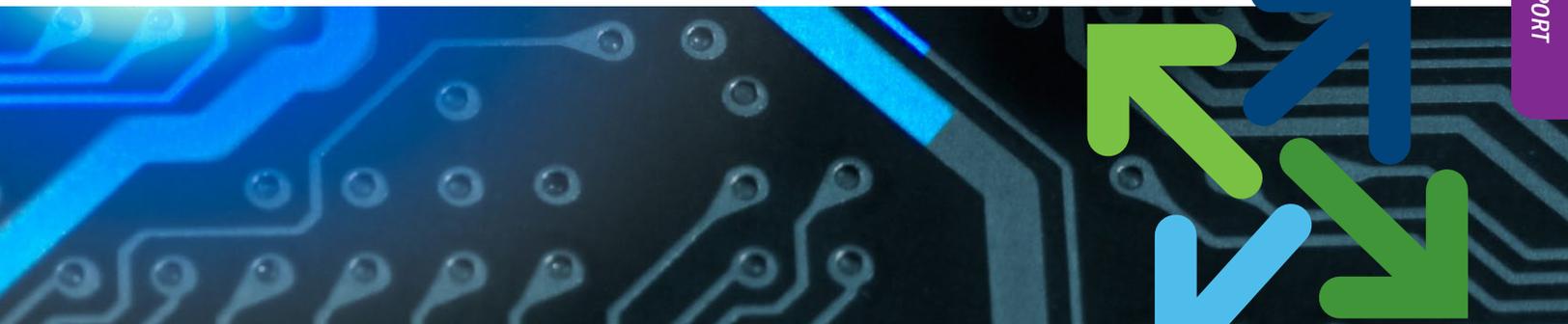
Legrand  
www.onqlegrand.com

Leviton  
www.leviton.com

**Window Coverings**

Lutron  
www.lutron.com

SOMFY  
www.somfysystems.com



Trademarks and/or service marks are the property of their respective owners.



*With the HAI systems in place... homes sell 50% faster and at prices 3-5% higher than before.*

*K. Eckhaus, Builder  
Las Vegas, Nevada, USA*



## Sell more homes and set yourself apart from the competition—

### Offer home technology from the premier manufacturer of home control systems.

- LEED Points
- Model Home Product Rebates
- Free Homeowner Benefits Literature
- Model Home Support Kit
- CSI Format Architectural Specifications
- CEA TechHome Rating System
- HAI Yard Signs
- “Protected by HAI” Window Decals
- Customizable Volume Packages Available
- International Network of Trained Dealers/Installers
- Training Available for Builder’s Preferred Installers
- Microsoft® Visio and D-Tools Stencils
- HAI features builder projects on homeauto.com

Contact HAI or one of our Distribution Partners or Dealers for information regarding our Builder Partner Program to start selling more homes faster today.

#### TechHome Rating System

The TechHome Rating System was developed by the Consumer Electronics Association to help builders evaluate and compare the level of installed technology in the home. Learn how to increase the value of the home and maximize the return on investment. Evaluate the home based upon categories including Home Entertainment, Communications, PC Networking, Home Security, Home Comfort (Energy Management), and Structured Wiring System. How do the homes you're selling rate? Download a copy of the TechHome Rating System at [techhome.com/resources.html](http://techhome.com/resources.html) or [www.homeauto.com](http://www.homeauto.com).

#### LEED Certification

Many of HAI’s products can help you achieve a LEED qualified house. Our products add points to your build, and could propel you into a higher qualification. Check HAI’s Featured Project page on [homeauto.com](http://homeauto.com) for LEED applications.



HAI SUPPORT

## The resources software developers need to interface with the best in home automation.

The HAI Developer Support Program was created for software developers who want to generate software that works with HAI products.

To join the HAI Developer Support Program, complete an application for approval by HAI. Every Developer Support application will be processed by HAI's Director of Technical Services within two business days.

Once approved, the software developer will have access to the following resources:

- Programming protocols, SDK, documentation, and examples
- A forum for developers to share experiences or ask questions
- Dealer level access to HAI's Knowledge Base
- All HAI manuals, including installation manuals
- High-resolution versions of HAI logos and product images



## HAI's E-Learning Center ★NEW

HAI's brand new E-Learning Center weaves together all of HAI's many online resources including demonstration videos, recorded webinar presentations, application notes, and manuals. All information is laid out in courses and categorized by product type. Access from your web-enabled mobile phone!



HAI SUPPORT



### Benefits of Being a Listed Dealer

**Improved visibility to homeowners.** Consumers considering home automation visit [homeauto.com](http://homeauto.com) and find your company through HAI's dealer lookup pages.

**Sales leads.** Receive leads generated from HAI's marketing and sales efforts.

**Broader access to Knowledge Base.** Gain access to more Knowledge Base articles than the general public.

**Marketing assistance.** Download and use HAI's logos and high-quality product imagery for marketing your company. HAI provides free literature delivered to your door.

**Early access to information.** Be the first to receive information about HAI's new product releases. Also receive monthly Dealer Newsletters.

**Model homes promoted.** Have your model homes posted on [homeauto.com](http://homeauto.com).

**Forum support.** Connect with other dealers and get your questions answered.

**Five Star Dealer consideration.** Join an elite group of HAI Listed Dealers.



### How Do I Become an HAI Listed Dealer?

In order to become an HAI dealer listed on HAI's website, you must meet the following requirements:

- Attend at least one HAI training class.
- Complete the installation of at least three HAI systems.
- Agree to strictly adhere to standards as instructed in HAI training classes.
- Commit to providing professional excellence and customer service in the installation of all HAI products.

Upon satisfying these requirements, complete an online application on the Guest Dealer Support Website. Your application will be reviewed by HAI's sales staff, including the Sales Territory Manager responsible for your area. When you are approved, you can begin enjoying the benefits of being an HAI Listed Dealer.

### HAI Five Star Dealer

The HAI Five Star Dealer program acknowledges HAI's outstanding dealers each year for their loyalty to HAI's products, expertise in their field, the number of installations of HAI systems done in the previous calendar year, and marketing savvy.

HAI's Five Star Dealers receive an enhanced dealer listing on the HAI website with the HAI Five Star Dealer logo. Each Five Star Dealer receives the HAI Five Star Dealer logo to use in their marketing. These dealers also receive a wall plaque proudly displaying their Five-Star Dealer status to customers that visit their office.

To be considered for Five Star status, every HAI Listed Dealer (including current Five Star Dealers) submits an annual application. You must be an HAI Listed Dealer to be eligible for Five Star Dealer consideration.

Five Star Dealer



HAI SUPPORT

### Factory Training

Factory Training is a two-day event at HAI’s headquarters, located in New Orleans, Louisiana. Choose from *Factory 201: Installation & Programming* or *Factory 301: Automation Studio*. Detailed installation and system programming instruction is provided. Attendees work hands-on with a home control system and computer to install and set up an HAI system. There is a fee for both classes. Seating is limited.



[www.homeauto.com/training](http://www.homeauto.com/training)

HAI Training is intended for HAI Dealers, professional installers, and building contractors.

### Free Classroom Training

HAI offers FREE classroom training that may be directly sponsored by HAI, or by an HAI Wholesale Distribution Partner where they are called VIP Workshops. All HAI classes have the benefit of an HAI employee instructor. Classes include:

**HAI Installation Training · HAI New Products · Hands On Training · Hi-Fi 2 by HAI · Introduction to Home Automation · Automation 101 · HAI Application Programming · Whole House Lighting Control & Home Automation · Designing a Home Automation System**



VIP Workshops are sponsored by HAI Wholesale Distribution Partners.

### Online Training Videos & Presentations

Training videos are available to Dealers and Distributors on the Dealer Support and Distributor Support websites. Additionally, HAI offers webinars that provide the same training that is available in its Free Classroom Training.

### International Training

Visit [www.hai-international.com](http://www.hai-international.com) often for classes scheduled in various countries around the world.

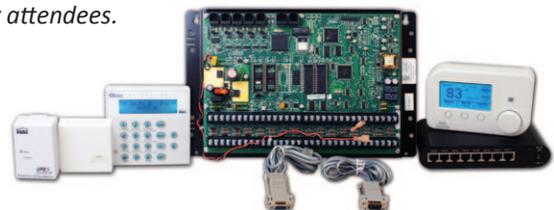


Several classes are eligible for credits—and many classes carry state approvals.

