HAI® PRODUCT**CATALOG** 2009

Integrated Home Control Systems

Automation
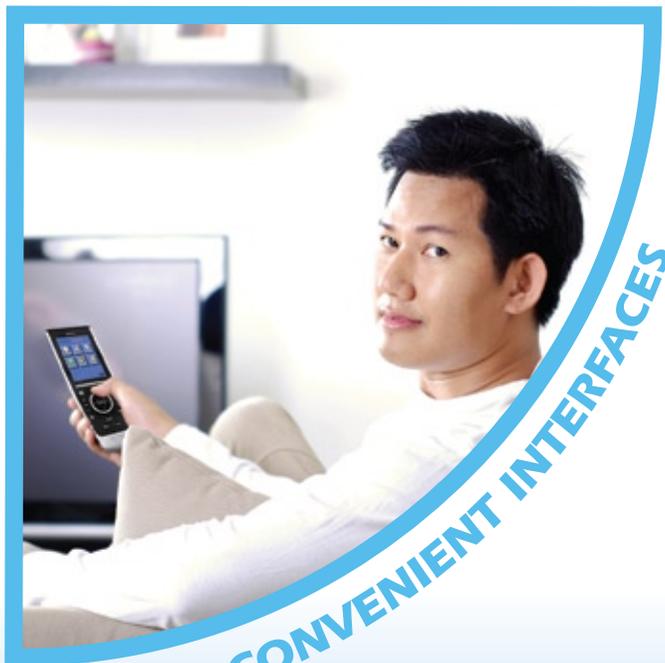## *Simplified.*

...for every lifestyle, and budget

SAFETY

ENERGY MANAGEMENT

ENTERTAINMENT

CONVENIENT INTERFACES

Introduction

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Energy Management   52-53

Entertainment   82

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HAI Programs

HAI offers complete integrated home solutions for every lifestyle and budget with a full range of home control systems and accessories.

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OmniPro II AUTOMATION

OMNI IIe AUTOMATION

OMNI LT AUTOMATION

HAI SURVEILLANCE

HAI wireless products

HAI ACCESS CONTROL

ENERGY MANAGEMENT PAGES 52 TO 81

lumina PRO ™

lumina by HAI ™

HAI LOAD CONTROL MODULE

HAI lighting control ™

OMNISTAT 2

ENTERTAINMENT PAGES 82 TO 94

Hi Fi by HAI

HAI MUSIC GATEWAY

HAI ENTERTAINMENT center

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HAI SNAP LINK Mobile lite

HAI OmniTouch portable

HAI SNAP LINK

HAI OmniTouch 5.7e

HAI Web-Link.II

PC ACCESS

HAI OmniTouch 5.7

HAI WL3 For Windows Home Server

HAI home control ®
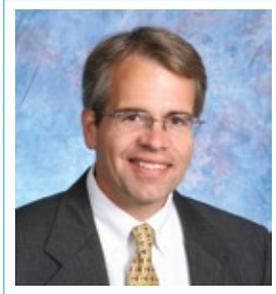
Dear Customers:

Thanks once again for a record year in 2008. Homeowner's increased energy awareness and desire for security helped HAI dealers sell more integrated systems than ever before. We continue to believe in the benefits of tying energy conservation with security and remote access. It makes more sense now than ever, as it helps homeowners conserve natural resources and reduce their carbon footprint.

For 2009, HAI introduces Version 3.0 of its Omni and Lumina family controllers and the set-up tool PC Access. We've added incredible programming flexibility to enhance energy savings and convenience for dealers and homeowners, and make our systems even easier to operate. Our new Access Control product family allows keyless entry to homes, businesses, pool areas, and garages. We'll introduce wireless versions of the new Omnistat2 thermostats and Load Control Modules for easier retrofit installations. We're expanding our entertainment offerings with the clever Music Gateway. You can view album art, select and play your music collection from the OmniTouch 5.7e and Portable 8 Touchscreens, as well as view web cams and recorded surveillance video from its built-in DVR. It also serves secure web pages to your laptop, netbook and web-enabled mobile phone - at home or away. Have a home theater? Control it and your HAI on a beautiful Philips Pronto remote with HAI's Pronto-Link. It's simply stunning. Innovation is alive and well at HAI!

Support is important to our mutual success, so we continue to expand the web Knowledge Base system with articles on applications and integration with other industry leaders. And finally, our International business is growing as we introduce additional languages on our Touchscreens and software.

Be sure to check out HAI's Blog and Facebook & YouTube pages, and sign up for e-mail alerts to get the latest announcements. Thanks again for your business, and we look forward to continued success in 2009!

Sincerely,

Jay McLellan, President & CEO

Tom Pickral, Brian Yokum, and Jay McLellan in front of HAI's Headquarters in New Orleans, LA.

HAI (Home Automation, Inc.) was formed in 1985 to provide automation products to the newly emerging automation and controls market. HAI's founders, Tom Pickral, Brian Yokum, and Jay McLellan, worked together in the commercial automation industry and sought to apply this expertise to the home automation market.

Since its inception in 1985, HAI has been raising the standard in home automation technology as the industry leader and innovator.

1985-1996

1985 - HAI forms to provide automation products to the newly emerging automation & controls market.

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

1995 - HAI introduces its **Omni** system–providing twice the performance at half the cost of the Model 1503.

1996 - **Omnistat** is introduced – the first ENERGY STAR® programmable communicating thermostat line.

2002-2005

2002 - **OmniPro II** replaces the OmniPro.

Video recording capabilities are added to **Web-Link II.**
.
2003 - HAI introduces the **OmniTouch Touchscreen.** It quickly becomes the international face of home automation.

2004 - HAI introduces **Home Control for Windows® Media Center**–allows control of an HAI system on your TV.

2005 - HAI introduces **OmniTouch with Video**, allowing surveillance video to be displayed.

HAI Lighting Control (HLC) introduces the concept of affordable, elegant lighting control.

HAI Wireless products enhance security and automation applications.

1985   **1997**   **2002**   **2006**

1997-2001

1997 - The **OmniPro** is introduced, providing expanded features for large homes.

2000 - HAI introduces the **Omni LT** home control system for smaller homes, townhouses, apartments and European markets.

2001 - HAI introduces **Web-Link II**–the first Internet remote access and control software for residential use.

2006-2008

2006 - HAI introduces **Hi-Fi by HAI**, a revolutionary Whole Home Audio system.

HAI introduces **Snap-Link**–a USB key that plugs into any computer to monitor and control the home.

HAI introduces **Lumina**.
.
2007 - **OmniTouch 5.7** Touchscreen released.

Omnistat–Z thermostat allows wireless communication to HAI controllers.

2008 - HAI released more new products than ever before! (See next page).

HAI released more new or enhanced products last year than any other year in our history!

Products released in 2008:

Safety

Firmware 3.0

OmniPro II and Omni IIe: 2 Additional Serial Ports

Network Digital Video Recorder

Day/Night Color Bullet Camera

Indoor Dome Camera

HAI Wireless Receiver (Enhanced)

Wireless Receiver for GE InterLogix (Enhanced)

4 Button Wireless Keypad

Wireless Vanishing Door/Window Contact

Access Control Card Reader

Access Control Key Tag

Access Control Card

Access Control Door Strike

Power Hub in Enclosure

Power Hub for Structured Wiring Enclosures

Energy Management

Lumina and Lumina Pro: 2 Additional Serial Ports

Omnistat2 RC-2000

Omnistat2 RC-1000

UPB™ Lamp Module

UPB™ Appliance Module

HLC Load Control Module

Hardwired Load Control Module

Table Top Scene Switch Cradle

Convenient Interfaces

Snap-Link Mobile

WL3 for Windows® Home Server

OmniTouch 5.7 (Updated Firmware)

OmniTouch 5.7 Spanish

OmniTouch 5.7 Table Top Stand

Web-Link II (Enhanced)

Snap-Link (Enhanced)

Home Control for WMC (Enhanced)

Pronto-Link for Philips Pronto

PC Access 3.0

HAI Offers You More!

More options – HAI offers more options than ever before plus comprehensive integrated product families for true plug and play ease, including energy management, security, lighting control, multi-room audio, surveillance, access control, and home entertainment options!

More experience – The industry leader in integrated security and home control products since 1985!

More opportunities for YOU to make money! – HAI's extensive and modular product line and connectivity partnerships means you can offer your clients a product mix that fits any budget!

More Awards!

Pictured below is HAI's Engineering Department with some of HAI's awards.

HAI's Reliable Home Control Systems Are the Most Popular in the World

HAI systems have been installed worldwide for over twenty years. Many of HAI's first generation controllers are still in use; some of them have been installed and 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; Omni & Lumina families)

IS-60 (Canadian Standard - Omni & Lumina families)

HAI is an ENERGY STAR® Partner and the Omnistat2 RC-1000, and RC-2000 meet the Environmental Protection Agency's ENERGY STAR® guidelines for energy efficiency.

Most of HAI's products are RoHs Compliant

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

HAI is Worldwide, with Products Available in Over 80 Countries!

For information on International
Dealers and Distributors, please visit:
http://www.homeauto.com/HowToBuy

Omni family controllers are available in the following languages:

- **Castellano**
- **Chinese***
- **Turkish**
- **French**
- **Catalan**
- **Italian**
- **Spanish**

 * Voice only. All others voice and text.

For foreign language controller information, please visit
www.homeauto.com/Products/HAISystems/NonEnglishControllers.asp

HAI Marketing Director in Thailand.

HAI President in Dubai.

NEW

Pronto-Link is available in English, Hebrew, Russian, and Chinese. New versions coming soon: Latin American Spanish, Canadian French, European French, Italian, German, Turkish, Arabic, and Dutch. See page 111 for information.

HAI International Salesman in Colombia.

HAI controllers are the brains of your automated home. They coordinate all of the systems in your home so that they communicate with each other, making your home more comfortable, secure, and convenient.

HAI's Omni home control systems include integrated UL Listed and CP-01 compliant security systems. With a range of security-related products, such as sensors, surveillance cameras and access control products, HAI provides a fully secured home.

SAFETY

- All lights turn on in event of alarm or fire.

- View and record surveillance video of the nursery, pool, or front door.

- Prevent unauthorized access to pools, yards, or outbuildings.

HAI's products can increase the energy efficiency of your home via lighting control, temperature control, and control of large energy using devices. Let HAI's products save you money with programmable features.

- Thermostats automatically set back and unused lights turn off when leaving the home. Settings restore automatically when returning home, saving energy.

- Control the temperature of hot water heaters, wine cellars, and more.

- Enhance your home with elegant lighting control.

- Coordinate lighting and set by schedule, time of day, or event, such as vacation.

ENERGY MANAGEMENT

Turn up the fun with HAI's exciting entertainment products! Integrate your media with the rest of your home for increased enjoyment and convenience. Use a Touchscreen to search and control your music or movie collection with ease.

ENTERTAINMENT

MASTER VOLUME

- Share your tunes! Create an audio network in your home, using the sources you already own.

- Have your favorite radio station turn on when you arrive home from work.

- Use the telephone to announce messages throughout the house over the audio speakers.

- View album artwork and meta-data on a Touchscreen while searching your music, movie, or photo collection from the comfort of your couch.

Multiple interfaces let you choose how to monitor and control your home. Use an intuitive Touchscreen, remote control, or television as a fun way to interact with your system. Enhance your security and energy efficiency with remote access from a cell phone, telephone or computer.

- Control your entire home from a large, colorful Touchscreen.

- Securely access and control your home from anywhere in the world via the Internet or telephone.

- Use the wireless keyfob to turn on all interior lights and activate other automation features when arriving home.

- See who's at the front door, check up on the baby, or view the back-yard from any TV or Touchscreen.

CONVENIENT INTERFACES

Already know which features you want?

HAI has pre-packaged kits to get you started. Choose one of HAI's Promo Kits and save 10% on HAI products plus receive free programming software!

Security and Surveillance Promo Kit

Maintain a fully secure household. Omni controllers are UL Listed, CP-01 compliant security and fire systems that detect intrusion, smoke/fire, carbon monoxide, water, and other hazards.

All lights turn on in event of alarm or fire. View and record surveillance video of the nursery, pool, or front door.
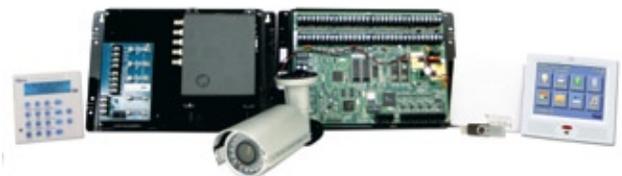
Use Snap-Link on any computer to securely access and control your home from anywhere in the world.

Promo1 Security

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Security and Surveillance Promo Kit
Promo1 Security

Included in the Promo Kit:

20A00-8	OmniPro II Controller for Structured Wiring Enclosures
1120	Snap-Link
1105W	Dealer PC Access
33A00-1	Omni Console
53A00-1	OmniTouch 5.7
68A00-1	Network Digital Video Recorder
68A02-1	Day/Night Color Bullet Camera
68A04-2	Universal Mounting Plate Assembly for Network Digital Video Recorder

Add any of HAI's products to a Promo Kit for additional safety, entertainment, or energy management features.

Commercial Security and Access Control Promo Kit

Prevent unauthorized access to rooms, pools, or outbuildings.

Manage and track employees. Provide access based on authority level and time of validity.

Have the thermostat turn off during a fire to prevent the spread of smoke and flames.

Have the thermostat set back and unused lights turn off when leaving the building. Settings restore automatically when returning, saving energy.

Promo2CommSec

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Commercial Security and Access Control Promo Kit
Promo2CommSec

Included in the Promo Kit:

20A00-5	OmniPro II Commercial Controller	33A00-1	Omni Console
79A00-1	12VDC Electric Door Strike (qty. 2)	53A00-1	OmniTouch 5.7
75A00-1	Access Control Card Reader (qty. 2)	72A00-1	Hardwired Load Control Module (qty. 2)
78A00-1	Access Control Card Pack of 10	RC-2000WH	White Omnistat2 Multistage & Heat Pump with Humidity Control (qty. 2)
78A00-2	Access Control Key Tag Pack of 10		
1105W	Dealer PC Access		

Add any of HAI's products to a Promo Kit for additional safety, entertainment, or energy management features.
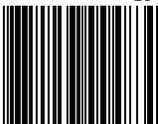
Energy Management Promo Kit

Use HAI's Omnistat2 thermostats to increase energy efficiency with advanced programming.

OmniPro II controllers automatically set temperature and lighting levels based on occupancy, time, or event.

HAI's Load Control Module lets you control power consumption of pool pumps, hot water heaters and more with no new wires.

Promo3Energy

Energy Management Promo Kit
Promo3Energy

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Included in the Promo Kit:

44A00-2	Lumina Pro
1105W	Dealer PC Access
38A00-3	Lumina Mode Switch
53A00-1	OmniTouch 5.7
71A00-1	HLC Load Control Module
RC-2000WH	White Omnistat2 Multistage & Heat Pump with Humidity Control (qty. 2)

Add any of HAI's products to a Promo Kit for additional safety, entertainment, or energy management features.

Lighting Promo Kit

Enhance your home with elegant lighting control.

Never walk into a dark home again! Coordinate lighting and set by schedule, time of day, or event (such as motion for pathway lighting).

Set the mood by selecting "Dinner" or "Task Lights" in the kitchen with the Scene Switch.

Promo4Lighting

Lighting Promo Kit Promo4Lighting

8 72257 00484 7

Included in the Promo Kit:

20A00-8	OmniPro II Controller for Structured Wiring Enclosures	37A00-1	Auxiliary Switch (qty. 3)
		38A00-1	Scene Switch, 6 Button (qty. 2)
1105W	Dealer PC Access	38A15-WH	Table Top Scene Switch Cradle
1120	Snap-Link	38A14-1	Scene Switch Remote (qty. 2)
33A00-1	Omni Console	39A00-1	Phase Coupler
35A00-1CS	600W UPB™ Dimmer Switch (Case of 12)	40A00-1	15A Relay Switch (qty. 2)
36A05-2	UPB™ Powerline Interface Module to Computer Cable	53A00-1	OmniTouch 5.7

Add any of HAI's products to a Promo Kit for additional safety, entertainment, or energy management features.

Home Theater Lighting Promo Kit

This basic home theater lighting control kit is perfect for anyone.

It is incredibly easy to install and requires no new wires.

Use the remote control to turn down the lights as the movie begins.

Promo5Theater

8 72257 00485 4

**Home Theater
Lighting Promo Kit
Promo5Theater**

Included in the Promo Kit:

35A00-1	600W UPB™ Dimmer Switch (qty. 2)
59A00-1	UPB™ Lamp Module (qty. 2)
39A00-1	Phase Coupler
38A00-1	Scene Switch, 6 Button
38A14-1	Scene Switch Remote
38A15-WH	White Table Top Scene Switch Cradle

Add any of HAI's products to a Promo Kit for additional safety, entertainment, or energy management features.

Audio Promo Kit

Create an audio network in your home and integrate your music.

Control lights, temperature, security and more from the in-wall Touchscreen.

Plug your iPod™ into the bedroom wall then control your music from anywhere, including your patio.

Promo6Audio

Audio Promo Kit
Promo6Audio

8 72257 00486 1

Included in the Promo Kit:

20A00-8	OmniPro II Controller for Structured Wiring Enclosures	53A00-1	OmniTouch 5.7
1105W	Dealer PC Access	62A00-2	Hi-Fi by HAI 4 Zone, 4 Source Kit for Structured Wiring Enclosures
33A00-1	Omni Console	62A13-1	Hi-Fi by HAI Retractable Cable (qty. 4)
36A05-4	Serial Connectivity Cable	62A14-1	Hi-Fi by HAI Retractable Cable (qty. 4)

Add any of HAI's products to a Promo Kit for additional safety, entertainment, or energy management features.

Townhome & Condo Promo Kit

The perfect kit for anyone who wants lighting control and entertainment in a multi-dwelling unit.

Control your entire home from a large, colorful Touchscreen.

Share your tunes!

Promo7Condo

**Townhome &
Condo Promo Kit**
Promo7Condo

8 72257 00487 8

Included in the Promo Kit:

44A00-1	Lumina	62A13-1	Hi-Fi by HAI Retractable Cable (qty. 4)
38A00-3	Lumina Mode Switch	62A14-1	Hi-Fi by HAI Retractable Cable (qty. 4)
1120	Snap-Link	53A00-1	OmniTouch 5.7
59A00-1	UPB™ Lamp Module (qty. 6)	53A17-1	Table Top Stand
62A00-2	Hi-Fi by HAI 4 Zone, 4 Source Kit for Structured Wiring Enclosures	1105W	Dealer PC Access
36A05-4	Serial Connectivity Cable	53A05-BL	OmniTouch 5.7 Color Change Kit

Add any of HAI's products to a Promo Kit for additional safety,
entertainment, or energy management features.

