



Lumina Version 2.15 Firmware Release

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Description

The Lumina Version 2.15 firmware adds the following new features:

- Support for DSC Power Series security system integration
- Program command to blink UPB devices
- Program command set the light level of a lighting unit for a specified time
- Program command to allow temperatures to be adjusted up or down by a specified number of degrees
- Ability to display a message without the beeping or without beeping or flashing the LED
- Program command to beep consoles and touchscreens
- Program command to enable or disable the beeper on a console or touchscreen
- Ability to enable or disable console beeper locally at the console
- Support for the CentraLite StarLite lighting system

The Lumina Version 2.14 firmware adds the following new features:

- Support for Z-Wave technology
- OmniTouch and programming support for the HAI Hi-Fi Digital Whole Home Audio Distribution System

Note: Loading new firmware and screens into each OmniTouch touchscreen may be necessary to support new features in Version 2.14 Firmware. Ensure that each OmniTouch is running “Screens Version “7”. To check, press the “Setup” icon from the Home page. Next press the “Screen Setup” icon, followed by the “Next” button. The “Screens Version” should be displayed on the bottom left of the display. If the “Screens Version” is lower than “7” or if the text “Screens Version” is not displayed, use the Model 32A09-1 HAI OmniTouch Loader Kit utility to load new firmware and screens into the OmniTouch touchscreen.

*See www.homeauto.com for comprehensive list of firmware updates and descriptions.

About DSC integration

When Lumina is set up to communicate with the DSC panel, up to 32 of the Lumina zones are reserved to mimic those of the corresponding DSC security zones. Once Lumina is set up to communicate with the DSC panel, zones 17-48 are reserved to follow the actions of the DSC zones, unless an HAI wireless receiver is installed with your system. If an HAI wireless receiver is installed, only zones 17-32 are reserved for DSC zones.

The Lumina mode will also follow the arming state of the DSC panel. This allows for remote monitoring of the DSC security system via HAI Snap-Link, and also allows programming options when using Lumina modes. Please be aware that arming and/or disarming of the DSC system via the Lumina is not possible, however it is possible to arm and disarm the DSC panel via HAI Snap-Link.

About Modes

When the current state of the DSC panel is changed, the Lumina will change its “Mode” in order to reflect this change. The changed is based on the current mode of the Lumina and the state that the DSC panel changes to. Below is a table that illustrates how the Lumina mode changed based on a change in the DSC’s state.

Lumina Mode	DSC State			
	Disarm	Stay	Away	Night
Home	No Change	No Change	Away	Sleep
Away	Home	Home	No Change	Sleep
Sleep	No Change	No Change	Away	No Change
Vacation	Home	Home	No Change	Sleep
Special	No Change	No Change	No Change	No Change
Party	No Change	No Change	Away	Sleep

It should be noted that the state of the DSC panel will never change due to the Lumina mode changing. The Lumina will change based on changes in the DSC panel, but the DSC arming state will never change based on changes in the Lumina mode.

DSC Integration Setup

No setup is required to use this feature; however, adding programs to the Lumina can greatly enhance the automation of a home. The following programs give a few examples of the countless tasks that Lumina can accomplish to enhance a home when integrated with the DSC security panel.

The following program will turn on the foyer light when the front door is opened and if it is dark outside.

```
WHEN Front Door NOT READY &IF DARK: Foyer Light ON FOR 5 MINUTES
```

The following program will set a thermostat back to conserve power when no one is home.

```
WHEN SET AWAY: Thermostat 1 MODE AUTO  
WHEN SET AWAY: Thermostat 1 HEAT SETPOINT 60  
WHEN SET AWAY: Thermostat 1 COOL SETPOINT 80
```

For more examples of programming please visit our HAI Knowledge Base at <http://kb.homeauto.com>.

UPB Blink Command

Using HAI PC Access Software, you can create programs to blink any UPB device. If you are using HLC, you can not blink an HLC room (i.e. the 1st or 9th unit in an HLC house code); you can however blink all of the devices within the HLC room, individually.

When setting up the blink program, you will be asked to select one of four blink rates (0.25sec, 0.5sec, 1sec, or 2sec). When the program is executed, the unit will begin blinking either indefinitely or for a specified period of time. If timed, the unit will return to its previous state once the timer has expired.

Note: If a unit is currently timed (On for time, Dimmed for time, Brightened for time, or Off for time), when the blink program is executed, the unit will begin blinking and the previous timer is disabled.

This programming feature will simplify programming when attempting to have a unit blink for a certain event such as an alarm. For example:

When ANY ALARM: Hallway Light BLINK (1.00sec) FOR 5 MINUTES

Timed Level Command

Using HAI PC Access Software, you can create programs to set the light level for a specified time. For example, when the Front Door opens and it is dark outside, you can have the Foyer Light illuminate at 50% for 5 minutes with a single program line.