### Regional Factory Training

To meet requests for additional hands-on training, HAI is bringing its factory to you. In the Regional Factory Training experience, each participant is given instruction to design, connect, program, and customize their own system. Included in the agenda is security, lighting control, thermostat and energy management, camera hook ups, OmniTouch Touchscreen configuration and customization, audio distribution, full logic programming and more. These classes give installers the opportunity to purchase an HAI OmniPro II home control system. Each attendee uses their OmniPro II throughout the course, and can then install it in their own home, lab, or showroom. *The purchase of 12ASpecTrainKit is required for attendees.*

**HAI PART NUMBER: 12ASpecTrainKit**  
*Regional Factory Training Kit*



**INCLUDED WITH PACKAGE**

HAI OmniPro II Controller for Structured Wiring	20A00-8	HAI ER I/O Temp & Humidity Sensor	31A00-8
HAI Omni Console	33A00-1	Serial Connectivity Cable	36A05-4
HAI 8-Port PoE Switch	91A00-1	Serial PC Cable	21A05-2
HAI Omnistat2 Communicating Thermostat	RC-2000WH	UPB Powerline Interface Module w/Cable	36A00-1



## Unparalleled support: HAI provides Dealers and Distributors a wealth of proven tools for success.

### Dealer and distributor websites

HAI maintains separate Dealer support and Distributor support websites that share common offerings. To keep them secure, a user ID and password login is provided.

Dealers who have not yet been confirmed as HAI Listed Dealers can still log in to the Dealer support website as a Guest for a limited access view of all that is available.

### Downloads

Download all product materials including owners manuals, installation manuals unavailable on the HAI public website, product technical sheets, and quick start guides. Also available for download are all brochures, integration notes for Connectivity Partner products, manufacturer's suggested retail price, minimum advertised price (distributor support only), and return authorization forms.

### Updates from HAI

Technical Advisories are important alerts regarding installation issues, and Technical Bulletins are important alerts regarding product issues.

Dealers and Distributors each receive monthly newsletters, which bundle all of the month's notable information, including upcoming trade shows, new product releases, training dates, technical support, and press releases.

### Knowledge Base: 24/7 support

HAI's Knowledge Base at <http://kb.homeauto.com> is composed of documents formulated by HAI's Technical Support team. The Knowledge Base is available for 24/7 support. HAI Listed Dealers and Distributors can access this resource via their respective support websites. HAI's Online Forums also allow open sharing of ideas, applications, and setups.

### Training

HAI provides online training classes for convenient viewing by Dealers and Distributors. Additionally, HAI offers Dealer and Distributor-only webinars.

### Sales leads

HAI provides Listed Dealers and Distributors valuable sales leads for their area.



### Program and adjust from anywhere in the world

Dealers and Distributors can download HAI’s Omni-Link serial protocol or Pro-Link protocol documents to learn how to create an application that communicates with an HAI controller via a serial port.

Omni-Link II and Omni-Link protocol supports Ethernet applications utilizing Internet protocols. For applications that communicate with an Ethernet port, Dealers and Distributors can download an API Kit.

The Application Directory is an invaluable document containing a host of applications and programs for PC Access. It also contains helpful information on troubleshooting and programming conventions.

### Marketing materials

HAI offers printed literature that can be ordered for FREE to use as informational sales material for end users. The following pieces are currently available:

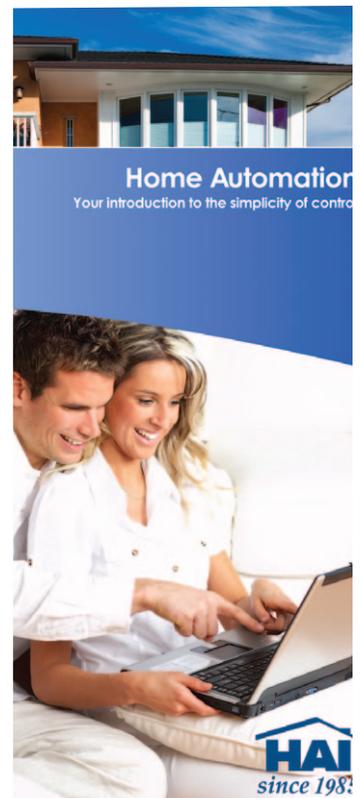
- Energy Management Brochure
- Entertainment Brochure
- Convenient Interfaces Brochure
- Safety & Security Brochure
- *What is Home Automation?* Handout
- *Learn About Home Automation* Booklet
- Building Management Booklet
- HAI 2012 Product Guide

Flash commercials and demonstrations can be downloaded and used on Dealer or Distributor websites, in sales presentations, or product demonstrations. Several sales videos are available to view and download.

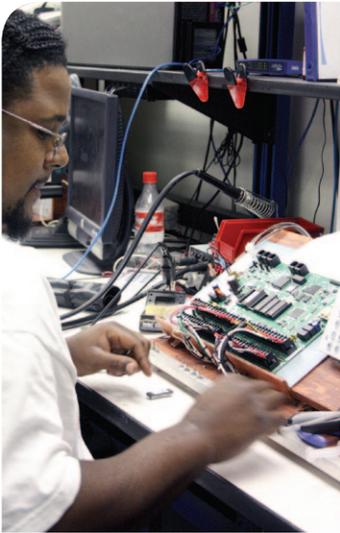
HAI goes further by offering the *Automation Simplified® Training & Marketing Materials CD* for free. This CD contains a wealth of HAI marketing materials, product technical sheets, manuals, quick start guides, product demos, application directory, PowerPoint training presentations, and videos.

Dealers can order the **Model Home Support Kit (part #SA-23)** through regular distribution channels. This kit includes discreet wall displays to articulate the benefits of an HAI automated home and a pair of attractive HAI yard signs. Also included is a supply of the newest *What is Home Automation?* handout which introduces the concept of home automation to end users.

**HAI Yard Signs (part #SA-30) and HAI Window Decals (part #SA-31)** are also available through the HAI Online Store (dealer support website only). The HAI Online Store is your source for repair and replacement parts, as well as HAI firmware upgrades.



HAI SUPPORT



HAI's Dudley Malveaux, Test & Repair Technician, performing quality assurance testing.

## HAI stands behind our products with industry leading support and customer service.

HAI provides several Technical Support resources for our network of professional installing dealers:

- HAI Territory Sales Managers
- HAI 800 Technical Support: 800.229.7256 Option 1, or x400
- HAI Online Knowledge Base at <http://kb.homeauto.com>
- HAI Parts & Repair Department
- Warranties on all HAI products
- HAI Dealer Online Forum

Visit [www.homeauto.com](http://www.homeauto.com) for additional support and service information.