Ensure the Safety of Your Family

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.

An Omni home control system may be personalized to notify you by the telephone, e-mail, Internet surveillance or by central monitoring of an alarm event. Not only can you call or log in to the Internet to check or change the security, temperature, or light settings, the system can call or e-mail you alerts. Have your system call you when your children have arrived home from school or if the alarm has gone off. Also, the system is proven reliable, as back-up battery resources ensure security even during a power loss.

HAI's Surveillance products let you view and record video of events at your home. Consider HAI's Access Control products to limit gate or pool access and the convenience of automation and security features activated by the swipe of a card.

The 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 temperature changes based on motion or door openings.

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

* Systems must have 1 console to meet UL requirements.
** Recommend 32A30 Touchscreen Hub for 2 or more OmniTouch 5.7 Touchscreens.
*** Recommend 32A30 Touchscreen Hub for 3 or more OmniTouch 5.7 Touchscreens.
**** 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.

The OmniPro II is HAI's flagship home control and security system. It is designed for larger homes and commercial installations.

20A00-2

OmniPro II Controller 20A00-2
OmniPro II controller with enclosure, lock set with two keys, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals.

20A00-5

OmniPro II Commercial Controller 20A00-5
OmniPro II controller with commercial attack–proof enclosure, lock set with two keys, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals.

20A00-8

OmniPro II Controller for Structured Wiring Enclosures 20A00-8
OmniPro II controller on mounting plate for Leviton, OnQ/Legrand, and "open house" type enclosures, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals, accessory kit, wiring diagram for enclosure door.

20A00-21

OmniPro II Board Only 20A00-21
OmniPro II controller board only.

HAI's Award-Winning OmniPro II...Habla Espanol!

OmniPro II AUTOMATION

HAI orgullosamente presenta su OmniPro II en Español para que nuestros valiosos clientes que hablan español se sientan "Bienvenidos en su casa".

Este sistema presentará las mismas características avanzadas del original y premiado OmniPro II, pero ahora el usuario de lenguaje nativo en español se sentirá más confortable con el vocabulario en Español que le facilitará su manejo y comunicación. Voz, Menú, Pantalla Táctil OmniTouch (53A00-5), y PC Access (1105WSP) están todo con lenguaje en Español.

HAI is proud to make our Spanish speaking customers feel more at home with the OmniPro II in Spanish.

This system has the same functionality as the original award-winning OmniPro II, but makes the Spanish speaking end user more comfortable with a Spanish vocabulary and interface. Voice, menu, OmniTouch Touchscreen (53A00-5), and PC Access (1105WSP) are all in Spanish.

20A00-42

8 72257 00330 7

OmniPro II Controller
Spanish Version   20A00-42

El controlador OmniPro II con caja, cerraduras con dos llaves, Modulo Interfase UPB™, cordón y caja RJ31X, manuales.
Spanish language OmniPro II controller with enclosure, lock set with two keys, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals.

20A00-44

8 72257 00332 1

OmniPro II Controller for
Structured Wiring Enclosures
Spanish Version   20A00-44

Controlador OmniPro II en la placa de montaje para Leviton, OnQ/Legrand, y tipos de cajas "open house," Modulo Interfase UPB™ y cable, cordón y caja RJ31X, manuales, kit de accesorios, diagrama eléctrico para la puerta de la caja estructurada.
Spanish language OmniPro II controller on mounting plate for Leviton, OnQ/Legrand, and "open house" type enclosures, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals, accessory kit, wiring diagram for enclosure door.

Omni family controllers are available in additional languages. Please visit:
www.homeauto.com/Products/HAISystems/NonEnglishControllers.asp

An ideal choice to secure and automate mid-size homes and small businesses, the Omni IIe is the middle member of HAI's best-selling Omni family.

OMNI IIe
AUTOMATION

20A00-50

8 72257 00273 7

Omni IIe Controller 20A00-50

Omni IIe controller with enclosure, lock set with two keys, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals.

20A00-52

8 72257 00275 1
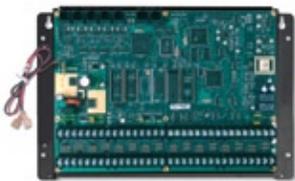
Omni IIe Controller for Structured Wiring Enclosures 20A00-52

Omni IIe controller on mounting plate for Leviton, OnQ/Legrand, and "open house" type enclosures, UPB™ Powerline Interface Module and cable, RJ31X cord and jack, manuals, accessory kit, wiring diagram for enclosure door.

20A00-53

8 72257 00276 8

Omni IIe Board Only 20A00-53

Omni IIe controller board only.

An economical choice to secure and automate homes, townhouses, condos, apartments and small businesses. The Omni LT is the entry level member of HAI's best-selling Omni family.

OMNI LT
AUTOMATION

21A00-1

8 72257 00034 4

Omni LT Controller   **21A00-1**

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

21A00-11

8 72257 00035 1

Omni LT for Structured Wiring Enclosures   **21A00-11**

Omni LT controller on mounting plate, UPB™ Powerline Interface Module and cable, RJ31X jack and cable, manuals, accessory kit, and wiring label for enclosure door. Fits in Leviton and "open house" type enclosures.

21A00-2

8 72257 00039 9

Omni LT Board Only   **21A00-2**

Omni LT controller board only.

Omni LT Promo Kits can be purchased as Case Lots in groups of six.

Promo 9CS

8 72257 00083 2

Omni LT Kit with Surface Console
Case of 6 **Promo 9CS**
Omni LT controller in enclosure. Includes surface mount console (33A00-1), RJ31X jack & cable, manuals, and accessory kit.

Promo 9SCS

8 72257 00123 5

Omni LT Kit for Structured Wiring Enclosures
Case of 6 **Promo 9SCS**
Omni LT controller on mounting plate for Leviton, and "open house" enclosures. Includes surface mount console (33A00-1), RJ31X jack & cable, manuals, and accessory kit.

Instantly set up a system for demonstrations, home shows, and evaluations using a standard HAI home controller. Demo Adapter Kits are easily and instantly installed and removed with no soldering, wiring, or fuss.

Demo Cases

18A00-13

OmniPro II Demo with OmniTouch and HAI Lighting Control   18A00-13

Fully assembled & operational OmniPro II demo system, including controller, LCD console with built-in speaker, OmniTouch 5.7 Touchscreen, RC-2000WH Omnistat2 Thermostat, HAI Lighting Control: House Status Switch, Scene Switch, and Dimmer, UPB™ Powerline Interface Module and cable, Voice Module. It is packaged in a super duty black travel case. Demo programs included.

18A00-14

Lumina Demo Case   18A00-14

Fully assembled and operational Lumina demo system, including Lumina controller, LCD keypad with built-in speaker, OmniTouch 5.7 Touchscreen, RC-2000WH Omnistat2 Thermostat, HAI Lighting Control: House Status Switch, Scene Switch, Mode Switch, and Dimmer, UPB™ Powerline Interface Module and Phase Coupler. It is packaged in a super duty black travel case. Demo programs included.

Demo Kit Adapters

18A00-5

Demo Adapter Kit   18A00-5

Demo adapter board, instructions *(for Omni IIe, OmniPro II, Lumina, Lumina Pro).*

27A00-2

Omni LT Demo Adapter Kit   27A00-2

Demo adapter board, instructions *(for Omni LT).*

OmniPro II

AUTOMATION

CONTROLLER
In enclosure	**20A00-2**
On mounting plate	**20A00-8**
Spanish in enclosure	**20A00-42**
Spanish on mounting plate	**20A00-44**

OMNI IIe

AUTOMATION

CONTROLLER
In enclosure	**20A00-50**
On mounting plate	**20A00-52**

SERIAL PORTS
HAI Lighting Control	**pg 70**
Serial to PC Cable	**21A05-2**
Serial Connectivity Cable	**36A05-4**
HAI Connectivity Partner Audio System	(Pro II only)
Hi-Fi by HAI	**62A00-1 or 62A00-2**
Access Control Readers	

EXPANSION
Zone Expander	**10A06-1**
Serial Board	**10A17-1**

AUDIO
Omni Console w/ Spkr/Mic	**33A00-4**
Surface Speaker/Mic	**28A00-1**
Flush Speaker/Mic	**28A00-2**
Two-Way Voice Module	**10A11-1**

ETHERNET PORT
See HAI Software Options	**pg 104**
2 way X-10 Interface Kit	**10A09-7**

12V BATTERY

EARTH GROUND

TRANSFORMER
24V, 40 VA
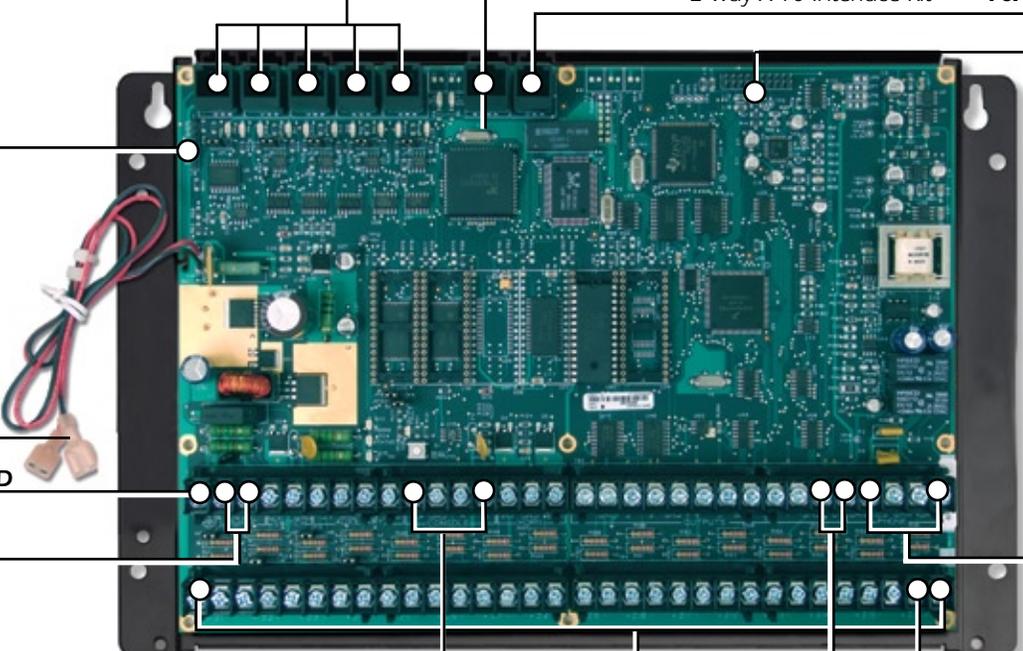
USER INTERFACE
OmniTouch Touchscreens & Consoles
pg 96

EXPANSION
HAI Wireless Receiver	**45A00-1**
Wireless Receiver	**42A00-2**
Expansion Enclosure	(Pro II only)

TELEPHONE INTERFACE
PC Access	**pg 112**
Telephone	
2-Way Cellular Communications Center	

SECURITY & ENERGY MANAGEMENT
Temperature Sensor	**31A00-7**
Temperature/Humidity Sensor	**31A00-8**
Standard Security/Fire/Environmental Sensors	

COMFORT & CONVENIENCE
HAI Omnistat2 Thermostats **pg 58**

CONTROLLER

OMNI LT AUTOMATION

In enclosure	**21A00-1**
On mounting plate	**21A00-11**

AUDIO

Omni Console w/ Speaker/Mic	**33A00-4**
Surface Speaker/Microphone	**28A00-1**
Flush Speaker/Microphone	**28A00-2**
Two-Way Voice Module	**10A11-1**

EXPANSION

Omni LT Expander	**22A00-1**

CONNECTIVITY

Serial Board	**10A17-1**

SERIAL PORT

HAI Lighting Control	**pg 70**
HAI Web-Link II Software	**1108**
Home Control for Media Center	**1109**
Serial Cable	**21A05-2**
Hi-Fi by HAI	**62A00-1 or 62A00-2**
PC Access	**pg 112**
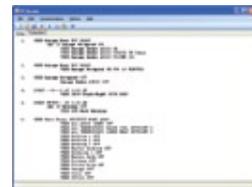
TELEPHONE INTERFACE

PC Access	**pg 112**
Telephones	
Computer Modems	
2-Way Cellular Communications Center	

2 way X-10 Interface Kit **10A09-7**

EARTH GROUND

TRANSFORMER

16.5V, 40 VA
(12V Battery)

EXPANSION

Wireless Receiver	**45A00-1**

USER INTERFACE

OmniTouch Touchscreens
& Consoles **pg 96**

COMFORT & CONVENIENCE

HAI Omnistat2 Thermostats (2 max)
pg 58

SECURITY & ENERGY MANAGEMENT

Temperature Sensor	**31A00-7**
Temperature/Humidity Sensor	**31A00-8**

Standard Security/Fire/Environmental Sensors

10A06-1

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)*.

17A00-1

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)*.

17A00-9

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 Leviton, OnQ/Legrand and "open house" type structured wiring enclosures *(for OmniPro II, Lumina Pro)*.
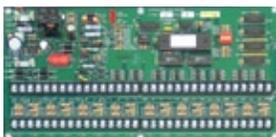
17A00-8

Expansion Board Only   17A00-8

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

22A00-1

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).

8 72257 00046 7
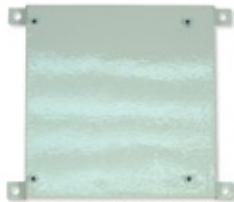
21A07-2

Mounting Plate for Omni LT 21A07-2

Mounting plate, hardware kit & instructions. Used to mount Omni LT controllers in Leviton and "open house" type structured wiring enclosures (for use with Omni LT only).

8 72257 00044 3

20A07-2

Universal Mounting Plate 20A07-2

Mounting plate, hardware kit & instructions. Used to mount HAI's Omni, Lumina, and Hi-Fi main board assemblies, expanders, and accessories in Leviton, OnQ/Legrand, and "open house" type structured wiring enclosures.

8 72257 00032 0

NEW

70A00-1

8 72257 00433 5

Two-Way Cellular Communication Center 70A00-1

Connects with any HAI Omni or Lumina home control system, as well as any security panel.

Checks the status of the home phone line. If the phone line is unavailable, it will emulate the phone line signal, and the panel will dial out using your GSM cellular network to communicate with a central monitoring station, and/or your cellular telephone. Includes backup battery and antenna. Requires GSM SIM card and cellular service. Can be used in applications where land lines are not present.

PICK UP YOUR HOME PHONE TO ANNOUNCE: "Dinner is Ready!"
or call into your home from your cell phone or office to check up on elderly relatives.

10A11-1

8 72257 00005 4

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". With a Two-Way Voice Module, Hi-Fi by HAI can broadcast your announcements throughout the house. With the OmniPro II and the Lumina Pro, you may leave a voice message for someone. Includes two-way voice board, mounting material, and instructions. Use with the 33A00-4 console, 33A00-20 keypad, 28A00-1 Surface Speaker/Microphone, or 28A00-2 Flush Speaker/Microphone.

WIRING INSTRUCTIONS FOR TWO-WAY VOICE MODULE AND DEVICES THAT USE IT:

Do not mount speakers, microphones, 28A00 modules, or 33A00-4 consoles near any device that may produce noise (fans, air conditioning units, audio speakers, etc.). Microphones should be connected with 24 AWG or larger, shielded twisted pair wire. Wire length should not exceed 100 feet. Connect the cable shields and negative wires together at the Model 10A11-1 terminal block only. Do not connect the shield on the microphone end. Additional microphones can be connected to each input in parallel. Speakers should be connected with 18 AWG or larger, twisted pair wire. For wire runs that exceed 50 feet, use 16 AWG wire or larger. Wire length should not exceed 100 feet. A power amplifier may be connected to the line-level audio output using a 3.5mm patch cable. The page output provides a contact closure whenever the Model 10A11-1 generates audio.

10A17-1

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.

10A07-1

19A00-1

4 Relay Module   10A07-1
8 Relay Module   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.

21A06-1

Enclosure Lock & 2 Keys   21A06-1

Lock for enclosure, two keys.

44A02-1

12V 5AH Battery   44A02-1

Replacement Battery for Omni and Lumina controllers. controllers. (For Omni installations, HAI strongly recommends the use of a 7 AH Battery, which is included in all Omni packages).

44A03-1

24V 40VA Transformer   44A03-1

Replacement Transformer for Omni and Lumina controllers.

44A01-1

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.)***

28A00-1

Surface Speaker Microphone   28A00-1

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 number 10A11-1. Includes speaker and microphone, surface mount enclosure, instructions. See special wiring instructions on page 32.

28A00-1

28A00-2

Flush Speaker Microphone   28A00-2

Includes speaker and microphone, flush mount enclosure, instructions. See special wiring instructions on page 32.

28A00-2

Chip Upgrades

EPROM chip upgrade with installation instructions *(for the latest version)*. Works only in compatible controller that does not have flash memory.

OmniPro II Chip Upgrade
20A04-2UPG

Omni II Chip Upgrade
20A04-1UPG

Lumina Pro Chip Upgrade
20A04-22UPG

Spanish OmniPro II Chip Upgrade
20A04-42UPG

Omni LT Chip Upgrade
21A03-1UPG

Lumina Chip Upgrade
20A04-21UPG

Omni IIe Chip Upgrade
20A04-50UPG

21A05-2

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 and Home Control for Windows® Media Center.

36A05-2

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 HAI's website.

36A05-4

Serial Connectivity Cable   **36A05-4**

7 foot cable, modular to DB-9M - connects controller to serial ports for Russound, NuVo, RadioRA, CentraLite, Jandy.

Add these convenient wireless products to your Omni or Lumina family controller for security or automation applications.

64 Zone Wireless Receiver   45A00-1

45A00-1

ENHANCED

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 5.7 Touchscreen or PC Access. This information is important to an installer to ensure optimum placement and performance of the transmitters and receivers.

8 72257 00230 0

42A00-2

ENHANCED

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).

8 72257 00461 8

58A00-1

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 number 45A00-1).

57A00-1

NEW

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 number 45A00-1).

56A00-1

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 number 45A00-1).

46A00-1

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 number 45A00-1).

61A00-1

Glass Break   **61A00-1**

The 61A00-1 Wireless Glassbreak Detector is an omni-directional 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 number 45A00-1).

47A00-1

Quad Pet Immune Motion Detector   **47A00-1**

Quad Pet Immune Motion Detector that greatly reduces false alarms. Includes Quad Pet Immune Motion Detector with wall and ceiling mount hardware, battery, instructions. Requires an HAI 64 Zone Wireless Receiver (HAI part number 45A00-1).

Wireless Interface Options

69A00-1

8 72257 00434 2

4 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 number 45A00-1).

48A00-1

8 72257 00233 1

4 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 number 45A00-1).

50A00-1

8 72257 00235 5

Panic/Alert Pendant   50A00-1
Can trigger outgoing phone calls 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 number 45A00-1).

Keep an Eye on Your Home

View and/or Record Video for Safety and Convenience

Ensure security and peace of mind with surveillance video of your home.

View surveillance video of the front door, nursery, or pool area.

On vacation and worried 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.

Use HAI's Network Digital Video Recorder to record video based upon time, event, or motion. View recorded video at your convenience.

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.

*Requires third party modulator.

Left side of NDVR

USB Port

RS232 Serial Port

Audio In/Out

Status Lights

68A00-1

8 72257 00409 0

Right side of NDVR

Camera Inputs

Video Output — Ethernet Port

Terminal Block
for Alarm Inputs

Power Cord Input
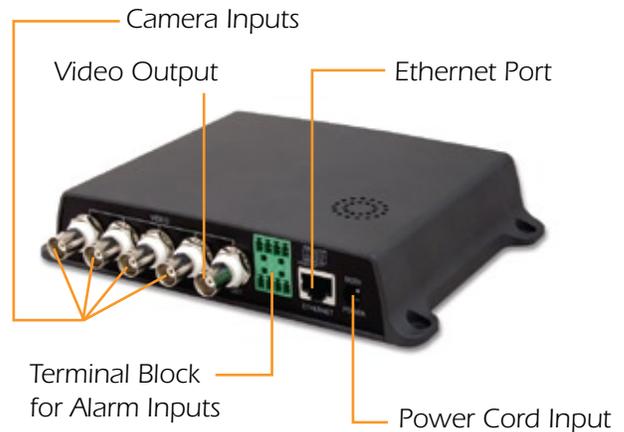
**Network Digital
Video Recorder (NDVR)   68A00-1**

This 4-channel NDVR is the perfect tool to monitor the safety and security of your home. Keep an eye on who is at the front door, what is going on by the pool, or check on the baby's room while you are at home or away.

Connects to any analog surveillance camera including HAI's Indoor Dome Camera (HAI part number 68A01-1) and HAI's Day/Night Color Bullet Camera (HAI part number 68A02-1). Cameras can be viewed on a computer at home or over the Internet.

The Network Digital Video Recorder can also record based on motion or any other event and the recordings can be viewed on or offsite. Included client software allows you to view live and recorded video for up to 16 cameras at the same time. Network DVR can be used stand-alone or with an HAI home control system. Structured Wiring Backplate available on page 42.

Wiring:
- Cat 5 for network
- BNC connections for Composite Video
- Shielded cable required for Two-Way Audio

TECHNICAL SPECIFICATIONS:
4 Composite Inputs
1 Composite Output
Highly reliable embedded LINUX operating system
MPEG-4 compression
High Resolution (up to 720 x 480 @ 30fps)
Internal 80 GB hard drive
USB 2.0 port to add additional storage
Two-Way Audio
Static and Dynamic IP Support
RS232 and RS485 Support
Alarm Input
2 Relay Outputs

HAI SURVEILLANCE

Surveillance Configuration Utilities and Manuals CD

The CD is included with the NDVR and contains the following:

- Central Management Software and User Guide, IP Setup Wizard
- ActiveX Installer
- NDVR Quick Installation Guide
- NDVR Installation and User Guide
- Indoor Dome Camera Manual
- Color Bullet Camera Manual

CD is included with purchase of 68A00-1.

Universal Mounting Plate Kit for Network DVR   68A04-1

Mounting Plate, hardware kit, and instructions. Used to mount Network Digital Video Recorder, HAI part number 68A00-1 (sold separately), in Leviton or "open house" type structured wiring enclosures.

68A04-1

8 72257 00426 7

NDVR Shown but not included

Universal Mounting Plate Assembly for Network DVR   68A04-2

Universal Mounting Plate Assembly, with Camera Power Supply mounted on the backplate, includes hardware to mount Network Digital Video Recorder, HAI part number 68A00-1 (sold separately), in Leviton or "open house" type structured wiring enclosures.

68A04-2

8 72257 00445 8

NDVR Shown but not included

HAI SURVEILLANCE

68A02-1 | **Day/Night Color Bullet Camera**

- 1/3" CCD Sensor
- High Resolution - 550 TV Lines (Color), 600 TV Lines (B/W)
- Day/Night Function with ICR
- 3.8~9.5mm, DC Auto Iris
- 0.1 Lux (Color), 0.01 Lux (B/W), 0.002 Lux (DSS On)
- 36 IR LEDs

- Separate Camera Control Board
    - On-Screen Display Menu
    - Service Monitor Output
- 12VDC/24VAC Dual Voltage
- Aluminum Housing (Weatherproof)
- Aluminum Bracket (Wire Feed-Through)
- Power supply required, available on page 42

68A02-1

8 72257 00411 3

68A01-1 | **Indoor Dome Camera**

- High Resolution - 550 TV Lines
- 0.1 Lux (Normal), 0.002 Lux (DSS On)
- Separate Camera Control Board
    - On-Screen Display Menu
    - Service Monitor Output
- 12VDC/24VAC Dual Voltage
- 4" Polycarbonate Bubble

- 3–Axis Gimbal
- Flush Mount Housing with Surface Mount Plate in a single package
- Ivory Plastic Housing
- Compact Size
- Power supply required, available on page 42

68A01-1

8 72257 00410 6

Limit admission to designated areas using HAI's Access Control products. When you swipe a card or keytag, you can accomplish multiple functions such as arming or disarming security and activating a door strike to open a door.

HAI's Access Control product family consists of a proximity card reader and accessories that connect to an HAI home control system. The Card Reader is a 125 KHz high security, digitally encrypted, 26-Bit proximity card reader that connects to a serial port on an HAI Home Control System. It provides a read range up to 4 inches with the HAI clamshell cards and up to 2 inches with the HAI key tags.

The reader has durable and scratch resistant polycarbonate housing. Full epoxy potting ensures successful operation even in harsh environments.

It has simplified wiring for residential or small commercial use – everything between the controller and the readers go over a single 4 conductor or Cat5 wire, including power.

Swiping a card can:
- Disarm the alarm
- Release the door lock
- Light a pathway into the house
- Change temperature
- Turn on audio zones with volume and source pre-selected

Swipe the card to activate pathway lighting and additional safety features.
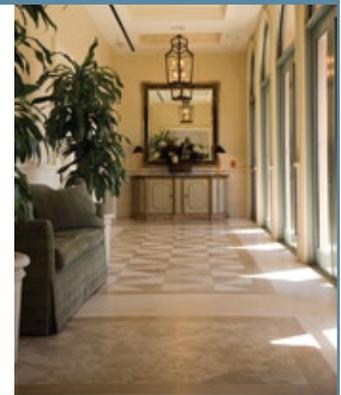
Because each card or keytag is tied to a specific user, all of the actions can be customized for each individual user.

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.

Use either a standard credit card sized Access Control Card or the convenient Access Control Keytag to access the system.

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 of day and day of week, 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. Because each card or keytag is tied to a specific user, all of the actions can also be customized for each individual user.

HAI also offers an Access Control Keypad that is weatherproof and vandal resistant. It connects via the serial port on an HAI home control system.

HAI Access Control cards can also 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 Access Control can help prevent unauthorized access to a pool, backyard, or entrance gate.
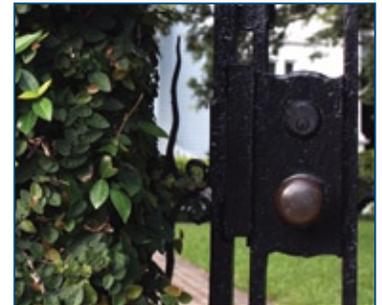
Capacity Description	Products:	Capacities:
Access Control Card Reader	OmniPro II	16
	Omni IIe	4
	Omni LT	0
	Lumina Pro	16
	Lumina	4
Access Control Card/Key Tag	OmniPro II	99
	Omni IIe	16
	Omni LT	0
	Lumina Pro	99
	Lumina	16

The 75A00-1 requires 4 wires for operation (2 for power and 2 for communications). 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	Number of positive conductors	Number of ground conductors	Maximum 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 (450m.A): 600mA Maximum				
Wire Gauge	Wire Type	Number of positive conductors	Number of ground conductors	Maximum 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

Access Control Wiring Information

75A00-1 and Door Lock (800mA): 950m.A Maximum				
Wire Gauge	**Wire Type**	**Number of positive conductors**	**Number of ground conductors**	**Maximum 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**	**Number of positive conductors**	**Number of ground conductors**	**Maximum 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 cable), it is possible to connect multiple conductors together to achieve greater distance.

Wiring Diagram:
Includes HAI Model 83A00 Power Hub

GREEN

BLACK

REQUEST TO EXIT BUTTON

75A00-1 ACCESS CONTROL READER

WHITE

RED

12VDC ELECTRIC DOOR STRIKE

HAI MODEL 83A00 12VDC POWER HUB

HAI CONTROLLER

RED
BLACK
GRAY
ORANGE

12V GND A B

12V GND A B
DEVICE 2

12V GND A B
DEVICE 3

12V GND A B
DEVICE 4

CONNECT DEVICE 1—4
WITH DEVICE 5—8

CONNECT

DISCONNECT

12V GND A B
DEVICE 5

12V GND A B
DEVICE 6

12V GND A B
DEVICE 7

12V GND A B
DEVICE 8

LB+ LB— A B GND
CONTROLLER

WHEN A SERIAL INTERFACE IS CONFIGURED FOR ACCESS CONTROL, THE CORRESPONDING INTERFACE JUMPER (JP1-JP5) MUST BE IN THE "485" POSITION.

FOR EXAMPLE: JP2 MUST BE SET TO "458" WHEN SERIAL INTERFACE 2 (J2) IS USED FOR ACCESS CONTROL.

GREEN

BLACK

REQUEST TO EXIT BUTTON

75A00-1 ACCESS CONTROL READER

WHITE

RED

12VDC ELECTRIC DOOR STRIKE

RED

BLACK

- GRAY WIRE ON TOP -

- TAB UP -

A — GRAY

B — ORANGE

TOP

SIDE

4 POSITION MODULAR CONNECTOR
ADDITIONAL READERS CONNECT IN PARALLEL

+12 VDC
GND

12 VDC POWER SUPPLY

24 VAC
INPUT

POWER TRANSFORMER

24 VAC   40 VA

WHEN A SERIAL INTERFACE IS CONFIGURED FOR ACCESS CONTROL, THE CORRESPONDING INTERFACE JUMPER (JP1-JP5) MUST BE IN THE "485" POSITION.

FOR EXAMPLE: JP2 MUST BE SET TO "458" WHEN SERIAL INTERFACE 2 (J2) IS USED FOR ACCESS CONTROL.

HAI
ACCESS
CONTROL

75A00-1

8 72257 00446 5

NEW

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. The two-color LED (green and red) and Piezo sounder guarantee accurate and reliable door access operations.

78A00-1

8 72257 00447 2

NEW

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. It is thin, flexible, and light enough to be carried in a purse or wallet. It is preprogrammed at the factory with a unique encryption code. It provides a read range up to 4 inches.

78A00-2

8 72257 00448 9

NEW

Access Control Key Tag Pack of 10   78A00-2

A very small (only 4 grams) 125 KHz high security digitally encrypted proximity key tag. It has a hole for a key ring or chain. It is pre-programmed at the factory with a unique encryption code. It is small and durable enough to fit on a key ring. It provides a read range up to 2 inches.

54A00-1

8 72257 00254 6

Access Control Keypad   54A00-1

A weatherproof and vandal resistant piezoelectric keypad designed to interface with HAI home controllers. The piezoelectric buttons work simply by tapping the surface, and do not require an actual physical movement. The sleek keys of the outdoor keypad can be operated with a bare finger or a snow-covered glove equally well. Stainless steel outdoor keypad, cable assembly, instructions. Connects via serial port on HAI controller. (Does not use a console/keypad port on the console bus).

HAI ACCESS CONTROL

79A00-1

NEW

12VDC Electric Door Strike (Fail Secure) 79A00-1

When used with 75A00-1 Access Control Reader, the 79A00-1 Electric Door Strike securely locks and unlocks a door without the need of a key. It allows the door to be locked when closed, but can be automatically unlocked by the system, or manually unlocked with a key.

The 79A00-1 is a 12VDC Fail-Secure device, which means the door unlocks when power is connected (i.e. the door is locked when power fails).

NEW

83A00-1

Power Hub in Enclosure 83A00-1

General purpose 12VDC power supply mounted in enclosure. Designed to provide power to several HAI products, including the 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. It has convenient connections and power terminals for a neat installation. It is designed to eliminate unsightly transformers, power strips, external power supplies, battery backup units, and complex wiring normally associated with access control installations.

NEW

83A00-2

Power Hub for Structured Wiring Enclosures 83A00-2

General purpose 12VDC power supply for structured wiring enclosures. Designed to provide power to several HAI products, including the 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. It has convenient connections and power terminals for a neat installation. It is designed to eliminate unsightly transformers, power strips, external power supplies, battery backup units, and complex wiring normally associated with access control installations.

Want to keep your home comfortable while saving money on your energy bill?

HAI is a leader in promoting energy efficiency within the home environment by providing ways to reduce energy consumption while maximizing comfort.

- The Lumina family of home control systems' primary focus is to save money with sophisticated lighting and temperature control. They can also be tied into a security system.

- The HAI Omnistat2 line of programmable communicating thermostats and temperature sensors add energy efficiency to your home by adjusting temperatures based on activity such as home or away.

- Proper humidity control helps keep you comfortable while saving energy. HAI offers temperature and humidity sensors that may be used for temperature based control of attics, garages, greenhouses, basements, wine cellars, or coolers.

- Your HAI Lumina home control system can turn off lights, water heaters and 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.

> "Dimming the light by 10% saves 10% of energy and extends the life of the bulb by two times."
>
> *- Energy Conservation Enhancement Project at Louisiana State University (LSU)*

California
Title 24 Compliant

Cover 100% of Your Energy Management Needs!

HAI products make your home more energy efficient.

The following chart displays household energy consumption percentages, provided by the US Department of Energy. HAI provides products to save energy in each category of consumption.

HAI Lighting Control

Lighting
15%

Appliances, Electronics, Other
15%

Appliance Modules

Heating & Cooling
56%

Water Heating
14%

Load Control Modules
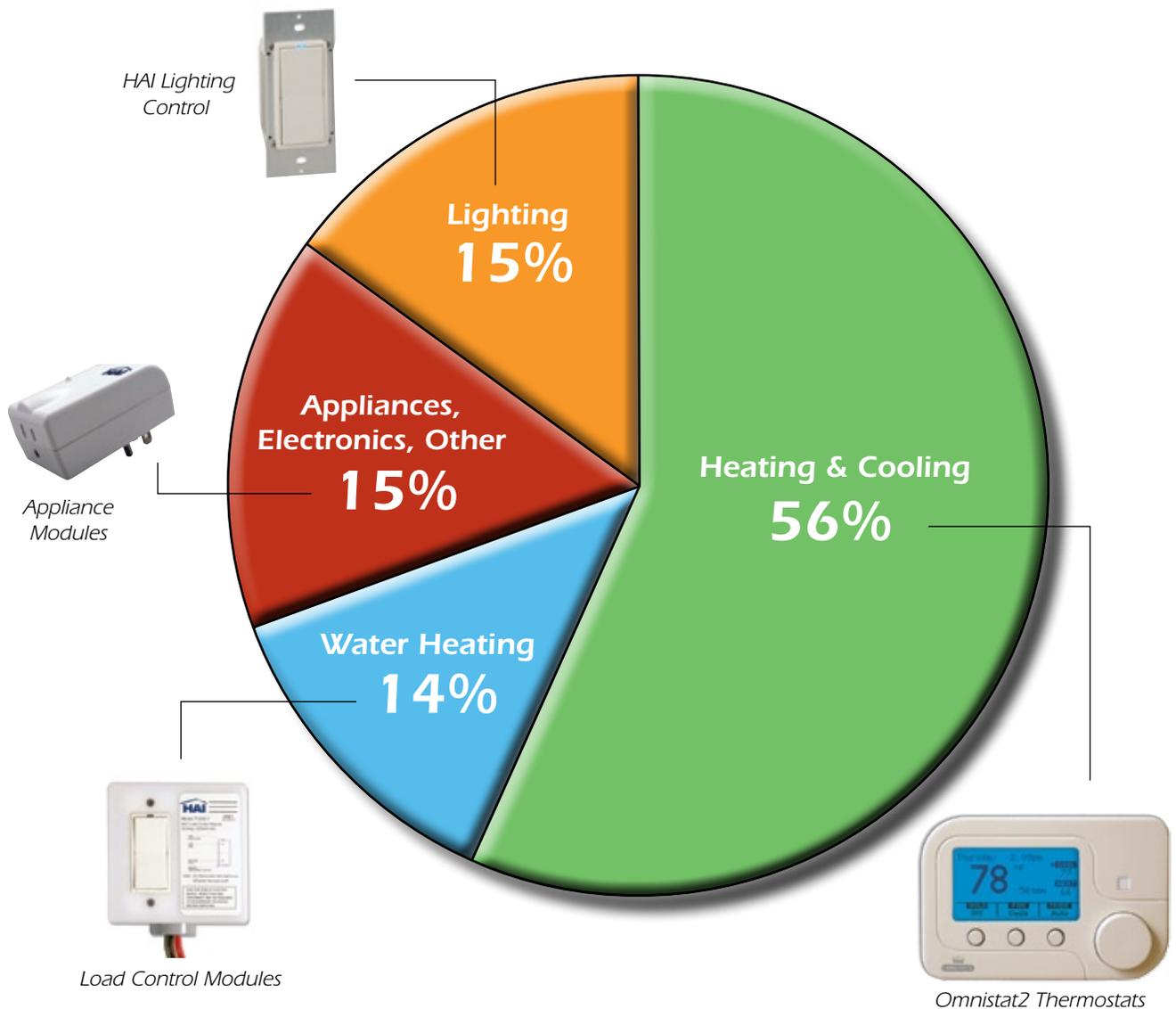
Omnistat2 Thermostats

HAI Models	Lumina Pro	Lumina
Rooms	31	8
Loads (lights)	250	64
House Status Switches	31	8
Max Keypads*	16	8
Max OmniTouch 5.7**	15	7
Thermostats	64	4
Access Control Card Readers	16	4
Access Control Card/Key Tag	99	16
Audio Control	Yes	Yes
Flash Memory	Yes	Yes
Inputs (with expansion)	16 (176)	16 (48)
Outputs (with expansion)	10 (136)	10
Ethernet Port	Yes	Yes
Serial Ports (w/ expansion)***	5 (6)	5 (6)
Programming Lines	1500	500
Vocabulary	550	550
Customizable Vocabulary	Yes	No
Depluggable Terminal Strips	Yes	Yes
Num. of 16 Zone Hardwire Expanders (10A06-1) Supported	2	2
Num. of Expansion Enclosures (17A00-X) Supported	8	0
Num. of 64 Zone Wireless Receivers (45A00-1 or 42A00-2) Supported****	2	1
Warranty	3 Years	2 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.