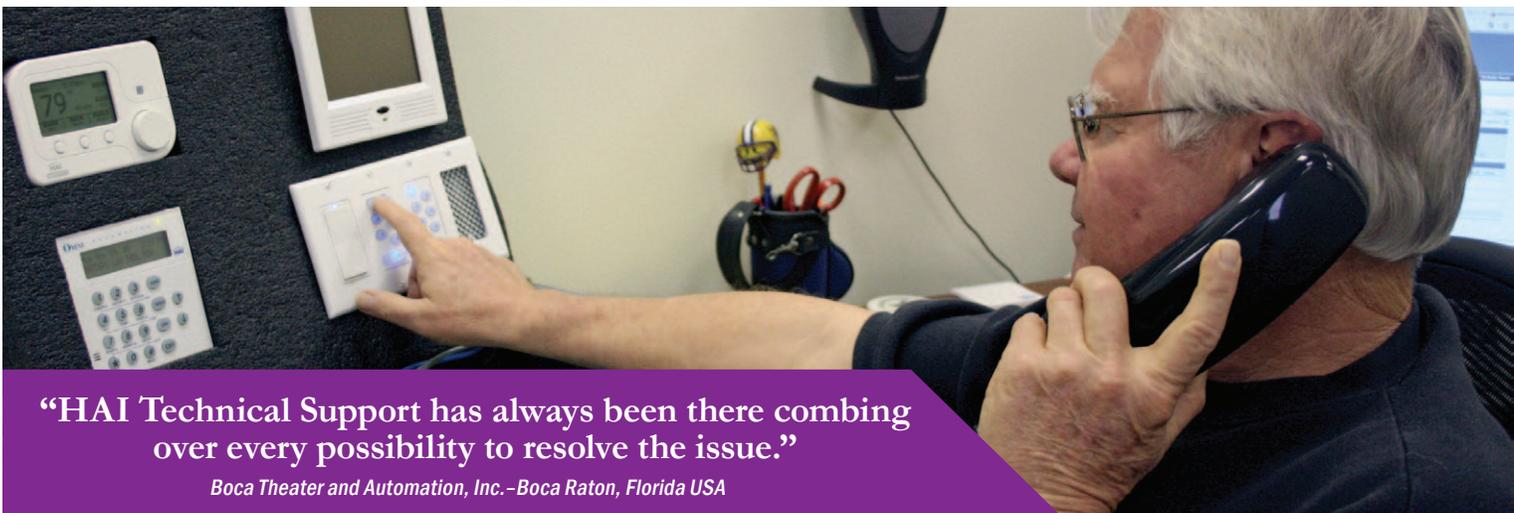


HAI's Ernie Sieber, Technical Support Supervisor, inspects HAI Access Control Readers.

# Technical Support

800.229.7256 x400 • [support@homeauto.com](mailto:support@homeauto.com)

HAI's Tom Cressionnie, Technical Support Specialist, providing step-by-step assistance to a caller.



**“HAI Technical Support has always been there combing over every possibility to resolve the issue.”**

*Boca Theater and Automation, Inc.–Boca Raton, Florida USA*

HAI SUPPORT

## HAI Dealer Support Tools



### *MicroControl Energy Management Demo Case* **18A00-20**

Features several HAI ZigBee wireless products to demonstrate energy savings capabilities. Includes: HAI MicroControl (81A00-2WHZB), Omnistat2 PCT (RC-1000WHZB), and 15A Plug-In Load Control Module (89A00-1ZB). Eye-catching color graphic adhered to a foam insert keeps everything secure during travel.



### *Hi-Fi 2 by HAI Demo Case* **18A00-15**

Demonstrate the power of Hi-Fi 2 by HAI with this complete standalone kit. Includes: Hi-Fi 2 by HAI (95A01-1), one Volume Source Control (95A03-1), one Remote Input Module (95A04-1), and a Hi-Fi 2 Remote Control (95A05-1). Eye-catching color graphic adhered to a foam insert keeps everything secure during travel. *Note: Touchscreen, HAI Dock, and MP3 player images are printed on graphic only and are not included.*



### *OmniPro II Demo w/OmniTouch & HAI Lighting Control* **18A00-13**

OmniPro II controller, LCD console with built-in speaker, OmniTouch 5.7e Touchscreen, RC-2000WH Omnistat2 Thermostat, HAI Lighting Control (Scene Switch and 600W Dimmer), UPB™ Powerline Interface Module with cable, wireless router, and Voice Module all in a travel case. Demo programs included. *For other languages add language code to part number: **Latin American Spanish (SPA), French (FR)***



### *Lumina Demo Case* **18A00-14**

Lumina controller, LCD keypad w/built-in speaker, OmniTouch 5.7 Touchscreen, RC-2000WH Omnistat2 Thermostat, HAI Lighting Control (House Status Switch, Scene Switch, Mode Switch, 600W Dimmer), UPB™ Powerline Interface Module, and Phase Coupler all in a heavy duty travel case. Demo programs included.



### *International Demo Case* **18A00-16**

Includes all items from 18A00-13 but with Access Control in place of HLC. Features a universal worldwide power supply. A great demo solution for HAI's international customers. Packaged in a heavy duty black travel case. *For other languages add language code to part number: **Latin American Spanish (SPA), European Spanish (SPE), Italian (IT), French (FR), Catalan (CAT)***



### *Demo Adapter Kit* **18A00-5**

Demo adapter board, instructions. For Omni Ile, OmniPro II, Lumina, and Lumina Pro.



HAI SUPPORT



## SPECIFICATIONS

### Maximum Cable Length (5.7e to controller) Based on Wire Gauge/Type

Wire Gauge	Solid/Stranded	# Positive Conductors	# Ground Conductors	Max Cable Length (ft.)
24	Solid	1	1	113
24	Solid	2	2	227
24	Solid	3	3	340
22	Solid	1	1	180
22	Solid	2	2	360
22	Stranded	1	1	166
20	Solid	1	1	287
20	Stranded	1	1	267
18	Solid	1	1	456
18	Stranded	1	1	420
16	Solid	1	1	724
16	Stranded	1	1	669

## SPECIFICATIONS

### Access Control Capacities

	OmniPro II	Omni IIe	Omni LT	Lumina Pro	Lumina
Card Reader	16	4	0	16	4
Access Card/Key Tag	99	16	0	99	16

### Access Control Wiring Requirements

The 75A00-1 requires four wires for operation (two for power and two for communication). The maximum distance between the 75A00-1 and the connected 12V Power Supply or HAI 83A00 Power Hub is based on two factors: 1) the current draw of the connected door lock

device, and 2) the wire gauge/type used. To maintain proper operation of the 75A00-1 and the connected door lock device, do not exceed the "Maximum Cable Length" based on the Total Current Draw and the Wire Gauge/Type per the table below.

### 75A00-1 Only (No Door Lock Connected): 150mA Maximum

Wire Gauge	Wire Type	# Positive Conductors	# Ground Conductors	Max Cable Length (feet)
24	solid	1	1	233
24	solid	2	2	466
24	solid	3	3	699
22	solid	1	1	413
22	solid	2	2	826
22	stranded	1	1	381
18	solid	1	1	1000
18	stranded	1	1	963
16	solid	1	1	1000
16	stranded	1	1	1000



### 75A00-1 and 79A00-1 Electric Door Strike (450mA): 600mA Maximum

Wire Gauge	Wire Type	# Positive Conductors	# Ground Conductors	Max Cable Length (feet)
24	solid	1	1	58
24	solid	2	2	117
24	solid	3	3	175
22	solid	1	1	103
22	solid	2	2	207
22	stranded	1	1	95
18	solid	1	1	261
18	stranded	1	1	241
16	solid	1	1	415
16	stranded	1	1	383

### 75A00-1 and Door Lock (800mA): 950mA Maximum

Wire Gauge	Wire Type	# Positive Conductors	# Ground Conductors	Max Cable Length (feet)
24	solid	1	1	37
24	solid	2	2	74
24	solid	3	3	110
22	solid	1	1	65
22	solid	2	2	130
22	stranded	1	1	60
18	solid	1	1	165
18	stranded	1	1	152
16	solid	1	1	262
16	stranded	1	1	242

### 75A00-1 and Door Lock (1A): 1.15A Maximum

Wire Gauge	Wire Type	# Positive Conductors	# Ground Conductors	Max Cable Length (feet)
24	solid	1	1	30
24	solid	2	2	61
24	solid	3	3	91
22	solid	1	1	54
22	solid	2	2	108
22	stranded	1	1	50
18	solid	1	1	136
18	stranded	1	1	126
16	solid	1	1	217
16	stranded	1	1	200

Note: If cable with multiple conductors is used (such as CAT-5), it is possible to connect multiple conductors together to achieve greater distance.