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

44A00-2

Lumina Pro   **44A00-2**

Supports 31 rooms (250 lights). 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.

44A00-1

Lumina   **44A00-1**

Supports 8 rooms (64 lights). 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.

CONTROLLER
Lumina Pro   44A00-2
Lumina   44A00-1

POWERLINE
INTERFACE
MODULE

Powerline Interface Module
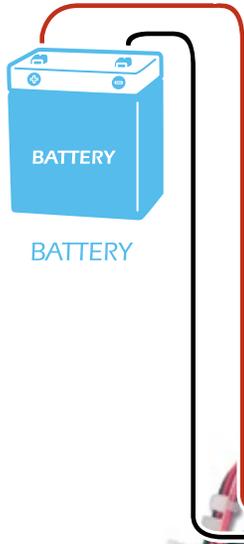
6 CONDUCTOR

BATTERY

BATTERY
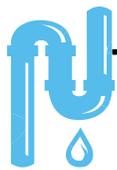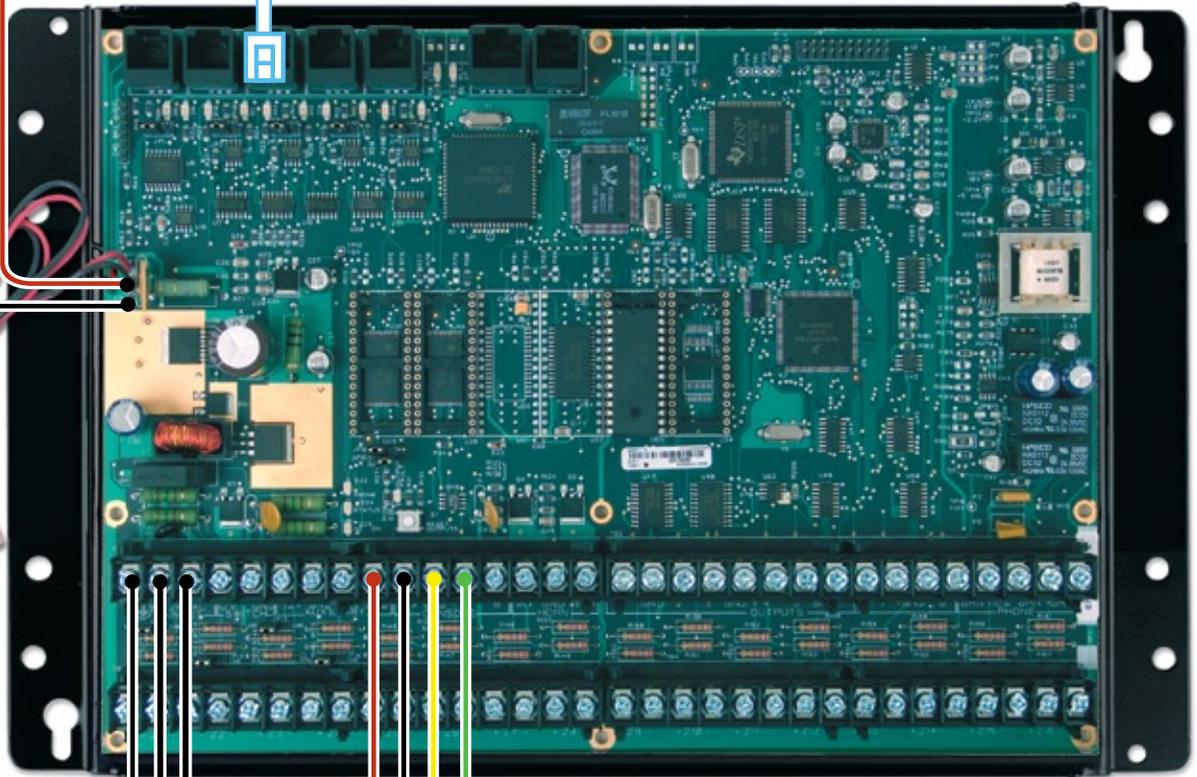
COLD WATER
PIPE (METAL) OR
GROUND ROD

POWER
TRANSFORMER
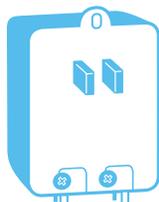
KEYPAD PC BOARD
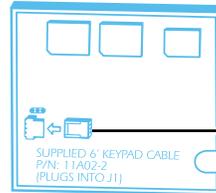
SUPPLIED 6' KEYPAD CABLE
P/N: 11A02-2
(PLUGS INTO J1)

RED
BLACK
YELLOW (or WHITE)
GREEN

LUMINA KEYPAD

Energy Savings with the Push of a Button!

Place a Lumina Mode Switch by the main door or in the master bedroom to easily adjust lighting and energy consumption when leaving or going to bed.
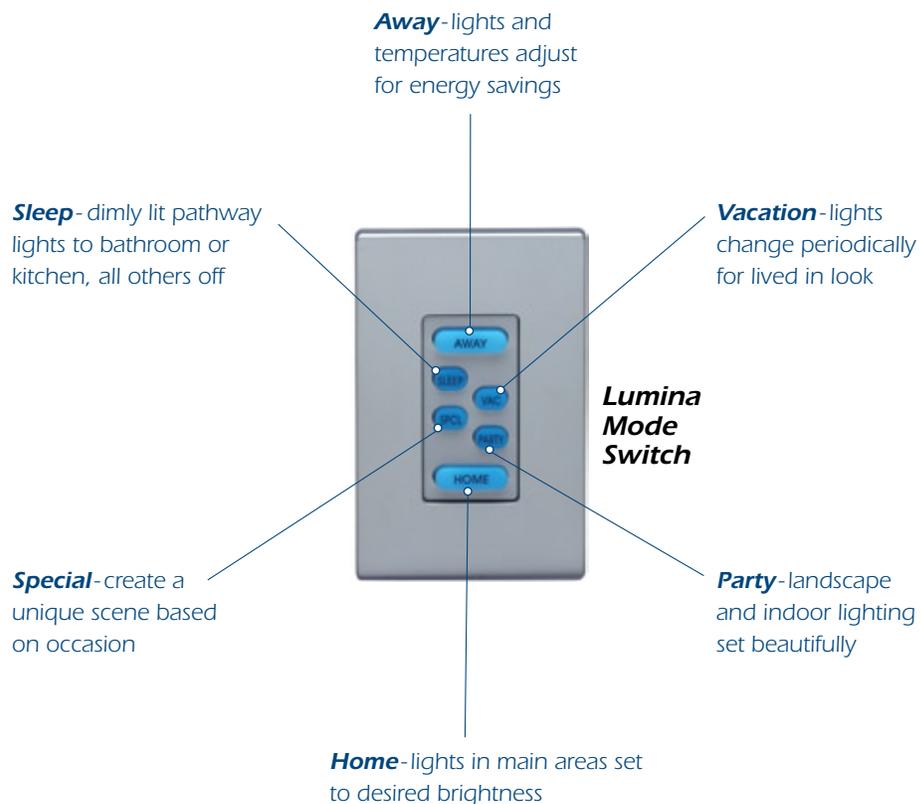
Away - lights and temperatures adjust for energy savings

Sleep - dimly lit pathway lights to bathroom or kitchen, all others off

Vacation - lights change periodically for lived in look

Lumina Mode Switch

Special - create a unique scene based on occasion

Party - landscape and indoor lighting set beautifully

Home - lights in main areas set to desired brightness

38A00-3

8 72257 00282 9

Lumina Mode Switch   **38A00-3**

This 6 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 on page 79. *(Grey bezel shown. Uses standard Decora-style Wallplate. Wallplate not included.)*

OMNISTAT/2

Omnistat2 - HAI's Newest Generation of Energy Efficient 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.

According to the US 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. The Omnistat2 automatically adjusts the temperature for you and saves you money!

Silver Omnistat2 showing simplified display and Blue backlight.

> **Save up to 10% a year with a programmable thermostat that automatically adjusts the temperature...for the hours that the house is unoccupied.**
>
> **- Alliance to Save Energy**

Easy to use

- Using advanced digital technology your Omnistat2 "learns" your home's heating and cooling patterns and adjusts control to maximize both your HVAC's efficiency and your family's comfort.

- The backlight comes to life as the Omnistat2 is approached, making it easy to adjust in the dark of the night.

- To adjust the temperature, simply turn the scroll wheel to the right or left.

- Three buttons facilitate easy to navigate menus to display information such as temperature setpoints, modes, outdoor temperature and humidity, run time by week, and more!

- Selectable simplified and advanced displays.

Comfort has never looked so good

The Omnistat2 has three different color options, Black, Silver, and White, in order to match nearly any décor.

Additionally, with over one hundred customizable backlight colors, you may change the backlighting from Blue to Red or any color in between with the turn of the scroll wheel.

OMNISTAT/2

White Omnistat2 showing advanced display and Pink backlight.

Omnistat2 Features...

Comfort

Supports conventional and heat pump systems, and dual fuel with 2nd stage auxiliary heat. Supports one external temperature sensor for indoor or outdoor.

- Digital precise temperature control
- Automatic heat/cool changeover
- Fan cycle mode periodically circulates air for comfort
- Displays outdoor temperature and humidity (optional)
- Indoor sensor averaging with remote sensor
- Humidity control (RC-2000)
- Advanced design does not need batteries to retain settings and time
- Temperature readings available in Fahrenheit or Celsius

Energy Management

- Learns how your home heats and cools to intelligently control the equipment for efficiency and comfort
- Graphical display of HVAC usage, by week
- 7 day schedule with copy function
- Temperature settings for Home, Night, Away, and Vacation when integrated with an HAI home control system
- Filter reminder for peak efficiency
- Built-in vacation mode feature - restores temperatures before arriving home
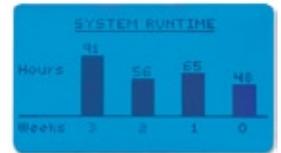
Communication

- Communicates with HAI home control systems and other manufacturer's automation systems
- Remote access via Internet and telephone (optional)
- Expansion port for wireless communication

Style

- Proximity detector, screen lights up when approached
- Choose between one of two display options, based upon what information you want to view
- Multi-color backlight - adjustable at any time
- Available in Black, Silver, and White

OMNISTAT/2

RC-2000 Omnistat2 Multistage & Heat Pump with Humidity Control

The RC-2000 is the universal thermostat with these added features:

- Humidity sensing and display
- Humidifier control
- Dehumidifier control
- Supports up to 2 stage conventional and 2 stage heat pump with 3rd stage auxiliary heat

Order Thermostat in Desired Color

Black   **RC-2000BL**
Silver   **RC-2000SL**
White   **RC-2000WH**

Black — 8 72257 00419 9
White — 8 72257 00421 2
Silver — 8 72257 00420 5

RC-1000 Omnistat2 Single Stage Conventional & Heat Pump (with Aux)

Order Thermostat in Desired Color

Black   **RC-1000BL**
Silver   **RC-1000SL**
White   **RC-1000WH**
Case of 12   **RC-1000WHCS**

Black — 8 72257 00416 8
White — 8 72257 00418 2
Silver — 8 72257 00417 5
WH case of 12 — 8 72257 00491 5

Omnistat2 & Utility Smart Metering Systems

Displays Energy Details such as current cost as provided by your utility company.*

As more utility companies begin to use smart metering systems, HAI is leading the charge with the Omnistat2.

Easily monitor your home's energy usage with graphs and reports, including real-time energy costs and bills!

Omnistat2 models include the ability to communicate with your utility company for load shedding applications, and the ability to view real-time current energy bills, graphical displays of energy cost per week, and current energy cost. *

Displays Energy Setbacks for medium, high, and critical energy rates. These automatic temperature setbacks allow you to save money on energy bills if rates were to change.*

Advanced interaction between your home and your utility company can result in reduced energy usage and bills! Contact your local utility company to encourage their participation.

*Above features require participation from utility company and may require additional equipment or upgrades.

This graph allows you to monitor your Energy Cost, broken down by a specified time determined by your energy company.*

OMNISTAT/2

Introducing HAI's Wireless Zigbee Thermostats

HAI's Omnistat Wireless thermostats are available with ZigBee transceivers installed, making them ideal for retrofit applications.

HAI offers Omnistat2 Wireless programmable communicating thermostats for conventional single stage heat/cool, heat pump, two speed heat pump, two stage conventional, and zone control systems.

Omnistat2 Wireless thermostats are fully interactive with all HAI home control systems and are compatible with most others. They may be controlled both locally and remotely.

What is ZigBee?

HAI's wireless energy management products use a new technology called ZigBee. ZigBee is a two-way radio link between components in a wireless system. Reliability is enhanced because the components can form a "mesh network" to relay signals from one to another if one is out of range.

OMNISTAT/2

Black

Silver

White

Omnistat2 Wireless **RC-2000(colorcode)ZB**
Features are exactly the same as RC-2000 (see page 60).
Uses ZigBee to communicate wirelessly.

Order Thermostat in Desired Color

Black **RC-2000BLZB**
Silver **RC-2000SLZB**
White **RC-2000WHZB**

Black

Silver

White

Omnistat2 Wireless **RC-1000(colorcode)ZB**
Features are exactly the same as RC-1000 (see page 60).
Uses ZigBee to communicate wirelessly.

Order Thermostat in Desired Color

Black **RC-1000BLZB**
Silver **RC-1000SLZB**
White **RC-1000WHZB**

COMING SOON!

73A00-3

8 72257 00520 2

30A Wireless Load Control Module 73A00-3

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 to communicate wirelessly.

COMING SOON!

73A00-4

8 72257 00521 9

5A Wireless Load Control Module 73A00-4

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

COMING SOON!

60A00-2

8 72257 00522 6

15A Plug-in Load Control Module 60A00-2

Wireless controls for water heaters, pool pumps, outdoor fountains, lighting, and more. Uses ZigBee to communicate wirelessly.

COMING SOON!

81A00-2

8 72257 00515 8

MicroControl 81A00-2

Tabletop, bedside, or wall mount display and control for selected HAI controller, Omnistat2, and Load Control Module functions. Comes with two-way RF transceiver and plug-in power supply. Uses ZigBee to communicate wirelessly.

COMING SOON!

81A00-3

8 72257 00516 5

Wireless Coordinator for HAI Omni & Lumina Controllers 81A00-3

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 to communicate wirelessly.

HAI offers Load Control Modules (LCMs) to control the power consumption for high wattage loads such as pool pumps and hot water heaters. The LCMs can also control fountains, ceiling/attic fans, fluorescent lights, motors, and exterior lights.

71A00-1

HLC Load Control Module   71A00-1

HLC Load Control Module is a 30 AMP Module utilizing Generation II UPB™ (Universal Powerline Bus) technology over existing power lines. Can control 120 or 240V loads. Requires neutral wire.

72A00-1

Hardwired Load Control Module   72A00-1

Hardwired Load Control Module is a 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 277V AC loads. Ideal for lighting control in small commercial environments. Requires 120V and neutral wires.

ENHANCED!

30A00-2

8 72257 00467 0

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.

65A18-1

8 72257 00459 5

Omnistat2 Trim Ring   65A18-1
The white Omnistat2 backplate is used as a cover-up
when retrofitting homes with an Omnistat2 thermostat.
The Omnistat2 thermostat mounts gently on top, and
is easy to install thanks to the properly positioned slots.
(Omnistat2 Thermostat shown but not included).

23A00-1

**Surface Mount
Remote Indoor Temp Sensor   23A00-1**

Surface indoor temperature sensor for Omnistat & Omnistat2 thermostats.

23A00-2

**Flush Mount
Remote Indoor Temp Sensor   23A00-2**

Flush indoor temperature sensor for Omnistat & Omnistat2 thermostats.

29A00-1

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)*.

HAI sells temperature and humidity sensors that may be used for controlling temperatures in attics, garages, greenhouses, basements, wine cellars, and coolers.

Use the water temperature sensor to supervise and manage pool and spa temperatures.

14A00-8

Water Temperature Sensor   14A00-8

Water Temperature Sensor 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.

8 72257 00014 6

31A00-7

Extended Range Indoor/Outdoor Temperature Sensor   31A00-7

Indoor/Outdoor temperature 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.

8 72257 00238 6

31A00-8

Extended Range Indoor/Outdoor Temperature & Humidity Sensor   31A00-8

Indoor/Outdoor temperature 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.

8 72257 00239 3

1101A

PESM   1101A

The PESM is 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.

8 72257 00007 8

![HAI lighting control logo]

Elegant, Reliable Lighting Control at an Affordable Price!

Save money and energy with HAI Lighting Control (HLC). The Home Lighting Control Alliance says that dimming your lights by 25% saves 20% of the energy used and extends bulb life by 10 times. Dimming your lights by 50% saves 40% in energy and extends bulb life by 20 times. HAI systems can automatically set lights to any percentage, saving you money every time a light is turned on.

Lighting control can enhance the enjoyment and value of your home, add security for peace of mind, and contribute to savings on your energy bill.
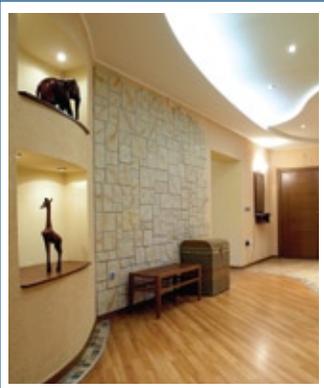
With HLC you can experience all of the benefits of a sophisticated lighting control system that is affordable and retrofittable.

The HLC product line includes dimmers, switches, remote controls, and plug-in modules.

HLC is a modular system, so you can easily add rooms or lights anytime, updating as your needs change. For retrofits or expansion, simply replace the existing light switch with an HAI "smart" switch.