## SPECIFICATIONS

### HAI Product Wiring Requirements and Distances

Product Name	Part Number	Wire Type	Conductors	Max. Length	Twist	Shield
PESM	1101A	22 AWG	4	N/A	No	No
Two-Way Voice Module	10A11-ALL	*	-	-	-	-
Water Temperature Sensor	14A00-8	22 AWG	3	N/A	No	No
Expansion Enclosure	17A00	22 AWG	2 <sup>10</sup>	1000 <sup>1</sup>	No	No
Remote Temperature Sensors	23A00	22 AWG <sup>5</sup>	2	250 <sup>5</sup>	Yes	Yes
ALC Branch Interface	25A00	20-24 AWG	2	500 <sup>3</sup>	Yes	No
Freeze Watch Sensor	26A00-5	22 AWG	4	N/A	No	No
Speaker/Microphone Module	28A00-ALL	*	-	-	-	-
Indoor/Outdoor Temperature Sensor	31A00-ALL	22 AWG	4	N/A	No	No
Touchscreen Hub (Controller)	32A30	22 AWG <sup>12</sup>	3	1000 <sup>1</sup>	No	No
LCD Console*	33A00-ALL	22 AWG	4	1000 <sup>1</sup>	No	No
Wireless Receiver (GE)	42A00-1	22 AWG	4	1000 <sup>1</sup>	No	No
Wireless Receiver (HAI)	45A00-1	22 AWG	4	1000 <sup>1</sup>	No	No
OmniTouch 5.7e Touchscreen	53A00-2	CAT-5 (patch)	8	328 <sup>7</sup>	N/A	N/A
Access Control Keypad	54A00-2	22 AWG	4	50'	N/A	N/A
IP Camera	68A11-1	CAT-5 (patch)	8	328'	N/A	N/A
Access Card Reader	75A00-1	22 AWG <sup>9</sup>	4 <sup>9</sup>	1000 <sup>9</sup>	N/A	N/A
12VDC Door Strike	79A00-1	16 AWG	2	-	-	-
Power Hub (Controller)	83A00	22 AWG	3 <sup>12</sup>	1000 <sup>1</sup>	No	No
Music Gateway	84A00-1	CAT-5 (patch)	8	328'	N/A	N/A
Home Theater Extender 2 (HTX2)	86A00-2	CAT-5 (patch) <sup>8</sup>	8	328'	N/A	N/A
HAI Camera Server	87A00-1	CAT-5 (patch)	8	328'	N/A	N/A
PoE Injector	90A00-1	CAT-5 (patch)	8	328'	N/A	N/A
8-Port PoE Switch	91A00-1	CAT-5 (patch)	8	328'	N/A	N/A
Serial Server	93A00-1	CAT-5 (patch)	8	328'	N/A	N/A
Hi-Fi 2 (Network)	95A00-1	CAT-5 (patch)	8	328'	N/A	N/A
Hi-Fi 2 (Controller)	95A00-1	22 AWG	4	50'	N/A	N/A
Hi-Fi 2 RIM	95A04-1	CAT-5 (patch)	8	500'	N/A	N/A
Speakers connected to Hi-Fi 2	-	16 AWG	4 <sup>6</sup>	-	N/A	N/A
Omnistat2 Thermostat (All Models)	-	22 AWG	4	10,000'	No	No
Speaker	*	18 AWG	2	50'	Yes	No
Microphone	*	24 AWG	2	100'	Yes	Yes

<sup>1</sup>1000' limit for entire AB Bus combined. <sup>2</sup>Exact wire determined by distance and wire type. <sup>3</sup>Wire limit per branch. <sup>4</sup>For distances up to 100' use 16 AWG. <sup>5</sup>Size of wire required based on insulation and distance. <sup>6</sup>Recommend stranded for each pair of speakers. <sup>7</sup>Distance between 53A00-2 and PSE (Power Sensing Equipment) device. <sup>8</sup>When connecting the HTX2 to an HAI PoE Switch (91A00-1) a CAT-5 "crossover" cable is required. <sup>9</sup>Exact wire determined by distance and wire type. <sup>10</sup>Recommend 3 conductors (including common ground) for remote mounting the expansion enclosure. <sup>11</sup>Original Hi-Fi components use the same wiring. <sup>12</sup>Two additional wires required for low battery notifications. \*Speaker/Microphone wiring sizes should be used with Two-Way Voice Module (10A111-1), Speaker/Microphone Module (28A00-1/2), and LCD 33A00-4

## OMNITOUCH 5.7 SPECIFICATIONS

### Max Cable Length Based on Wire Gauge/# Conductors

Wire Gauge/# of Conductors	Max Cable Length (feet)
24/1	113
24/2	227
24/3	340
22/1	180
22/2	360
20/1	287
18/1	456
16/1	724

Use this chart when directly connecting an OmniTouch 5.7 to an HAI home control system. Chart uses solid wiring. If using stranded wire, deduct distance by 5%. For CAT-5 use three conductors each for power (+12V and ground).

### Maximum Cable Length with Touchscreen Hub

Wire Gauge	Max Cable Length (Feet)
24/8 (CAT-5)	800

Use this chart when connecting an OmniTouch 5.7 to an HAI home control system using a Touchscreen Hub.

### Maximum 5.7 Touchscreens

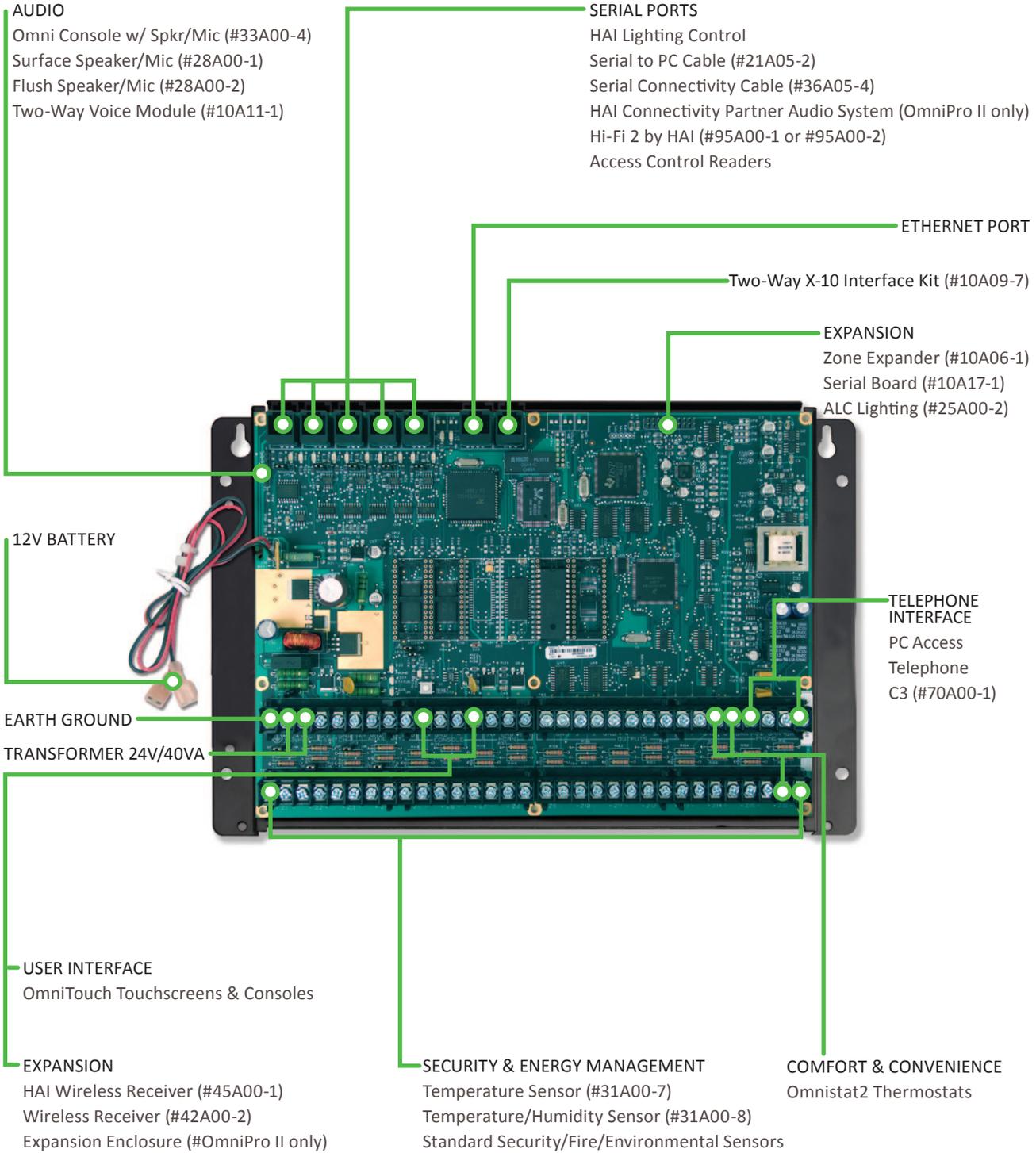
Home Control System	Max 5.7 Touchscreens*	Number of Touchscreens Requiring Touchscreen Hub
Omni LT	3	2-3
Omni IIe	7	3-7
OmniPro II	15	3-8; 9-15 requires two hubs
Lumina	7	3-7
Lumina Pro	15	3-8; 9-15 requires two hubs

\*Assumes the use of the one required console or keypad. Note that for every additional console or keypad used, this maximum number of OmniTouch 5.7 Touchscreens decreases by one.