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

Set the mood for entertaining with the push of a button.

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

Light a pathway to safely exit your home during a fire.

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

Easy to Use

- Switches feature true rocker action. Press and hold to brighten or dim. Press up to turn on. Press down to turn off.

- Homeowners may easily change scene settings at any time without a service call.

Matches Your Style

- Most switches accommodate standard Decora-style Wallplates for unlimited faceplate options.

- Most switches are offered in a multitude of colors, including Almond, Black, Brown, Grey, Ivory, Light Almond, and White.

- LED indicator lights at the top of the switches can be programmed to glow Blue, Red, Magenta, or turned off entirely.

- Scene Switch and House Status Switch may have custom laser engraved buttons.

No Need to Re-wire!

- For retrofit or expansion, simply replace the light switch with an HAI "smart" switch.

- Can be used in new or existing homes that have standard electrical wiring.

- HLC uses Generation II UPB™ (Universal Powerline Bus) a digital communications standard for lighting and home control that ensures superior reliability.

Expand Your Benefits with an HAI Home Controller.

HAI Lighting Control (HLC) can be used with or without an HAI home control system. When HLC is used in conjunction with an HAI home control system, lights can be scheduled by sunrise/sunset, motion, or event. Additionally, lights can be controlled via remote control, telephone, Smartphone, Internet, Touchscreen, or TV.

Control your lights with an OmniTouch 5.7 Touchscreen.

Customize your system with HAI's UPStart!

Although HLC sets up your system automatically, for advanced programming, HAI's UPStart software is available for free via HAI's website. Use the PIM and a cable (HAI part number 36A05-2) to connect the PIM to a computer's serial port.

HAI offers many lighting control products to fit your needs.

Generation II UPB™ Benefits

- Improved communication and enhanced noise immunity for superior reliability even in the noisiest of environments.
- Swifter reaction time of switches when tapped; virtually no delay between tapping of switch and light reaction.
- Full compatibility with UPB™ split phase repeaters.

35A00-1

8 72257 00171 6

35A00-1CS

8 72257 00175 4

600W UPB™

Dimmer Switch	35A00-1
Case of 12	35A00-1CS

The 600 Watt UPB™ Dimmer Switch is used for controlling and dimming lighting loads up to 600 Watts. Includes a white paddle, connectors, instructions. Color Change Kit available on page 79.

35A00-3

8 72257 00173 0

35A00-3CS

8 72257 00177 8

600W UPB™

Non-Dimming Switch	35A00-3
Case of 12	35A00-3CS

The 600 Watt UPB™ Non-Dimming Switch is used for controlling non-dimming loads, such as fluorescent lights, up to 600 Watts. Includes a white paddle, connectors, instructions. Color Change Kit available on page 79.

HAI lighting control™

High Wattage Dimmers

Almond   **55A00-1AL**

8 72257 00257 7

Grey   **55A00-1GR**

8 72257 00260 7

Black   **55A00-1BL**

8 72257 00258 4

Ivory   **55A00-1IV**

8 72257 00256 0

Brown   **55A00-1BR**

8 72257 00259 1

White   **55A00-1WH**

8 72257 00255 3

1000W UPB™ Dimmer Switch
Connectors, instructions. Requires its own gang box or must be de-rated. White paddle shown. Wallplate not included.

Order Switch in Desired Color

Ivory   **55A00-2IV**

8 72257 00262 1

Wallplate - Ivory 55A02-2

8 72257 00295 9

White   **55A00-2WH**

8 72257 00261 4

Wallplate - White 55A02-1

8 72257 00296 6

1500W UPB™ Dimmer Switch
Connectors, instructions. Requires a special back box. White paddle shown. Wallplate not included.

Order Switch in Desired Color

Ivory   **55A02-2IV**   White   **55A02-1WH**

Switch uses special sized Wallplate

1500W Wallplate, Ivory   **55A02-2**
1500W Wallplate, White   **55A02-1**

Ivory   **55A00-3IV**

8 72257 00268 3

Wallplate - Ivory 55A03-2

8 72257 00297 3

White   **55A00-3WH**

8 72257 00267 6

Wallplate - White 55A03-1

8 72257 00298 0

2400W UPB™ Dimmer Switch
Connectors, instructions. Requires a special back box. White paddle shown. Wallplate not included.

Order Switch in Desired Color

Ivory   **55A03-2IV**   White   **55A03-1WH**

Switch uses special sized Wallplate

2400W Wallplate, Ivory   **55A03-2**
2400W Wallplate, White   **55A03-1**

HAI lighting control™

40A00-1

40A00-1CS

15A Relay Switch   **40A00-1**
Case of 12   **40A00-1CS**
White 15A Relay UPB™ Switch is used 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. Color Change Kit available on page 79.

37A00-1

37A00-1CS

Auxiliary Switch   **37A00-1**
Case of 12   **37A00-1CS**
White Auxiliary Switch for remote operation of 35A00, 40A00 and 55A00 dimmers and switches; connectors, instructions. Color Change Kit available on page 79.

59A00-1

59A00-1CS

UPB™ Lamp Module   **59A00-1**
Case of 12   **59A00-1CS**
Plug-in Lamp Module controls lamps up to 300 Watts.

60A00-1

60A00-1CS

UPB™ Appliance Module   **60A00-1**
Case of 12   **60A00-1CS**
Plug-in Appliance Module controls up to 15Amps, general purpose, 1/2 horsepower.

HAI lighting control™

Black   **38A15-BL**

8 72257 00402 1

White   **38A15-WH**

8 72257 00401 4

**Table Top Scene
Switch Cradle**   **38A15-BL Black
38A15-WH White**

Table Top Scene Switch Cradle is used to table mount the Scene Switch, HAI product number 38A00-1, House Status Switch, HAI part number 38A00-2, or Lumina Mode Switch, HAI part number 38A00-3. Tabletop Cradle can be conveniently located throughout the home, including on a bedside nightstand, on the desk in a home office, or next to your favorite chair. Plug directly into electrical outlet. Cord length is 6 feet. Scene Switch shown but sold separately.

Black   **38A16-BL**

8 72257 00414 4

White   **38A16-WH**

8 72257 00415 1

NEW

Table Top Scene Switch with Cradle   38A16-1

Table Top Scene Switch Cradle with Scene Switch pre-installed.

Single Room Lighting Control with No Programming.

For an easy to set up, fully scalable lighting control kit, use lamp modules, Scene Switches in Table Top Scene Switch Cradles, and the HLC Scene Switch Remote Control.

This stand-alone application is perfect for home theaters, great rooms, master bedrooms & baths, outdoor lighting, and many other possibilities.

HAI lighting control™

Scene Switch, 6 Button   38A00-1   Case of 12 38A00-1CS

Set lights to four different scenes to provide options for both security and aesthetic lighting in your home.
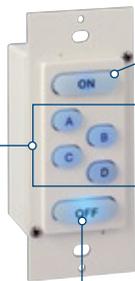
Press to turn on all lights in a room. Press and hold to brighten.

Press to turn off all lights in a room. Press and hold to dim.

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 available on page 79. See next page for custom engraving.

38A00-1

8 72257 00195 2

38A00-1CS

8 72257 00197 6

Scene Switch Remote   38A14-1

Activate pre-set lighting sequences.

Turn on selected room's lights.
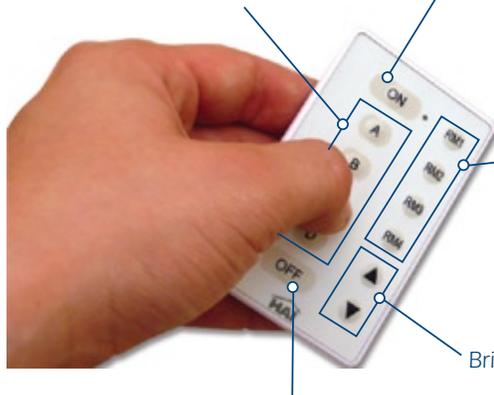
Select which room you wish to control.

Brighten or dim lights.

Turn off selected room's lights.

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

38A14-1

8 72257 00387 1

Case of 12   38A00-2CS   **38A00-2**   **House Status Switch, 8 Button**

If any light is on in one of up to eight rooms, the button for that room is illuminated. Pressing the room's button will turn all of the lights in that room on or off.

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 available on page 80. See below for custom engraving.

38A00-2

8 72257 00196 9

38A00-2CS

8 72257 00198 3

38A06-2   **Custom Engraving**

38A06-2

8 72257 00236 2

Custom Legend Kit For Scene or House Status Switch

Coupon & 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!

HAI lighting control™

39A00-1

8 72257 00223 2

39A00-1CS

8 72257 00224 9

Phase Coupler   **39A00-1**
Case of 12   **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 powerline conditions, HAI recommends the use of a Phase Coupler in every installation.

36A00-1

8 72257 00191 4

36A00-1CS

8 72257 00192 1

UPB™ Powerline Interface
Module & Cable   **36A00-1**
Case of 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.

Almond

8 72257 00187 7

Grey

8 72257 00190 7

Light Almond

8 72257 00395 6

Ivory

8 72257 00186 0

Black

8 72257 00188 4

White

8 72257 00185 3

Brown

8 72257 00189 1

Switch Color Change Kit: White, Ivory, Brown, Almond, Light Almond, Black, Grey

Switch Color Change Kit   35A14-color codeCS

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

Almond

8 72257 00207 2

Grey

8 72257 00210 2

Light Almond

8 72257 00396 3

Ivory

8 72257 00206 5

Black

8 72257 00208 9

White

8 72257 00205 8

Brown

8 72257 00209 6

Scene Switch and Lumina Mode Switch Color Change Kit: White, Ivory, Brown, Almond, Light Almond, Black, Grey

Scene Switch and Lumina Mode Switch Color Change Kit   38A04-color codeCS

Bezel for 38A00-1 or 38A00-3, instructions.

Color Change Kits (sold in case lots of 12 only)

Available colors, color codes

Almond	AL
Light Almond	LTA
Black	BL
Brown	BR
Grey	GR
Ivory	IV
White	WH

Almond

8 72257 00219 5

Grey

8 72257 00222 5

Light Almond

8 72257 00397 0

Ivory

8 72257 00218 8

Black

8 72257 00220 1

White

8 72257 00217 1

Brown

8 72257 00221 8

House Status Switch Color Change Kit: White, Ivory, Brown, Almond, Light Almond, Black, Grey

House Status Switch Color Change Kit   38A05-color codeCS

Bezel for 38A00-2, instructions.

36A10-1

8 72257 00237 9

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.

10A09-7

8 72257 00004 7

Two Way X-10 Transceiver Kit   10A09-7

Two Way X-10 protocol powerline carrier transceiver, 7 foot cable, instructions.

25A00-1

8 72257 00052 8

ALC Interface, 1 branch   25A00-1

1 branch ALC Hardwire Lighting Control Interface to control onQ ALC switches *(1-31 lights).*

25A00-2

8 72257 00106 8

ALC Interface, 4 branch   25A00-2

4 branch ALC Hardwire Lighting Control Interface to control onQ ALC switches *(1-124 lights).*

Wiring Diagram:
Dimmer, Relay, Scene, House Status, and Mode Switches

SCENE SWITCH
38A00-1

L
N
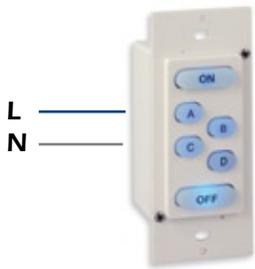
HOUSE STATUS SWITCH
38A00-2

L
N

LUMINA MODE SWITCH
38A00-3

L
N
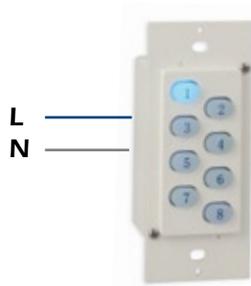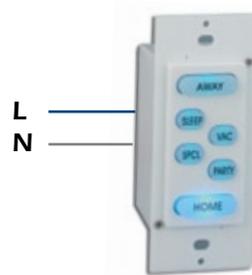
Dimmers & Relay Switch
35A00-1; 55A00-1; 55A00-2;
55A00-3; 40A00-1

Hot

Black

Yellow

Multi-Way Installations

White

Red

Neutral

GND

Green
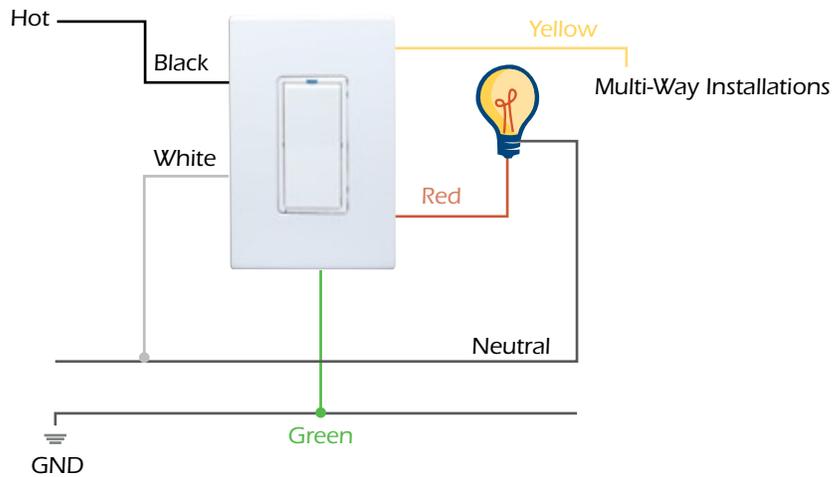
Introducing HAI's exciting new entertainment product family. Integrate all of your media with the rest of your home!

CHECK IT OUT!

A demo for Hi-Fi by HAI is available on HAI's website. Complete with sound, the interactive demonstration shows the benefits of multi-room audio and how it works in your home!

HAI's **Music Gateway** stores thousands of songs and can be controlled from an Ethernet OmniTouch Touchscreen.

HAI's **Entertainment Center** stores and shares your photos, music, movies and more, providing album art and meta-data. It provides access to Internet TV, Internet Radio, and XM-Sirius Satellite radio.

Hi-Fi by HAI is a revolutionary Multi-Room Audio System that plays music and announces messages throughout your house.
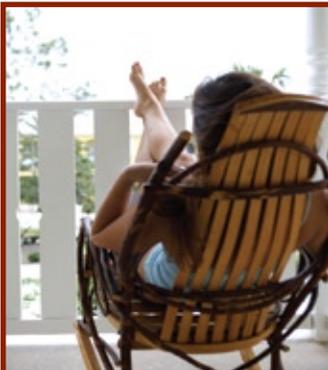
Listen to music from your computer as you relax on the patio. Use a Touchscreen to change songs or adjust volume without leaving the comfort of your lawn chair!

Never miss a play!

Listen to the big game throughout the house.

NEW

Store thousands of songs! Use an HAI Touchscreen to select music by artist, title, genre, or playlist.

The Music Gateway opens up your music to the rest of your home.   HAI's Music Gateway is a music server/renderer with 3 independent channels. Use an HAI Touchscreen to select music by artist, title, genre, or playlist. View album art and other meta-data; Fully integrate with Hi-Fi by HAI or other multi-room audio systems. The Music Gateway can be hidden away in a closed structured wiring cabinet.

Includes HAI's WL3 software (see page 105) for home control and IP camera integration on mobile devices such as the iPhone™, BlackBerry™, Smartphone, or any web browser. It allows you to record and play videos from IP cameras based on system events including motion, alarm, door opening, etc.

Set up and load music and CD's easily from a computer. It can watch folders for songs and search sub-directories to locate music. Additionally, it can locate and play music stored on any other computer that's on the network. It also automatically loads in the album cover art. XM-Sirius Radio can be tied into the Music Gateway as well, provided the user has an online subscription. Can be controlled using an OmniTouch Portable or OmniTouch 5.7e Touchscreen.

84A00-1

8 72257 00465 6

Music Gateway   **84A00-1**
Includes Music Gateway, WL3 software, and power supply.

COMING SOON!

HAI's Home Entertainment Center is a full fledged Media Center PC. The two-way communication allows for music, movies, recorded TV, and photos to be fully integrated into an HAI automated home, and controlled from the TV, Touchscreen, or Smartphone.

It can play media from other computers on the network and provides access to Internet TV, Internet Radio, and XM-Sirius Satellite.

Plug-and-play integration with HAI home control systems and all interfaces, including the Philips Pronto remotes, and the OmniTouch Portable Touchscreen.

The Entertainment Center has an AV component form-factor. More features and details will be released as this product becomes available.

85A00-1

8 72257 00466 3

Entertainment Center   **85A00-1**
Includes Entertainment Center and power supply.

Hi-Fi by HAI

A Revolutionary Multi-Room Audio System

Hi-Fi by HAI creates an audio network in your home, using the sources you already own!

Mom can listen to relaxing jazz on the satellite radio in the kitchen, while dad follows the big game as he barbeques outside, and the kids jam away to rock upstairs!

With Hi-Fi by HAI, you have the ability to listen to different sources at the same time at different volume levels throughout your home. Or set all zones to the same source and volume. Hi-Fi comes standard as a four zone, four source kit, and is expandable to eight zones, six sources.

What Makes Hi-Fi Revolutionary?

Traditional Multi-Room Audio Systems require your music source equipment to be in a central audio rack and many of them require this source equipment to be proprietary brands. Hi-Fi allows you to listen to the music sources that you already own or any brand that you wish to purchase. These sources can be located throughout the house.

How Is This Done?

The main controller of your Hi-Fi is mounted in a closet or basement. Remote Input Modules (RIMs) are installed in rooms that have music sources, such as CD players, computers, iPods™, satellite radios, TVs, etc. The sources are plugged into the RIMs so you can enjoy your favorite tunes in any room!

Controlling Hi-Fi couldn't be easier. There are no confusing buttons, just one knob and a display. Simply mount a Volume-Source Control (VSC) in any room that has speakers that you wish to control. The VSC gives you the ability to play any music that's connected to a RIM - no matter if the RIM is in the same room or not!

Using the VSC is Easy

- Turn the knob to adjust volume.
- Press the knob to change the source.
- Press and hold the knob to alter bass, treble, or to turn the entire system on/off.

The VSC and RIM come in White but are also available in Almond, Black, and Ivory to match the style of any room.

Use a Remote Control

Your Hi-Fi comes with a basic source and volume remote. You can also purchase a Hi-Fi programmable remote that is compatible with your source equipment.

Additionally, you may also point your original source equipment remote at any VSC, regardless of what room you're in, to change stations, CD tracks, pause, play, mute, or crank up the sound!