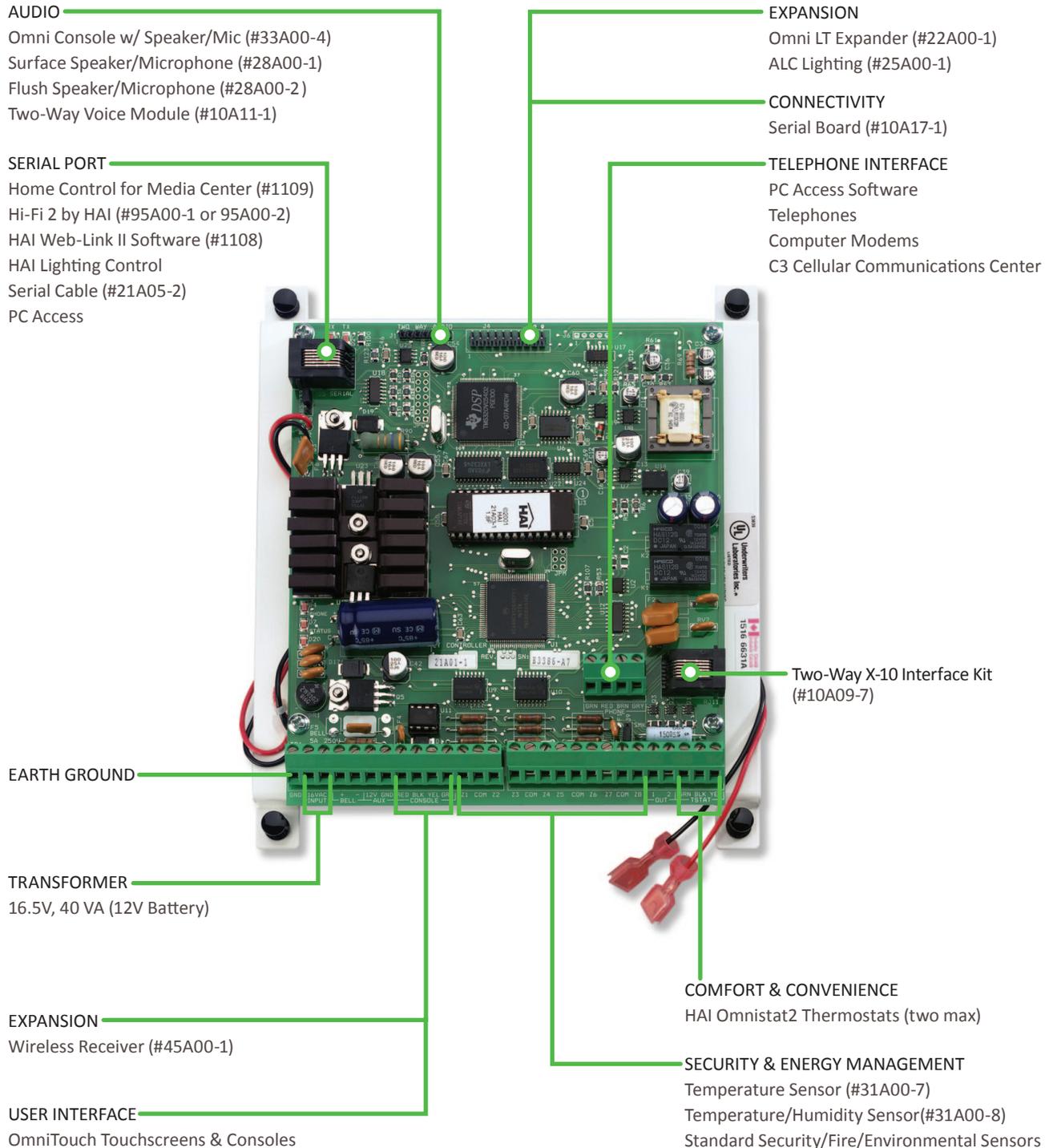
# WIRING DIAGRAM

OmniPro II/Omni Commercial/Omni IIe



WIRING DIAGRAMS

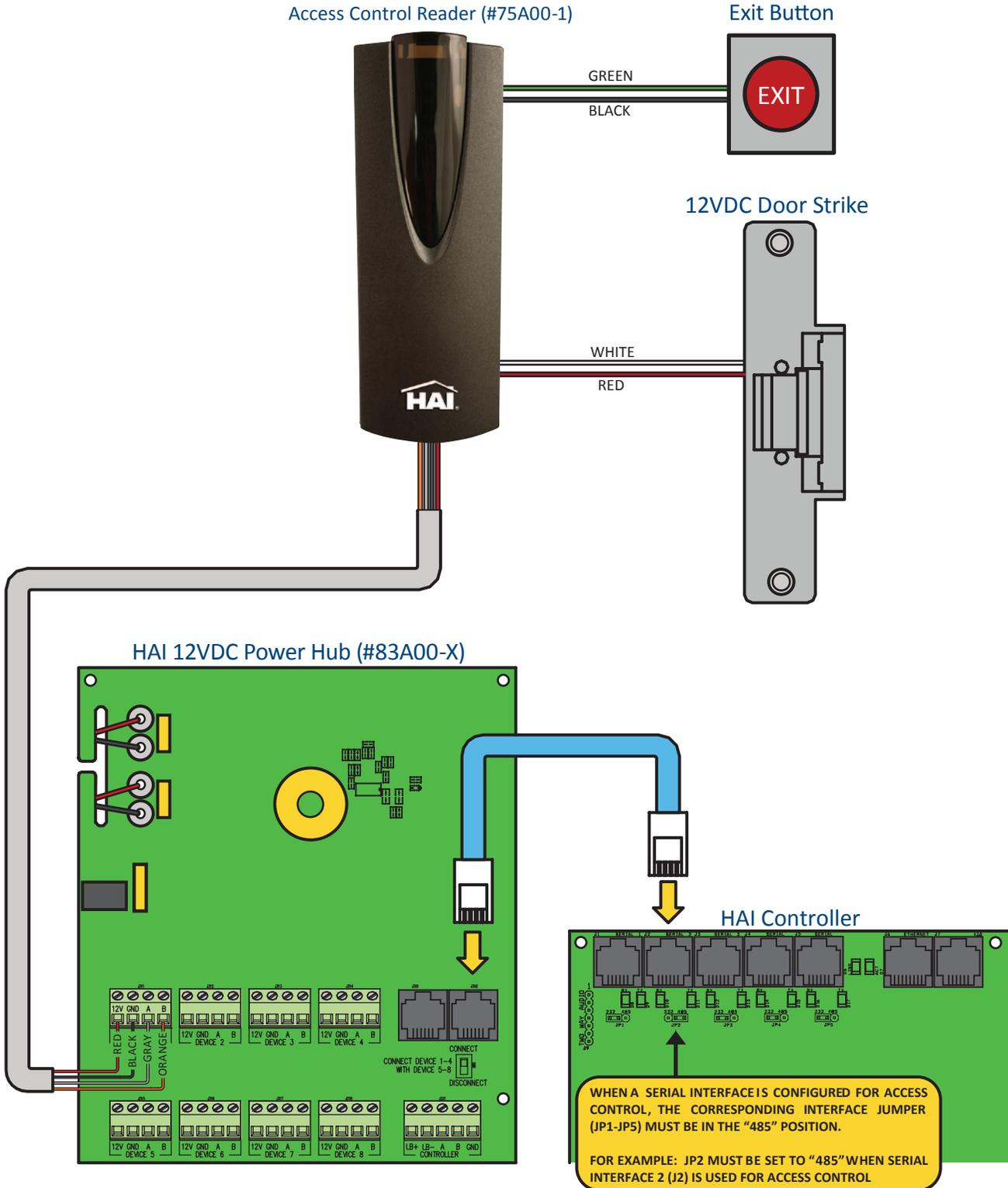
**WIRING DIAGRAM**  
Omni LT Controller



WIRING DIAGRAMS

# WIRING DIAGRAM

## Access Control via HAI Power Hub (#83A00-X)

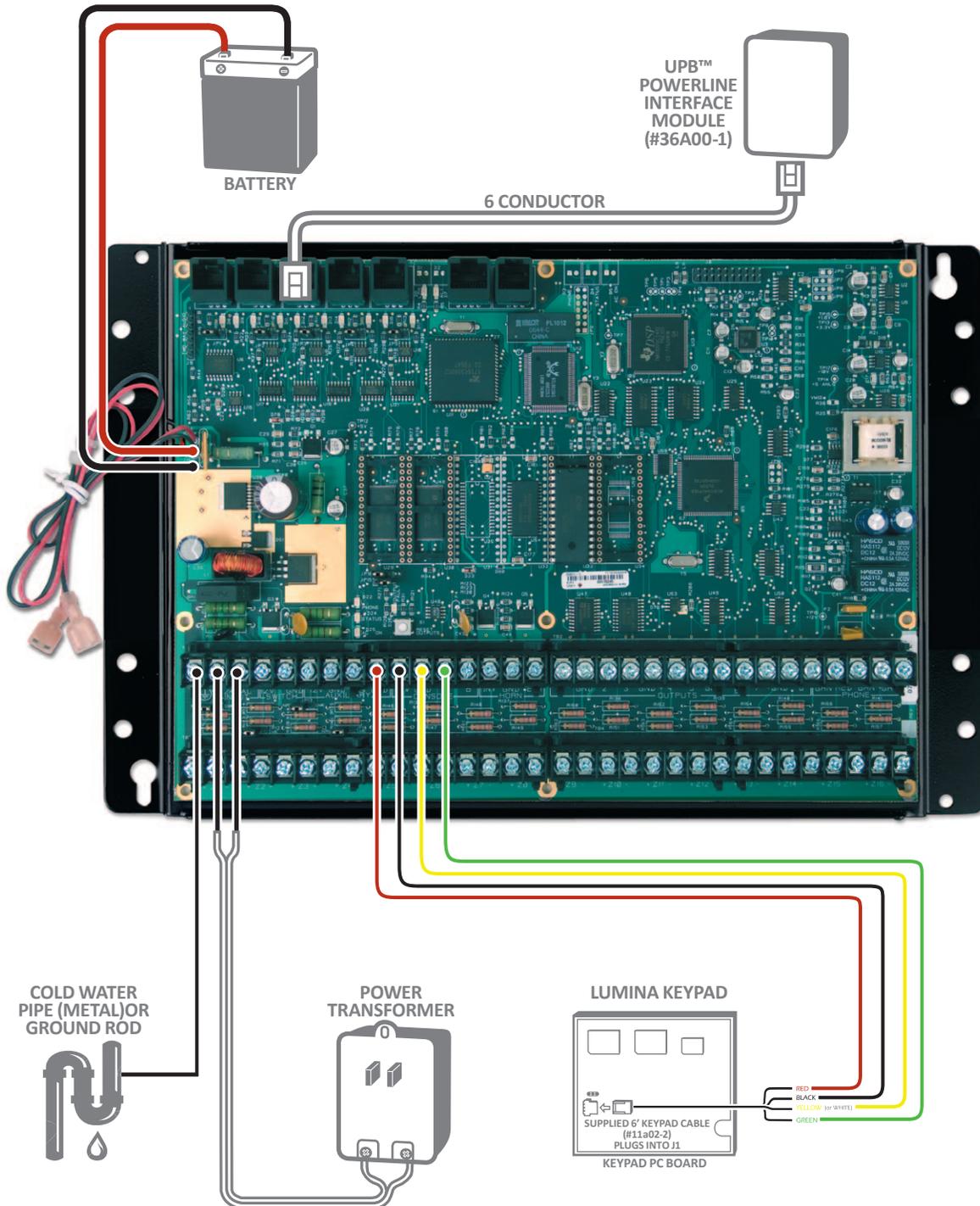


WIRING DIAGRAMS



### WIRING DIAGRAM

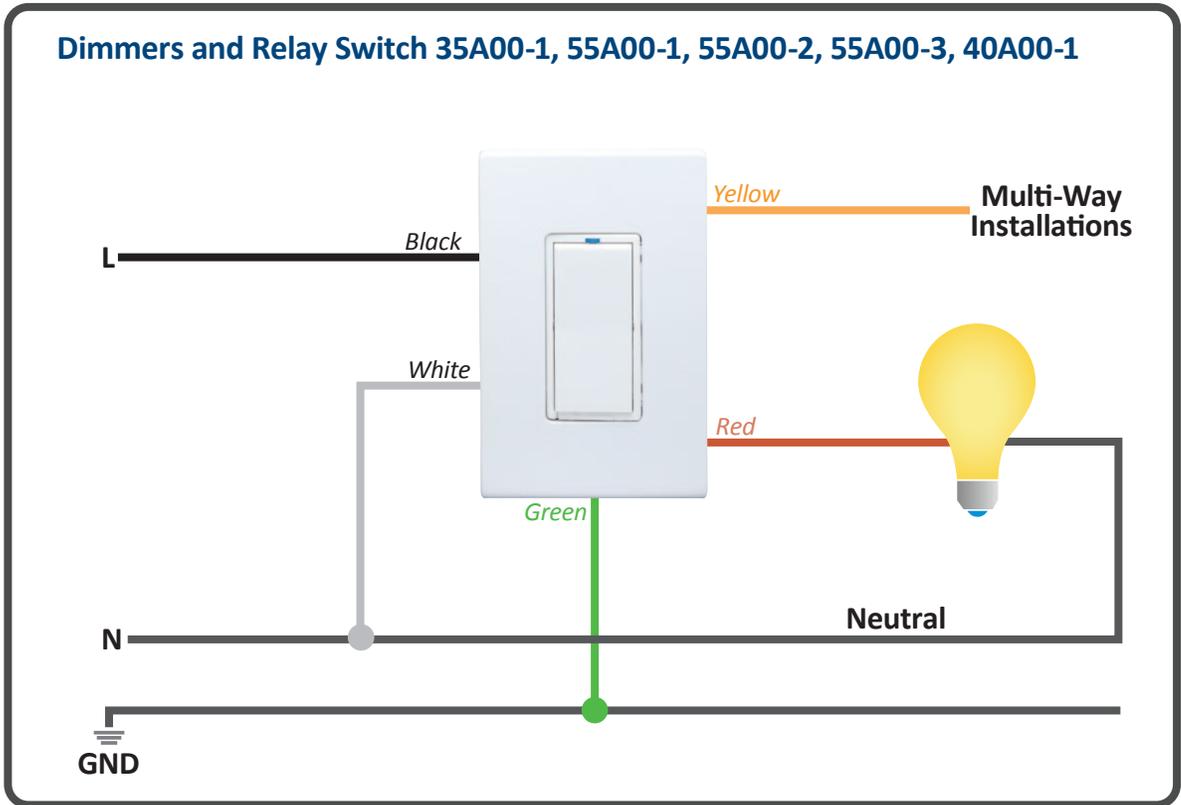
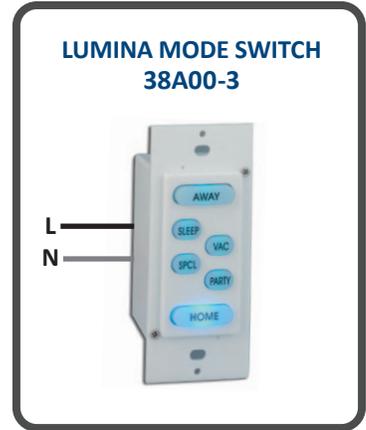
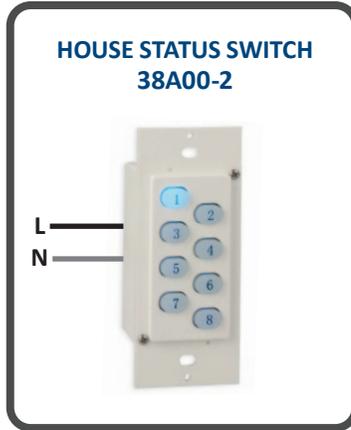
### Lumina/Lumina Pro Energy Management Controllers