Add Additional Zones

For every zone desired after the initial four, an additional Zone Amplifier Card must be installed. Up to four additional Zone Amplifier Cards may be installed to accommodate up to the full eight zones.

Hi-Fi has an expansion kit that comes with everything you need to have Hi-Fi reach its maximum capacity. If more power is desired, there are two outputs for additional power amplifiers.

Connect Hi-Fi to an HAI Home Control System

Hi-Fi by HAI may be used as a stand-alone system or with an HAI home control system. With a home control system, you may coordinate your music with activities in the home.

- Set every room to the iPod™ and preset the volumes for a party.
- Mute bedroom and outdoor zones when it's bedtime.
- Turn the entire system off when leaving the house.
- Use your telephone to page throughout the house.

Use any of HAI's user interfaces to control Hi-Fi, including OmniTouch Touchscreens, consoles, keypads, Snap-Link, Home Control for Windows® Media Center, and Web-Link II. Using HAI's Music Gateway, meta-data and album art can be displayed on the OmniTouch Portable Touchscreens.

Technical Specifications

Power is 40 watts RMS per zone at 4 ohms. The audio signal from the source is connected at the RIM and travels over Cat 5 to the main unit. The VSC is also connected to the main unit using Cat 5.

The Class D digital amplifiers are in the main unit, (not in the VSC) so amplifier power is not hindered by Cat 5 wire. Speakers are connected to the main unit using standard 16 gauge speaker wire. There are two variable outputs (Zones 1 and 8) for connection to external power amplifiers, and a page/mute input.

Signals from remote controls are picked up by a sensor in the VSC and routed to the RIM that the VSC has selected as its source. Signals for source equipment are sent out the "IR Out" port on the RIM to control the source.

62A00-1

**Hi-Fi by HAI 4 Zone, 4 Source
Kit with Enclosure   62A00-1**
Includes Hi-Fi Main Board Assembly with 4 installed
Zone Amplifier Cards with vented enclosure, 4 Remote
Input Modules, 4 Volume–Source Controls, Power Supply,
1 Remote Control (62A05-1), cable for HAI controllers,
manuals.

62A00-2

**Hi-Fi by HAI 4 Zone, 4 Source Kit for
Structured Wiring Enclosures   62A00-2**
Hi-Fi Main Board Assembly with 4 installed Zone
Amplifier Cards on Universal Mounting Plate, 4 Remote
Input Modules, 4 Volume–Source Controls, Power Supply,
1 Remote Control (62A05-1), cable for HAI controllers,
manuals.

62A12-1

**Hi-Fi by HAI Expansion Kit   62A12-1
(to 8 zones, 6 sources)**
4 Zone Amplifier Cards, 2 Remote Input Modules, 4
Volume–Source Controls, power supply, manuals.

RIM

- **Remote Input Module** - allows any source from anywhere in the house to be listened to in any or all zones. It also has an IR emitter port for routed IR commands from the VSC.

- Use Cat 5 cable from the RIM to Remote Audio In on the Hi-Fi.

- Maximum of six RIMs.

VSC

- **Volume-Source Control** - control volume and select source, in addition to adjusting bass, treble, balance, and source gain. It also has an infrared receiver.

- Use Cat 5 cable from the VSC to Zone Control In on the Hi-Fi.

- Maximum of eight VSCs.

POWER SUPPLY
HAI Part Number: 62A07-1
Universal Power Supply for Hi-Fi
For Zones 1-4
(Supplied with 4 Zone, 4 Source Kit)
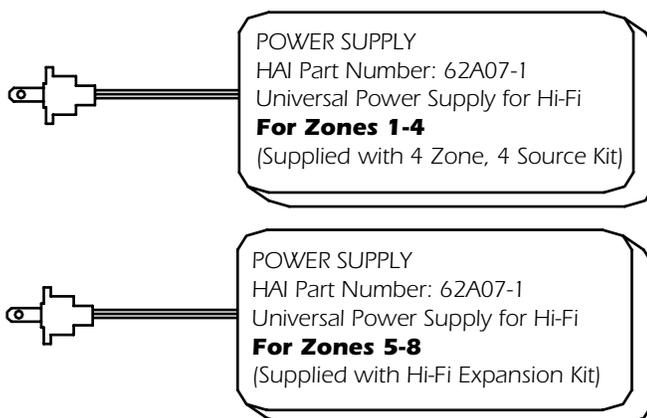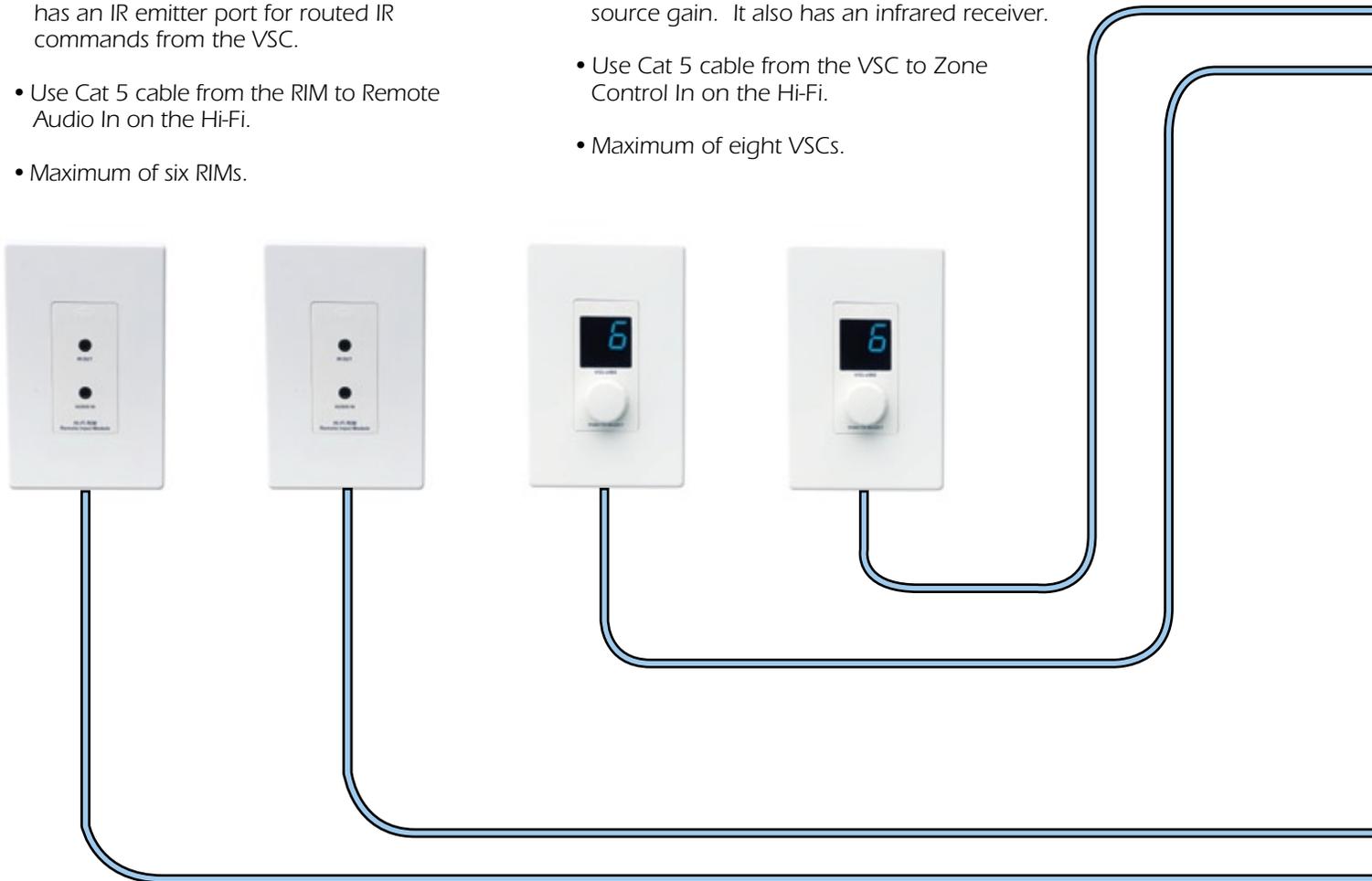
One 62A07-1 Power Supply is used to power Zones 1-4. A second 62A07-1 Power Supply is used to power Zones 5-8.

POWER SUPPLY
HAI Part Number: 62A07-1
Universal Power Supply for Hi-Fi
For Zones 5-8
(Supplied with Hi-Fi Expansion Kit)

Connect to HAI controller to select zone and source, and control volume and power from an OmniTouch Touchscreen or via controller program.
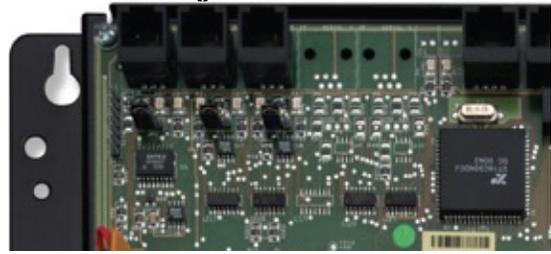
HAI CONTROLLER (OPTIONAL)

TO SERIAL PORT ON
HAI CONTROLLER

Hi-Fi has 2 variable outputs (Zone 1 and Zone 8) that allow you to deliver more power to the zone speakers through an optional power amplifier.
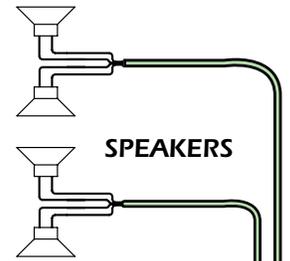
SPEAKERS
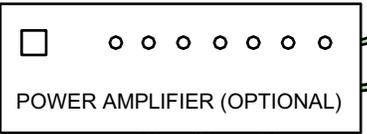
POWER AMPLIFIER (OPTIONAL)

Hi Fi by HAI
MODEL 62A00
AUDIO DISTRIBUTION SYSTEM
www.homeauto.com
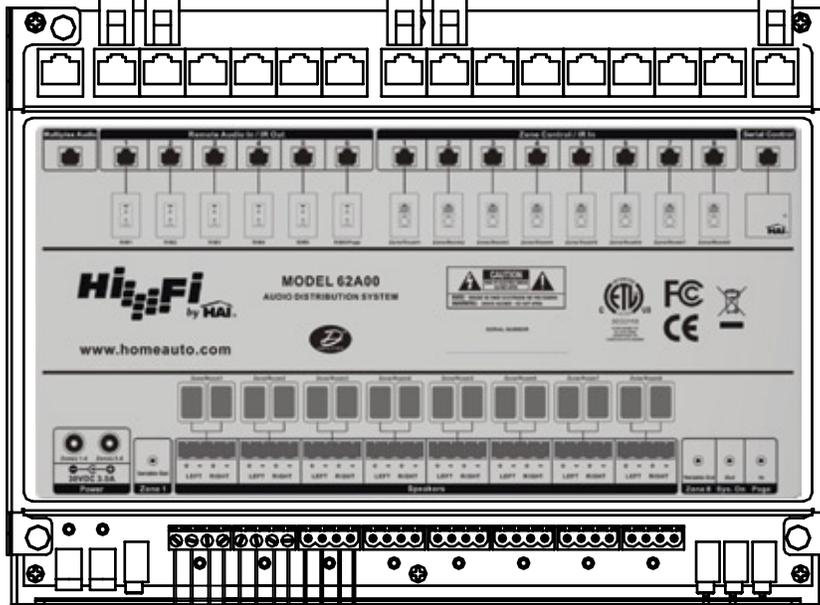
Use 16 gauge speaker wire (4 conductor stranded is suggested for neat installation)
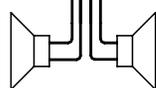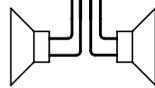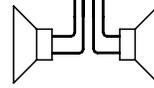
SPEAKERS   **SPEAKERS**   **SPEAKERS**

The palm-sized basic remote is backlit with cool blue LED lights.

Turn Hi-Fi on or off, mute a zone, select the source you would like to listen to, and adjust the volume.

Remote Control   62A05-1

Remote Control for volume and source selection. One included in 62A00-1 and 62A00-2.

62A05-1

8 72257 00305 5

Features the same functionality as a standard programmable remote control, such as channel up/down, volume up/down, pause/play, etc. Controls source equipment such as iPods™, receivers, or DVD players.

Turn Hi-Fi on or off, mute a zone, select the source you would like to listen to, and adjust the volume.

Programmable Remote Control   62A06-1

Remote Control for volume and source selection with programmable source control functions.

62A06-1

8 72257 00306 2

The 8 buttons at the bottom of the remote are for macros. Macros can be used to control home theater operations, set a favorite channel, adjust lighting, or for other multiple functions you would like to control with one key press.

62A03-1

8 72257 00303 1

Volume–Source Control (VSC) 62A03-1

White rotary volume control with push source selection and IR receiver. Includes White Wallplate. Almond, Black, and Ivory colors are available through VSC Color Change Kits on page 94.

62A04-1

8 72257 00304 8

Remote Input Module (RIM) 62A04-1

White Remote Audio Input/IR output module. Includes White Wallplate. Almond, Black, and Ivory colors are available through RIM Color Change Kits on page 94.

62A13-1

8 72257 00010 8

Hi-Fi by HAI Retractable Cable 62A13-1

3.5 mm 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's RIM.

62A01-1

8 72257 00301 7

Hi-Fi by HAI 4 Zone, 4 Source
Main Board Assembly   62A01-1

Hi-Fi Main Board Assembly with 4 installed Zone Amplifier Cards.

62A02-1

8 72257 00302 4

Zone Amplifier Card (ZAC)   62A02-1

Zone Amplifier Card for 1 stereo zone, instructions.

62A14-1

8 72257 00359 8

Hi-Fi by HAI Retractable Cable   62A14-1

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

20A07-2

Universal Mounting Plate   **20A07-2**

Mounting plate, hardware kit & instructions. Used to mount Hi-Fi Main Board Assembly in Leviton, OnQ/ Legrand, and "open house" type structured wiring enclosures.

8 72257 00032 0

62A09-1

Vented Enclosure   **62A09-1**

Enclosure for Hi-Fi with vents, door latch mounting plate, hardware kit and instructions.

8 72257 00309 3

62A07-1

Power Supply   **62A07-1**

Universal Power Supply for Hi-Fi zones 1 to 4 or 5 to 8.

8 72257 00307 9

62A08-1

IR Flasher   **62A08-1**

IR flasher (emitter) with 6 foot cord. Connects to Remote Input Module's routed IR emitter jack to allow use of source equipment remote in any room that has a Volume-Source Control.

8 72257 00308 6

VSC Color Change Kits

Case of 12

Almond	62A11-1ALCS
Black	62A11-1BLCS
Ivory	62A11-1IVCS
White	62A11-1WHCS

Almond

8 72257 00311 6

Ivory

8 72257 00315 4

Black

8 72257 00313 0

White

8 72257 00317 8

RIM Color Change Kits

Case of 12

Almond	62A10-1ALCS
Black	62A10-1BLCS
Ivory	62A10-1IVCS
White	62A10-1WHCS

Almond

8 72257 00319 2

Ivory

8 72257 00323 9

Black

8 72257 00321 5

White

8 72257 00325 3

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

Touchscreens

The easy-to-use OmniTouch Touchscreens allow control of security, temperatures, lighting, audio, entertainment, surveillance video, ventilation, irrigation, and much more. There are many sizes, colors, and wired or wireless versions available.

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 computer in the world.

Televisions

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

Cell Phones

HAI's software turns your BlackBerry™, iPhone™, Smartphone or PDA into a remote control for your house! View surveillance video or adjust the temperature before returning home from work.

Telephones

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

Remote Controls

HAI integrates with Philips Pronto remote controls for true two-way communication, allowing homeowners to see the exact lighting or audio level go up or down as it's adjusted.

Additionally, HAI offers remote controls for HAI Lighting Control and Hi-Fi by HAI, which can also be pointed at an OmniTouch 5.7 or 5.7e Touchscreen.

Additional Interfaces

A standard-looking security keypad that does so much more!

Wireless interfaces and Access Control interfaces are also available.

The OmniTouch Portable is a customizable Touchscreen that's loaded with new features!

HAI's OmniTouch Portable Touchscreens have all of the home control capabilities; security, lighting, temperature, and audio control. They also control your media and allow viewing of IP surveillance video.

Select which media you want to play from your HAI Touchscreen. View album art and other meta-data. The OmniTouch Portable also adds Internet access.

The OmniTouch Portable Touchscreen allows the user to choose between customizable themes, change the background color, and use personal photos for a digital photo frame!

The OmniTouch Portable and OmniTouch 5.7e are IP based and feature HAI's OmniTouch Pro operating system which allows for customization.

HAI will offer a drag-and-drop style editing program, OmniTouch Edit, for complete customization of the touchscreen. This unique customization allows for foreign language support.

Search for delicious recipes on the Internet from your kitchen.

View the front door and let a visitor inside, from the comfort of your sofa.
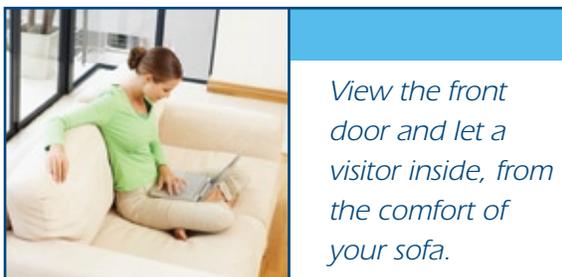
OmniTouch Portable 8   67A00-1

This table top version of the OmniTouch Touchscreen comes with built-in Wi-Fi for Internet browsing. Available in Black. Docking cradle with charging capabilities available below.

67A00-1

- Browse media including photos, movies, and view album art via HAI's Music Gateway
- Direct access to supported IP cameras
- Internet capable
- Controls all HAI functions
- Comes pre-loaded with default setup and icons. Can be minimally customized by homeowner without programming
- Coming in 2009: Dealer customizable using OmniTouch Edit software
- 8.4" TFT Active Matrix LCD at 800 x 600 SVGA resolution; Integrated Touchscreen display with soft keyboard support
- Includes removable protective rubber bumpers for ruggedness
- Compatible with all HAI Ethernet enabled controllers
- Requires Wi-Fi router

8 72257 00429 8

67A01-1

8 72257 00431 1

Docking Cradle for
OmniTouch Portable 8   67A01-1

Black table top display for OmniTouch Portables. Docking Cradle has charging capabilities and includes a USB and an Ethernet port. (OmniTouch Portable shown but not included). For use with OmniTouch Portable 8.