WIRING DIAGRAMS

**WIRING DIAGRAM**

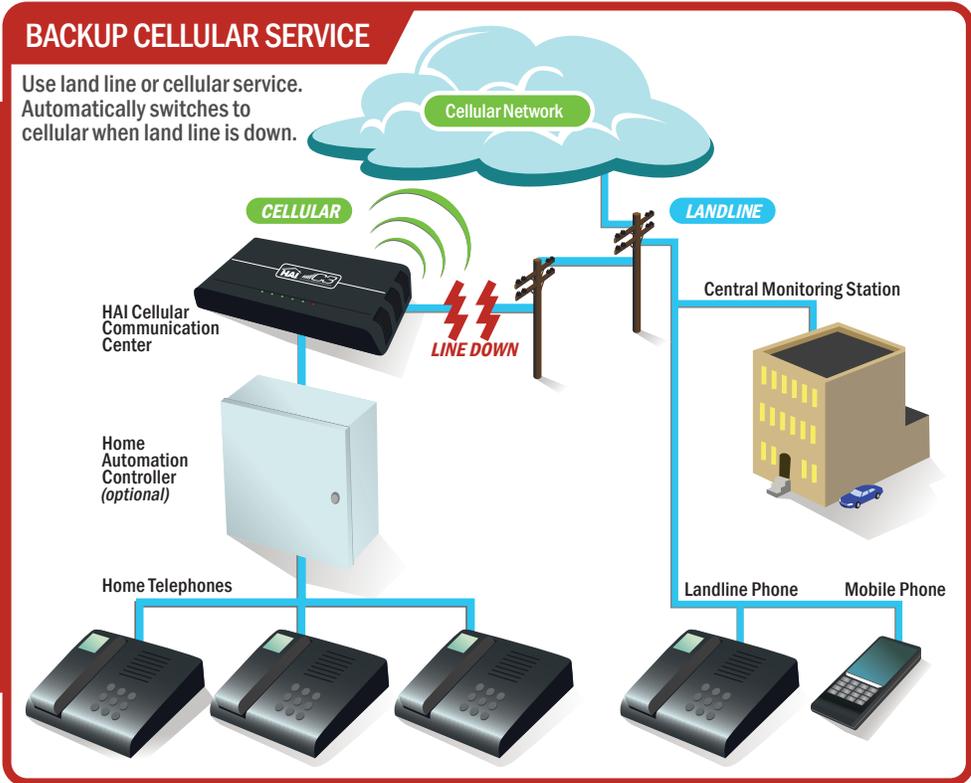
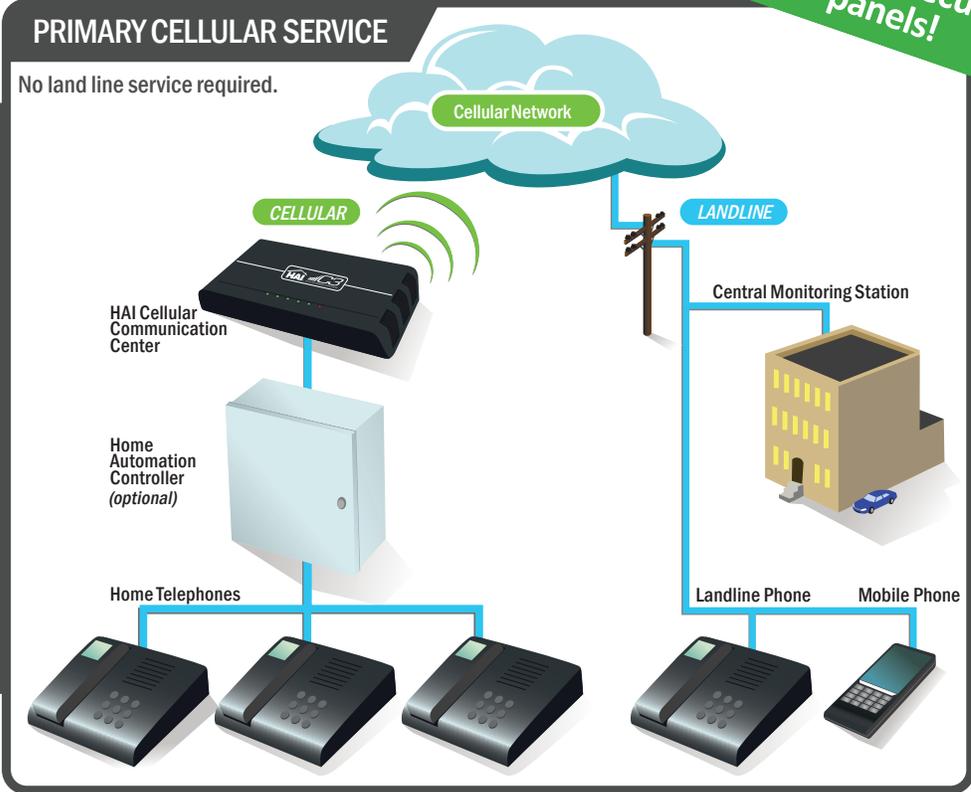
**Lighting Control Switches**



# NETWORK DIAGRAM

## C3 Cellular Service: Primary/Backup

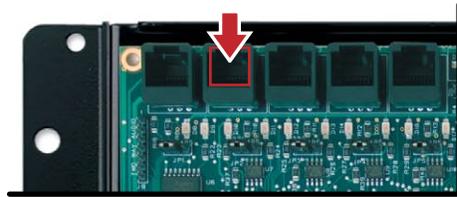
Works with most standard security panels!



WIRING DIAGRAMS

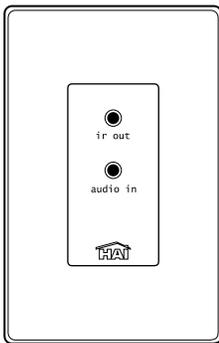
# WIRING DIAGRAM

## Hi-Fi 2 by HAI



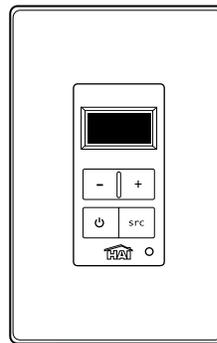
### HAI CONTROLLER (OPTIONAL)

Connect to HAI controller or other serial port device. With a controller, select zone and source and control volume and power from an HAI OmniTouch Touchscreen or via controller program.



### RIM

- Remote Input Modules allow any source from anywhere in the house to be listened to in any or all zones. RIMs also have an IR emitter port for routed IR commands from VSCs.
- Use Cat5 cable from the RIM to Remote Audio In on the Hi-Fi 2.
- Add a max of 8 RIMs to the main board.



### VSC

- Volume–Source Controls allow selection of source and adjustment of volume, bass, treble, balance, and source gain. VSCs also feature an IR receiver.
- Use Cat5 cable from the VSC to Zone Control In on the Hi-Fi 2.
- Add a max of 8 VSCs to the main board.

### LOCAL AUDIO INPUTS

Connect local line-level audio sources to these 8 jacks.

### VARIABLE OUTPUTS

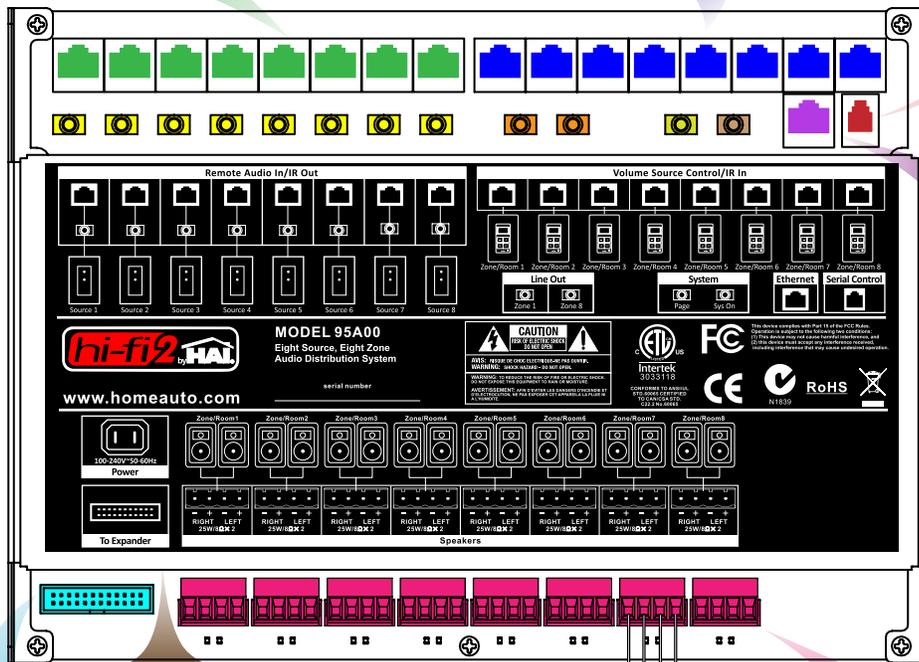
Attach additional amplification to Zone 1 and/or 8.

### PAGE INPUT

When triggered, all zones turn on at their preset paging volume and switch to Source 8.

### SYSTEM ON OUTPUT

When any audio zones turn on, this output activates an auxiliary amplifier equipped with a voltage trigger.



### ETHERNET NETWORK PORT

Communicate with IP devices on the network. Compatible with the HAI Music Gateway which can connect to and control the Hi-Fi 2.

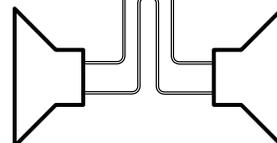


### POWER SUPPLY INPUT

100–240V~50–60Hz; Power cable supplied.

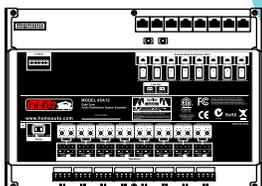
### HI-FI 2 EXPANSION BOARD

Connect the Hi-Fi 2 Expansion Board via a supplied expansion cable to add an additional 8 zones to your Hi-Fi 2 home audio system.



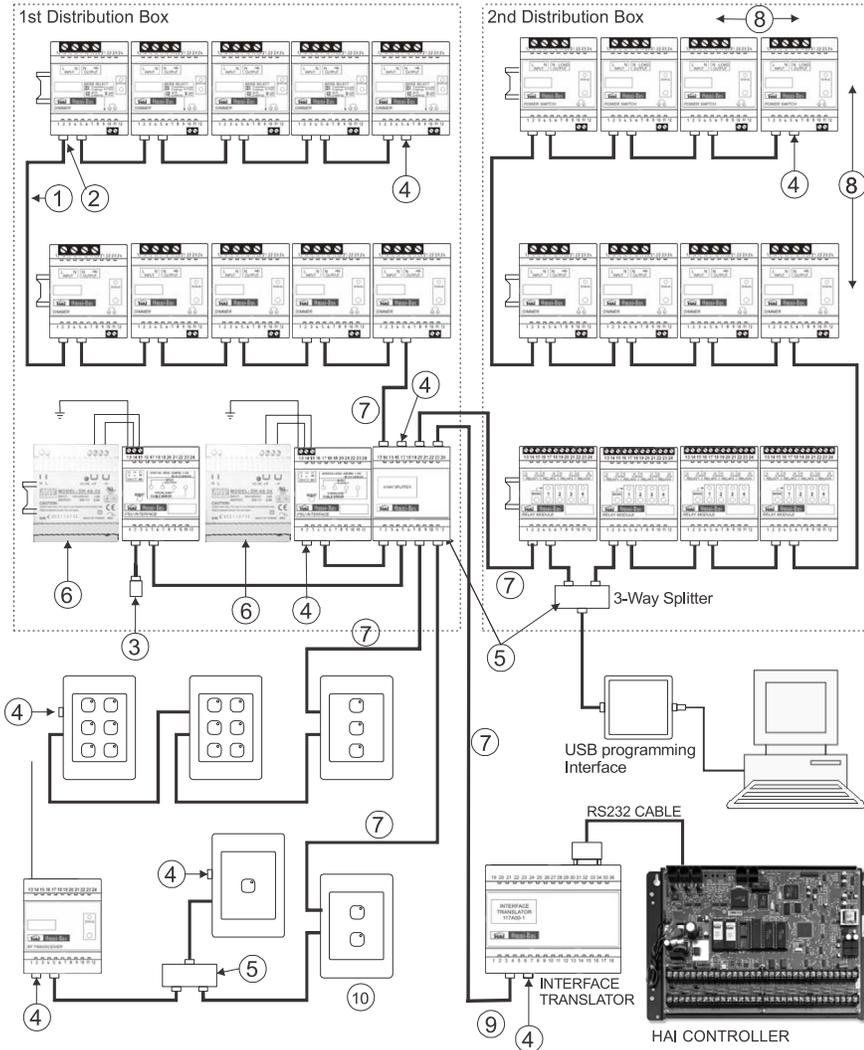
### ZONE SPEAKERS

Total of 8 on the main board. Use 8–Ohm speakers and 16–gauge speaker wire (4–conductor stranded suggested for neat installation).



## WIRING DIAGRAM

### Omni-Bus Lighting Control Network



#### 1. Network Cable

- a. CAT5 UTP (Category 5 Unshielded Twisted pair (4 pairs), stranded or single core)

#### 2. Crimp Connectors

- a. All cable ends must be terminated with RJ45 plugs.

#### 3. Network Termination Plug

- a. Each network must have ONE and only one network Termination Plug (122A00-1).
- b. It is recommended that the Termination Plug always be installed at the power supply interface.

#### 4. Jumpers

- a. No open ends or open connectors are allowed on the network.
- b. All open ends or open connectors must be terminated with a Network Jumper Plug (121A00-1).

#### 5. Splitters

- a. Where a T-junction or network split is required, a Splitter box must be used (119A00-1 or 120A00-1).
- b. A Splitter can be inserted anywhere on the network.

#### 6. Power Supply

- a. Each Power Supply Unit must be connected to the network via a separate Power Supply Interface unit (124A00-1).
- b. Each power supply can supply up to 2A to the network.
- c. More than one power supply can be used if the total network current consumption exceeds 2A.
- d. To obtain the total current requirement, add up the individual current consumptions of all devices on the network.
- e. The power supply(s) must be installed at the

point where most devices are located (usually the distribution board) to avoid excessive voltage drops over long cables  
 f. The supply voltage at any point on the cable (pin 1 and 8) must be between 15 and 24VDC.

#### 7. Supply Distribution

- a. The total number of devices on a single network split from the power supplies must not exceed 50 devices.
- b. The total current consumption of devices on a single network split from the power supplies must not exceed 2A.

#### 8. Device Placement and Isolation

- a. The HAI Omni-Bus units have been designed to operate over an ambient temperature range between 0 °C and 40 °C at the rated maximum load capacities. Sufficient spacing and airflow between devices should be allowed for in the distribution board. The minimum recommended horizontal spacing between dimmer devices is one din rail module width (17mm or 2/3inches).
- b. All network connections and cabling are low voltage and optically isolated from the mains supply voltage and must thus be kept away from any mains wiring.
- c. Sufficient spacing must be allowed for this between consecutive din rails in the distribution board (minimum recommended spacing between din rail centers = 150mm or 6inches).
- d. Do NOT route any network cables via the same conduits as mains wiring.

#### 9. Maximum Cable Length

- a. The total cable length on a single bus network may not exceed 1000m (3280feet).

#### 10. Maximum Number of Devices

- a. The total number of devices on a single bus network may not exceed 256.

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**Hi-Fi 2 by HAI Distributed Audio System**  
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