Dealers: In 2009, HAI will introduce OmniTouch Edit software, which allows total customization of the OmniTouch Portable 8 and the OmniTouch 5.7e.

An HAI *HAI OmniTouch 5.7* Touchscreen Can Control:

Security

Easily adjust security functions with one touch.

Arm, Disarm, set to Vacation or Away.

View an event log to see who accessed the security system and at what time.

(Omni family controllers only).

Energy Management

View indoor and outdoor temperatures and humidity.

Adjust the heating or cooling within a room or whole house.

View humidor or wine cellar temperatures and monitor water temperature sensors.

Lighting Control

Adjust the lighting in any room.

Easily dim, set up timing sequences, or turn all lights on/off by switch, by room, or by house.

Multi-Room Audio

Control Hi-Fi by HAI or an audio system from one of HAI's Connectivity Partners.

Emulates the NuVo, Russound, SpeakerCraft, Proficient, and Xantech audio keypads for a clutter-free appearance with full functionality. (See HAI Connectivity Partners for exact models).

An HAI *OmniTouch* 5.7 Touchscreen Can Control:

Status

One touch gives you the status of the home's security, temperatures, lighting, and energy usage.

Surveillance Video

View full screen video feed from cameras directed at the front door, pool, nursery, etc.

Additionally, you may press the camera selection button to release a door strike and let your visitor inside!

Buttons

Buttons are a way to quickly initiate a chain of commands, or to initiate a function that is not already assigned an icon.

Have a "Water Lawn" button to turn on the sprinkler system.

Or have a "Romantic Evening" button to drop the shades, turn on the whole home audio system, dim the lights, and activate other features controlled by an HAI home control system.

NEW

53A00-2

OmniTouch 5.7e   53A00-2

- Unique interface, similar to OmniTouch Portable Touchscreen.
- Single Ethernet connection for all communication as well as power using Power-Over-Ethernet (POE) technology.
- Browse your media, view album art and meta-data via HAI's Music Gateway.
- Coming in 2009: Complete customization available using HAI's OmniTouch Edit software.
- Direct access to supported IP cameras.
.
- Includes White faceplate, Color Change Kit available on page 102.
- Compatible with all HAI Ethernet enabled controllers.
- Full VGA (640x480 Resolution) for vibrant icons and crisp text.
- Updates via USB or Ethernet port.

8 72257 00362 8

53A00-1

OmniTouch 5.7   53A00-1
Spanish OmniTouch 5.7   53A00-5

The award-winning OmniTouch 5.7 is a colorful "plug and play" Touchscreen with large icons to control lights and small appliances, monitor and adjust security and temperatures, pool and spa temperatures, ventilation, decorative lighting, Multi-Room Audio systems, surveillance video, and other items under the control of an HAI Home Control system.

- Large 5.7" LCD display using TFT technology for rich colors and improved viewing angles.
- Displays full screen video. (Touchscreen Hub and Video Encoder necessary for video).
- A built-in USB connector allows you to update to the newest version of firmware at any time easily and for free!.
- Includes White faceplate, Color Change Kit available on page 102.
- Compatible with all HAI controllers.

53A00-1

8 72257 00361 1

53A00-5

8 72257 00441 0

**Use this chart when directly connecting an
OmniTouch 5.7 to an HAI home control system.**

MAXIMUM CABLE LENGTH BASED ON WIRE GAUGE/TYPE		
Wire Gauge	**Num. of positive & ground conductors**	**Maximum 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

Chart uses solid wiring. If using stranded wire, deduct distance by 5%.

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

MAXIMUM CABLE LENGTH WITH TOUCHSCREEN HUB	
Wire Gauge	**Maximum Cable Length (feet)**
24	800

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 2 Hubs
Lumina	7	3-7
Lumina Pro	15	3-8; 9-15 requires 2 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.*

53A17-1

8 72257 00435 9

Table Top Stand **53A17-1**

Table Top Stand for OmniTouch 5.7 and OmniTouch 5.7e. This elegant and convenient stand is perfect for bedside tables and countertops where the functionality from an OmniTouch 5.7 or OmniTouch 5.7e Touchscreen is desired.

The Table Top Stand is made of durable acrylic and is 7 1/4" W x 6" H x 5 ¾" D. It is available in Black. OmniTouch 5.7 shown, but sold separately.

COLOR CHANGE KITS

Match the style of any room!

Almond

8 72257 00379 6

Black

8 72257 00376 5

Ivory

8 72257 00378 9

Light Almond

8 72257 00398 7

Silver

8 72257 00399 4

White

8 72257 00377 2

OmniTouch 5.7 & OmniTouch 5.7e

Almond	53A05-AL
Black	53A05-BL
Ivory	53A05-IV
Light Almond	53A05-LTA
Silver	53A05-SL
White	53A05-WH

OmniTouch 5.7 Touchscreen Accessories

These products are engineered for the OmniTouch 5.7 Touchscreen only.

32A30-3

Touchscreen Hub, **32A30-3**
No Video, Enclosure
Includes Touchscreen Hub in enclosure, power supply, instructions.

32A30-4

Touchscreen Hub, No Video, **32A30-4**
for Structured Wiring Enclosures
Includes Touchscreen Hub on Universal Mounting Plate, power supply, instructions.

32A31-2

Touchscreen Hub
Board Only **32A31-2**

106080

Touchscreen Hub Replacement **106080**
Power Supply
Switching power supply brick for use with Touchscreen Hub.

HAI Software

HAI offers several different software products to access, control, or program your Omni or Lumina home control system.

HAI SOFTWARE COMPARISON CHART						
	HAI Home Control	**Snap-Link**	**Snap-Link Mobile**	**PC Access**	**Web-Link II**	**WL3**
Part Numbers	1109	1120	1120M	1105W, 1106W, 1111, 1105WSP	1108	1112
Access via Internet	Remote Desktop	Yes	Yes	Yes	Yes	Yes
Dedicated Computer On-site	Yes****	No****	No	No****	Yes****	Yes****
Client Software	Application	No (runs on client)*	No (runs on client)*	Yes (installed on client)	No (uses Standard web browser)	No (uses standard web browser)
Installation Components	No	No installation (Plug and Go)*	Application	Application	Web server and application	Application
Subscription Fee	No	No	No	No	No	No
Video Surveillance	Yes	Link to installed IP Web Camera	Link to installed IP Web Camera	No	Yes	Yes
Video Recording	Yes	No	No	No	Yes	Yes
Notifications	Pop-up notifications, audible, and visual	E-mail, messaging, pop-up notifications, visual	Optional pop-up notifications, audible, and visual	No	E-mail, messaging, and visual	E-mail, messaging, and visual
User Interface	Televisions with remote control	PC application	Windows® Mobile Application	PC application	Web Browser	Web Browser
Additional Interfaces Supported	Additional television/ monitors using Media Center Extenders	Ultra Mobile PC	Windows® Mobile based PDA's, Smartphone	None	iPhones™, BlackBerry™, PDA's, Smartphones, Web Tablets, and Touchscreens	iPhones™, BlackBerry™, PDA's, Smartphones, Web Tablets, and Touchscreens
Configure System	No	No	No	Yes	No	No
Program System	No	No	No	Yes	No	No
Create Rules/Alerts	Yes	Yes	No	No	Yes	Yes
Selectable Skins or Themes	No	Yes	No	No	Yes	Yes
Web Updates	Yes	Yes	Yes	Yes	Yes	Yes
RSS (Real Simple Syndication)**	No	No	No	No	Yes	Yes
Operating Systems	Windows® XP Media Center Edition software, Windows® Vista Home Premium	Windows® ME and higher	Windows® Mobile 5.0 and higher and .NET Compact Framework 2.0	Windows® 98E & higher, Windows® Vista Ultimate, Windows® Vista Home Premium	Windows® XP Professional, Windows® 2000, Windows® Server 2003, & Windows® Vista***	Windows® Home Server

    *   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 3 simultaneous sessions.

NEW

WL3 for Windows® Home Server   1112

1112

8 72257 00454 0

WL3
For Windows® Home Server

WL3 *for Windows® Home Server* is an Add-in for a Windows® Home Server that allows you to monitor and control your HAI home control system from any device with a web browser, including the iPhone™ 2.0, iPod™ Touch™, BlackBerry™, Smartphone, computer, PDA, etc.

The Windows® Home Server is a central server that stores, organizes, protects, and allows you to share all of your digital photos, music, video, and documents, while running quietly in the background.

WL3 allows you to change your home's temperatures, adjust the lights or security settings, or view any supported camera securely and easily.

WL3 automatically configures supported UPnP IP cameras on your home network and allows you to manually configure other IP cameras on your network or cameras that reside anywhere on the Internet. It also allows you to view cameras in 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 MPEG4 cameras should function properly. Setup is simple. WL3 will automatically discover the supported UPnP IP cameras and automatically configure them. Other cameras can be added by simply configuring the IP address, username, and password.

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.

WL3 can be accessed via a web browser, allowing for functionality on many interfaces.

Change the temperature from your BlackBerry™

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

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

WL3
For Windows® Home Server

WL3 for Windows® Home Server can record video based on an event and/or send e-mails or text messages to inform you when an event has taken place. Recorded videos and snapshots are categorized and can be viewed anytime you log into WL3, locally or via the Internet.

The video can be played at normal speed or accelerated. There is even an option to step through each frame of the recorded video.

When the WL3 for Windows® Home Server Add-in is installed, it is continually monitoring your home. It can inform you of events such as the alarm system being disarmed or activated, a car entering the garage/driveway, or even if the wine cellar door or pool gate has been opened.

WL3 for Windows® Home Server is customizable and allows you to change the user interface by applying different graphic and color schemes. You can also add RSS feeds for custom data, such as weather forecasts, sports scores, news, personal blogs, and much more to your WL3 Home Page.

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

HAI SNAP LINK

Can Control:

Security

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).

Energy Management

Conserve energy while maintaining the comfort level within your home. Adjust heating and cooling by zone.

View humidity and outdoor temperatures. Adjust the temperature in your home before leaving work.

Lighting Control

Conveniently check and adjust your home's lighting scenes.

Dim lights, set timers, control individual lights, or turn all lights on/off by room or by house.

Multi-Room Audio

Select music source and adjust volume levels in individual rooms or whole house.

Control Hi-Fi by HAI or an audio system from one of HAI's Connectivity Partners.

HAI SNAP LINK
Can Control:

Convenient

Plug the USB drive into any computer and Snap-Link becomes available.

There is no installation of the program, and when you are finished, unplug the drive, leaving no residue of your home's information behind.

Surveillance Video

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.

Wireless Options

Snap-Link has an "OmniTouch" theme that emulates the look of an OmniTouch Touchscreen. Plug HAI's Snap-Link into a handheld device, such as an Ultra Mobile PC, and have Touchscreen access on a fully functioning PC that may be carried around the house. It places wireless home control in the palm of your hand!

Keep Snap-Link on your keychain and have access to your home whenever and wherever!

Alerts & Notifications

Snap-Link automatically sends alerts via e-mail, cell phone, or pager, based upon specified events.

Example: Brenda gets home from school and enters her user code into the HAI Omni family home control system to disable the security system. Accordingly, an e-mail is automatically sent to her mother's work e-mail address informing her that her daughter is home.

HAI SNAP LINK

1120

Snap-Link

1120
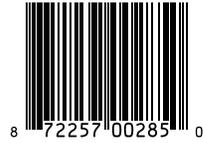
HAI's multi-award winning Snap-Link can quickly adjust and check lights, temperature, audio and security settings on the go! Just plug Snap-Link into any computer and it directly communicates through the Internet to the secure Ethernet port on your HAI system at home. No on-site computer is needed.

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.

It uses 128 bit encryption, which makes it vastly safer than other products that use web pages over non-encrypted connections.

Snap-Link is sold WITHOUT any 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 controller, including OmniPro II, Omni IIe, Lumina Pro, and Lumina.

Snap-Link controls multi-room audio systems by HAI, NuVo, Proficient, Russound, SpeakerCraft and Xantech. Snap-Link also has the ability to be plugged into an Ultra Mobile PC to be used as a wireless Touchscreen!

Foreign language versions of Snap-Link coming soon!

Snap-Link Mobile 1120M

1120M

Snap-Link Mobile allows you to monitor and control lights, security, audio, temperatures, and webcams on handheld mobile devices, such as PDAs, Smartphones, or other devices running Windows® Mobile operating software.

Snap-Link Mobile puts control of all home functions in the palm of your hand! Simply click on the HAI logo that appears on your phone/PDA and you have instant access to your Snap-Link home control page. From there you can:

- 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.

Snap-Link Mobile is designed specifically for a mobile device with a Touchscreen, navigation key, or scroll wheel. It tunnels directly into the HAI home control system through a secure AES encrypted connection. Requires an HAI Omni IIe, OmniPro II, Lumina, or Lumina Pro home control system installed in the home.

Snap-Link Mobile is sold without subscription fees and users receive updates for free. Snap-Link does not rely on any third parties to work other than cellular service. There is no set-up for Snap-Link Mobile other than the initial installation.

HAI's Snap-Link Mobile is downloaded directly into a mobile device. It features secure encrypted communications over Wi-Fi or cellular data networks.

Pronto Link For Philips

1125

Pronto Link is a **free download** from the ProntoScript for Philips Certified Installers portion of the Philips Pronto website, *www.pronto.philips.com/prontoscript.*

HAI's Pronto Link allows Philips TSU9800, TSU9600 and TSU9400 Pronto remote to control HAI Omni and Lumina family automation systems, as well as standard home theater components.

Use a single remote to control the home theater; adjust lights, temperatures, and security settings; control Multi-Room Audio systems, such as Hi-Fi by HAI.

Installers can easily merge the HAI functionality into a standard Pronto project, as HAI is pre-programmed into the Pronto Script integration module.

A unique feature regarding the HAI and Philips connectivity is the Pronto remotes feature two-way communication with the HAI home control system. This communication allows you to not only adjust the temperature but view the exact degree as it's being adjusted. As you dim or brighten lights in a room, the Pronto can display exact lighting percentages. You can also watch the volume levels change as you adjust the whole home audio system.

HAI has created a demo file for each Pronto to show how Pronto Link works, even if you do not have an HAI controller. All features of Pronto Link are demonstrated by simulating being connected to an HAI OmniPro II controller and a Hi-Fi by HAI multi-room audio system.

Requires an HAI controller with an Ethernet port that has firmware 2.16 or higher. Requires Philips ProntoScript Pro v. 1.1.20 or later.

Pronto Link is a free download for Philips certified installers.

Available in English, Hebrew, Russian, and Chinese. New versions coming soon: Latin American Spanish, Canadian French, European French, Italian, German, Turkish, Arabic, and Dutch.

PHILIPS

TSU9800

TSU9400

TSU9600

PC ACCESS

It's even easier to program an HAI system with the redesigned PC Access!

NEW VERSION
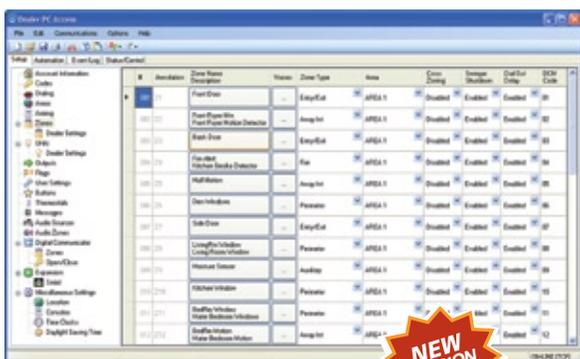
Dealer PC Access	**1105W**
Spanish Dealer PC Access	**1105WSP**
End User PC Access	**1106W**
Lumina PC Access	**1111**

1105W

8 72257 00008 5

1106W

8 72257 00009 2

1105WSP

8 72257 00383 3

1111

8 72257 00328 4

PC Access Software

PC Access allows the user to set up, program, and monitor 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. Registered users receive free updates.

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

Auto-completion feature allows proficient programmers to type the first few letters of a program line. PCAccess jumps to the command, speeding the process.

Completely redesigned with a contemporary look and feel.

New Features Include:
- Enhanced automation programming:
  - ability to save programs to disk for reuse
  - ability to add comments to programs
  - simplified program editing
  - search and replace
  - support for enhanced programming with multiple triggers, conditions and commands in a single statement
- Integrated help and documentation
- Account summary page
- Fewer mouse clicks and keystrokes
- Easy tree-based navigation
- Simplified set up where all names and related properties of an object can be edited on a single page
- 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

1109 | Home Control for Windows® Media Center

home control ®
for Windows® Media Center
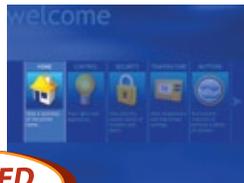
ENHANCED
FOR VISTA

1109

8 72257 00165 5

Changing lighting, temperature and security
is as easy as changing channels!

HAI's award-winning Home Control for Windows® Media Center is software that runs on a Windows® Media Center computer for controlling lighting, temperatures, security, and audio on a television using a single Media Center remote control.

A Windows® Media Center is an integrated digital entertainment center. It can play, pause and record live TV, play DVDs, store digital music, videos & photos, browse the Internet, check e-mail and run Windows® applications.

HAI's Home Control coordinates security, temperature, lighting, and audio for comfort, convenience and safety. Together, you get incredible performance at a very reasonable price. Registered users receive free updates.

1108 | Web-Link II

HAI Web-Link® II

ENHANCED
FOR VISTA

1108

8 72257 00010 8

HAI's multi-award winning Web-Link II software allows access and control of your HAI system over the Internet. Check and adjust the temperature, lights, security, and audio via a PC, PDA, or web-enabled phone. Web-Link II offers video surveillance and recording over the Internet, wireless access, and the ability to receive e-mail or text messages based on programmed events. Web-Link II is capable of recording video based on alarm or event. The program runs on your home server or PC. Whether you're at the office or on vacation, your home is only a click away! Registered users receive free updates.

1110 | HAI Software Combo

1110

8 72257 00286 7

ENHANCED
FOR VISTA

Web-Link II and Home Control for Windows® Media Center software bundled together.

33A00-1

8 72257 00065 8

33A00-1CS

8 72257 00113 6

Omni Console   **33A00-1**
Case of 12   **33A00-1CS**
Cool blue LCD surface mount console, silk screened front, connector kit, instructions *(Omni family only)*.

33A00-4

8 72257 00164 8

Omni Console with
Built-in Speaker/Microphone   **33A00-4**
The microphone may be used to listen inside your home while on-site or remotely via telephone. The speaker may be used to broadcast messages based upon system programming or be used to communicate with someone inside the house. Requires Two-Way Voice Module, HAI part number 10A11-1. See special wiring instructions on page 32. *(Omni family only)*.

33A00-19

8 72257 00244 7

Lumina Keypad   **33A00-19**
Allows set up, programming and control of the Lumina and Lumina Pro system. LCD surface mount keypad, silk screened front, connector kit, instructions. *(Lumina family only)*.

33A00-20

8 72257 00245 4

Lumina Keypad with
Built-in Speaker/Microphone   **33A00-20**
LCD surface mount keypad with built-in speaker/ microphone, silk screen front, connector kit, instructions. 10A11-1 Two-Way Voice Module required. See special wiring instructions on page 32. *(Lumina family only)*.

Access Control Interface Options available on page 50

Wireless Interface Options available on page 39

console not included

33A00-3

8 72257 00066 5

Flush Mount Kit   33A00-3
White, Flush Mount Backbox for use with 33A00-1, 33A00-4, 33A00-19, or 33A00-20 consoles or keypads (not included), mounting bracket, instructions.

38A00-3

8 72257 00282 9

Lumina Mode Switch   38A00-3
This 6 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 on page 79. See diagram on page 57. (Grey bezel shown. Uses standard Decora-style Wallplate. Wallplate not included). *(Lumina family only).*

44A01-1

8 72257 00284 3

Telephone Access Kit   44A01-1
RJ-31X jack and cord. 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).*

HAI takes great pride in the compatibility of our products.

HAI has developed, and continues to develop, relationships with other manufacturers in the industry to integrate our products with theirs. Doing so allows flexibility for the homeowner to add and upgrade products as desired.

Supported Protocols

Zigbee, Z-Wave, UPB, X-10, RS-232, RS-485, TCP/IP, ASCII

Please visit our website at **http://www.homeauto.com/partners** for updated and detailed information on HAI Connectivity Partners, including specific models.

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

CONNECTIVITY PARTNER CATEGORIES	
Audio/Video	AMX Crestron Elan InfuseboX Mobile Technology NetStreams Philips
Central Vacuum	MD Manufacturing Central Vacuums
Handheld Remote	Philips
Irrigation Systems	WGL & Associates
Lighting	CentraLite Electronic Design Technologies (EDT) Leviton Lightolier Controls LiteTouch Lutron PCS PLLC Smarthome Mfg
Remote Access	Connected Hearth
Security (Lumina Only)	DSC
Software	Autonomic Controls HomeLogic Omnipotence Software
Structured Wiring	Future Smart Home Director Leviton OnQ/Legrand
System Integration Software	D-Tools
Touchscreens	Convergent Living Hometouch Pelham Sloane Samsung
Whole Home Audio	NuVo Proficient Audio Systems Russound SpeakerCraft Xantech
Window Coverings	SOMFY

HAI's Blog has the most up to date information on products, trainings, and more:
http://blog.homeauto.com

HAI has video demonstrations available on our YouTube Channel:
http://www.youtube.com/HomeAutomationInc

Dealers and Distributors have access to specialized Support Websites and Forums:
http://www.homeauto.com/login   http://forum.homeauto.com

Get Connected with other dealers and HAI enthusiasts on HAI's Facebook fanpage:
http://www.facebook.com/pages/Home-Automation-Inc/6647392204

Get news directly to your mailbox! Sign up for HAI's Update List:
http://www.homeauto.com/update

HAI's Facebook Fanpage

HAI's YouTube Channel

Send HAI video or pictures of your home or a home you've installed, and we may feature you on one of our websites!

HAI has created a Developer Support program for software developers who wish to create software that works with HAI products.

To join the Developer Support program, you must fill out an application and get it approved 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 has access to the following:

FREE SDK!

- 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
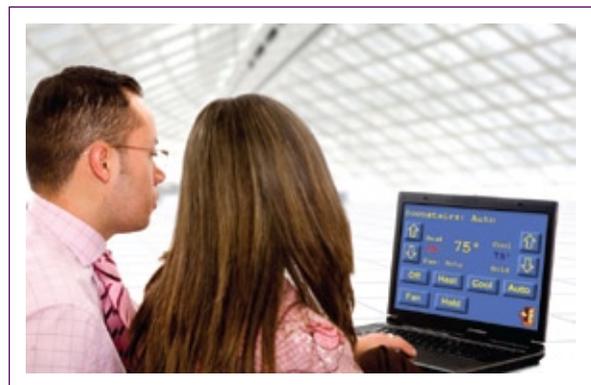
Sell more homes and set yourself apart from the competition by offering home technology from the premier manufacturer of home control systems.

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

K. Eckhaus, Builder
Las Vegas, NV

HAI BUILDER PARTNER · PROGRAM

- **LEED Points**
- **Model Home Product Rebates**
- **Free Product Literature**
- **Model Home Support Kit**
- **CSI Format Architectural Specifications**

- **CEA TechHome Rating System**
- **Yard Signs**
- **Customizable Volume Packages Available**
- **International Network of Trained Dealers/Installers**
- **Training Available for Builder's Preferred Installers**
- **Visio Stencils**

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?**

To download a copy of the TechHome Rating System, please visit *http://www.techhome.com/resources.html* or download it from HAI's website.

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.

To get more information on LEED rated homes and HAI, visit HAI's website.

Benefits of Being a Listed Dealer

There are many reasons to become an HAI listed dealer. Some of the benefits include:

- **Homeowners Can Find You.** Consumers considering home automation visit the HAI website and find their dealer through HAI's dealer lookup pages.
- **Sales Leads.** HAI provides listed dealers with sales leads generated through HAI's marketing and sales efforts.
- **Broader Access to Knowledge Base.** HAI provides listed dealers with access to more Knowledge Base articles than the general public.
- **Marketing Assistance.** Download and use HAI's logos and high-quality images of HAI's products in your marketing and sales efforts. Listed Dealers may download editable versions of HAI's brochures to customize their marketing message.
- **Early Access to Information.** Be first to get information about HAI's products when they are released. Receive monthly Dealer Newsletters.
- **Model Homes.** Listed dealers can get their Model Homes placed on HAI's website for free.
- **Forum Support.** Connect with other dealers and get your questions answered.

How Do I Become an HAI Listed Dealer?

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

- Attend at least one HAI Training class.
- Complete the installation of at least three HAI systems.
- Agree to strictly adhere to all technical standards as instructed in the HAI Training class.

- Commit to providing professional excellence and customer service in the installation of all HAI products.

After completing these requirements, fill out 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 will then start enjoying the benefits of being a 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. Moreover, these dealers receive a wall plaque showing their Five-Star Dealer status to the customers that visit their office.

Every Dealer that wants to be considered for Five Star status submits an annual application, including those that were previously awarded this designation. You must be an HAI Listed Dealer to be eligible for Five Star Dealer consideration.

Dealer and Distributor Websites

HAI maintains separate Dealer Support and Distributor Support websites that share common offerings. Login to these areas requires a valid user ID and password.

Dealers that have not applied or have not met the requirements to be an HAI Listed Dealer can login into the Dealer Support website as a Guest. Guest Dealers have limited access on the Dealer Support website.

Downloads

You may download all product materials, including owners manuals, installation manuals (not available 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.

Marketing Materials

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

- Builder Brochure
- Energy Management Brochure
- HAI Home Control for Windows® Media Center Brochure
- HAI Lighting Control Brochure
- HAI Product Guide
- Hi-Fi by HAI Brochure
- Interface Options Brochure
- Lumina Family Brochure
- Omni Family Brochure
- Philips Brochure
- What is Home Automation Sheet

Listed Dealers and Distributors can download editable copies of the brochures so that they can place their contact information on them and print them locally.

Listed Dealers and Distributors have access to high-resolution versions of HAI's logos and product photos to use with their marketing, including on their website.

HAI also offers for FREE the Automation Simplified® Training & Marketing Materials CD. It has all of HAI's marketing materials, Product Technical Sheets, manuals, Quick Start Guides, product demos, Application Directory, PowerPoint training presentations, and videos.

HAI provides flash commercials and demonstrations that may be downloaded and used on Dealer or Distributor websites, in sales presentations, or product demonstrations.

Moreover, HAI has created Product Technical Sheets for its products and an overview document called "Learning about Home Automation" that may be downloaded for free and printed by any Dealer or Distributor.

HAI has several sales videos available for viewing or for downloading to be used by a Dealer or Distributor.

Dealers can order the **Model Home Support Kit** (HAI part number SA-23) through regular distribution channels. It includes discreet wall displays to articulate the benefits of an HAI automated home. It includes a supply of HAI "What is Home Automation Sheets".

Dealers can order **HAI Yard Signs** (HAI part number SA-30) through the HAI Online Store (accessible through the Dealer Support Website only). The HAI Online Store carries repair and replacement parts, as well as HAI firmware upgrades.

The HAI yard signs are an excellent addition to an open house, a model home, or a showroom. The SA-30 package includes 2 signs with posts.

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

HAI's Knowledge Base (http://kb.homeauto.com) is composed of documents that have been formulated by HAI's Technical Support team. The Knowledge Base is available for 24/7 support.

HAI Listed Dealers and Distributors have a link on their respective Support Websites that provide greater access than the public receives in HAI's Knowledge Base.

HAI's Forums allow the open sharing of ideas, applications, and setups.

Training

HAI provides online training classes that may be viewed at a convenient time by a Dealer or Distributor. HAI offers Dealer and Distributor only Webinars.

Sales Leads

HAI provides Listed Dealers and Distributors with sales leads in their area.

Programming Interfaces for HAI Products

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 protocol supports both serial and Ethernet applications utilizing a TCP/IP protocol.

For applications that communicate with an Ethernet port, Dealers or Distributors may download an API Kit.

The Application Directory is a valuable manual that contains a host of applications and programs for PC Access. It also contains helpful information on troubleshooting and programming conventions.

HAI Classes are Intended for Professional Installing Dealers & Building Contractors.

HAI offers free classroom training, Factory Training, and training videos to train installers how to sell, use, and install HAI products.

HAI has training partners that offer a variety of classes on the technology needed to automate your home or business.

Free Classroom Training

HAI offers FREE classroom training that may be directly sponsored by HAI or by an HAI Wholesale Distribution Partner. Classes sponsored by HAI Wholesale Distribution Partners are called VIP Workshops.

All HAI classes have the benefit of an HAI employee teaching the class and answering your questions.

The following classes are offered for free:
- Access Control
- Automation Simplified
- Designing a Home Automation System
- Energy Management
- HAI Application Programming
- HAI Installation Training
- HAI New Products
- Hi-Fi by HAI
- Increase Your Profits with Home Automation
- Internet Home Control Made Easy
- Introduction to Home Automation
- Selling Home Automation
- Surveillance
- Whole House Lighting Control and Home Automation

Factory Training

Factory Training is a two-day event at HAI's headquarters, located in New Orleans, that has detailed installation and system programming instruction. Students work hands-on with a home control system and computer to learn how to install and set up an HAI system. There is a fee to attend this class. For more information, e-mail training@homeauto.com

Online Training

Training videos are available to Dealers and Distributors on the Dealer Support and Distributor Support websites.

Additionally, HAI regularly offers Webinars that provide the same training that is available in its free classroom training. To view upcoming Webinars or to view previously recorded Webinars please visit: *http://www.homeauto.com/webinar*

International Training

Check HAI's website for classes worldwide!

Some classes are eligible for credits, and many classes carry state approvals.

For more information on HAI's extensive training efforts, please visit
http://www.homeauto.com/training

Attend an HAI training session and receive a special rebate on the following Training Kit to get you started in the home automation industry.

The Training Kit includes everything that you will need to become familiar with HAI systems, including Dealer Software.

Rebates are only available to those who attend an HAI training session.

Promo8Training

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Promo8Training   Training Promo

Included in the Training Kit:

20A00-8	OmniPro II Controller for Structured Wiring Enclosures
1109	Home Control for Windows® Media Center
1112	WL3 for Windows® Home Server
1120	Snap-Link
1105W	Dealer PC Access
1120M	Snap-Link Mobile
33A00-4	Omni Console with Built-in Speaker/Microphone
35A00-1CS	600W UPB™ Dimmer Switch (Case of 12)
36A05-2	UPB™ Powerline Interface Module to Computer Cable
36A05-4	Serial Connectivity Cable
53A00-1	OmniTouch 5.7
62A00-2	Hi-Fi by HAI 4 Zone, 4 Source Kit for Structured Wiring Enclosures
RC-2000WH	Omnistat2 Multistage & Heat Pump with Humidity Control
10A11-1	Two-Way Voice Module
31A00-8	Outdoor Temp/Humidity Sensor

10A07-1	4 Relay Module
38A00-1	Scene Switch
38A15-WH	Table Top Scene Switch Cradle
38A14-1	Scene Switch Remote
45A00-1	64 Zone Wireless Receiver
58A00-1	Mini Contact
57A00-1	Vanishing Contact
56A00-1	Wireless Recessed Door Contact
46A00-1	Door/Window Transmitter
61A00-1	Glass Break
47A00-1	Quad Pet Immune Motion Detector
69A00-1	4 Button Wireless Keypad
48A00-1	4 Button Keyfob
50A00-1	Panic/Alert Pendant
71A00-1	HLC Load Control Module
75A00-1	Access Control Card Reader
78A00-1	Access Control Card Pack of 10
78A00-2	Access Control Key Tag Pack of 10

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

For professional installing dealers:

- Territory Sales Managers
- 800 Technical Support (800-229-7256 Option 1 or x400)
- Online Knowledge Base (*http://kb.homeauto.com*)
- Parts & Repair Department
- Warranties on all HAI products
- Dealer Forum

See HAI's website for additional support and service information.
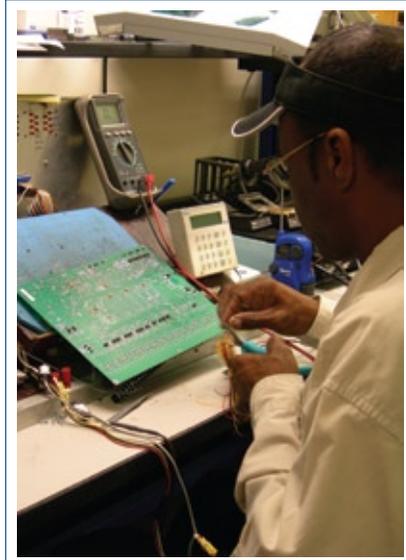
Reggie Smith, Test & Repair Technician, performing quality assurance testing.

HAI®

Technical Support
(800) 229-7256 ext. 400
support@homeauto.com

Ernie Sieber, Technical Support Supervisor, assists with testing of the Access Control Reader.

Product Support 24/7: Questions about a product or program? Get help anytime using HAI's Knowledge Base at *http://kb.homeauto.com*

WIRING REQUIREMENTS AND DISTANCES

Product Name	Part Number	Wire Type	Conductors	Max. Length	Twist	Shield
Consoles/Keypads	33A00-ALL*	22 AWG	4	1000**	No	No
OmniTouch 5.7	53A00-1	22 (2) AWG	4	724***	No	No
OmniTouch 5.7 with Touchscreen Hub	53A00-1	CAT-5 (patch)	8	800	n/a	n/a
Hi-Fi RIM	62A04-1	CAT-5 (patch)	8	500	n/a	n/a
Hi-Fi VSC	62A03-1	CAT-5 (patch)	8	250	n/a	n/a
Hi-Fi Speaker	n/a	16 AWG	4	TBD	n/a	n/a
Expansion	17A00-ALL	22 AWG	3	1000**	No	No
GE Wireless Receiver	42A00-1	22 AWG	4	1000**	No	No
HAI Wireless Receiver	45A00-1	22 AWG	4	1000**	No	No
Omnistat	RC-ALL except Omnistat-Z	22 AWG	4	10,000	No	No
ALC Interface	25A00-ALL	20 AWG	4	500****	Yes	No
Speaker	33A00-20, 33A00-4	18 AWG	2	50*****	Yes	No
Microphone	33A00-20, 33A00-4	24 AWG	2	100	Yes	Yes
Extended Range Indoor/ Outdoor Temperature Sensor	31A00-ALL	22 AWG	4	n/a	No	No
Remote Indoor Temperature Sensor	23A00-ALL	22 (5) AWG	2	250******	Yes	Yes
PESM	1101A	22 AWG	4	n/a	No	No
Water Temperature Sensor	14A00-8	22 AWG	3	n/a	No	No

*	*33A00-4 and 33A00-20 requires additional wiring for speaker/microphone*
**	*1000 feet limit for entire AB Bus combined*
***	*Exact wire determined by distance and wire type - please refer to page 86*
****	*Wire limit per branch*
*****	*For distance up to 100 feet, use 16 AWG*
******	*Size of wire requirements based on insulation and distance*

Energy Management

Entertainment

Hi-Fi by HAI Products

Convenient Interfaces

Touchscreens & Accessories

HAI Software

Notes:

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How to Buy HAI Products

HAI's products are designed and intended for professional sale, installation, and service.

Your HAI dealer can discuss and advise you as to what options are best for you.

HOMEOWNERS

- Use HAI's website to search for HAI Listed Dealers
  (http://www.homeauto.com/HowtoBuy)

- Contact an HAI Dealer to get a quote for installation of an HAI system

BUILDERS

- Contact your HAI Sales Territory Manager, and ask about HAI's Builder Support Program *(http://www.homeauto.com/contact)*

Sign up for HAI's Update List to get e-mails about new products and other announcements! | *http://www.homeauto.com/update*
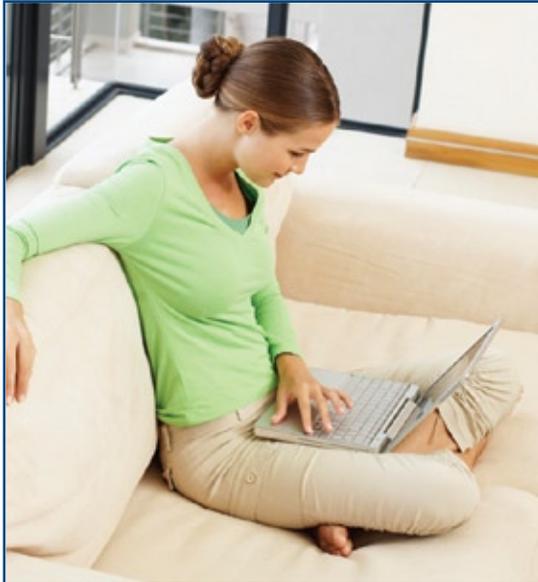
Safety

Energy Management

Entertainment

Convenient Interfaces

www.homeauto.com

HAI
since 1985