WHEN Front Door NOT READY &IF DARK: Foyer Light TO 50% FOR 5 MINUTES

At the end of the timer duration, the light will return to its previous state. For example if the light level of the Foyer Light was at 25% prior to the Front Door opening, the light level will return to 25% five minutes after the door opens.

Raise or Lower Temperature Command

Using HAI PC Access Software, you can create programs to raise or lower temperatures by a specified number of degrees (between 1-45 degrees Fahrenheit or 0.5 – 25.0 degrees Celsius). When using this command, specify either raise or lower the heat or cool temperature setpoint and number of degrees.

This feature will allow you to raise or lower the temperature from its current (comfortable) setting when you change the security mode (e.g. you leave the house) and have it return to that temperature when you return home.

WHEN AWAY: Downstairs RAISE COOL SETPOINT 5

WHEN OFF: Downstairs LOWER COOL SETPOINT 5

Display Message without Beeping / Without Beeping or Flashing the LED

Using HAI PC Access Software, when creating programs to display a message on a console or touchscreen, you can specify if the message will be displayed “With Beep” (the console will beep 5 times), “No Beep” (the console will not beep, but the LED will flash), or “No Beep or LED” (the message will be displayed on the console but the console will not beep or flash the LED).

When a message is displayed and “No Beep” is selected, the LED on the console will continue to flash until you acknowledge it by pressing “*” key. Furthermore, on a touchscreen, the message will be displayed in the center of the screen until you acknowledge it by pressing the “OK” button.

When a message is displayed and “No Beep or LED” is selected, the message will simply be displayed on the status line of the console or touchscreen; no audible or visual indication is given.

SUNSET M--T---: SHOW Trash Night NO BEEP OR LED

Beep Command

Using HAI PC Access Software, you can create programs to beep a console (or touchscreen) or all consoles (or touchscreens).

You can program the console(s) to beep once per second indefinitely, to turn off a previous “beeper on” command, or a single beep 1-5 times.

WHEN Pool Door NOT READY: ALL CONSOLES BEEP 5

Enable or Disable Beeper Programmatically

Using HAI PC Access Software, you can create programs to either enable or disable the console or touchscreen beeper; individually or all devices. When the beeper is disabled, no audible beeps are emitted from the device, except for alarm conditions. All other beeps (i.e. entry and perimeter chimes, error beeps, confirmation beeps, trouble beeps, etc.) will not be emitted from the respective console or touchscreen.

This may be used to disable the beeper in a bedroom at night.

WHEN NIGHT: CONSOLE 5 DISABLE BEEPS

WHEN OFF: CONSOLE 5 ENABLE BEEPS

Enable or Disable Console Beeper Locally at the Console

From the top-level display or from the main menu, press the “0” key on the console keypad.

CONSOLE BEEP :
0=OFF 1=ON

Press 0 to disable the beeper at the respective console. Press 1 to enable the beeper at the respective console.

Note: It is not possible to enable or disable the beeper locally at a touchscreen. To enable or disable the touchscreen beeper, you must create a program to do so or use commands from either PC Access or Snap-Link.

Support for CentraLite StarLite Lighting System

StarLite uses wireless, radio frequency technology and your home’s existing electrical wiring for its central lighting control system. Lumina can control up to 48 StarLite lighting loads.

CentraLite lighting scenes are used to control groups of lights which are preset to turn on to various levels of dimming.

When set to CentraLite, the Lumina controller can:

- Send commands (on, off, and level) to individual loads and relays
- Receive status (on and off) from individual loads and relays
- Execute scene commands (on and off) to control lighting scenes
- Receive commands when buttons are pressed on a CentraLite keypad

StarLite Unit / Event Buttons Programs

This Event Button is activated when a button is pressed on a StarLite keypad.

From the Edit Program Command menu, press the 1 (CTRL) key to select the "When Command" for a control unit event.

```
UNIT:  
ENTER UNIT          ↓
```

The unit may be selected by entering the unit number followed by the '#' key or by using the arrow keys to scroll through a list of unit names. Select the desired unit. Next, you are prompted to specify the event that activates the program:

```
WHEN Porch Light:  
0=OFF 1=ON 2=SWITCH
```

Press the 2 (SWITCH) key.

```
SWITCH:  
0=OFF 1=ON 2-11=SW1-SW10
```

Press "2-9" (see the Corresponding Switch Table) to select when that button is pressed on a keypad.

Press the '#' key to enter your selection.

Corresponding Switch Table

Switch	Lumina	StarLite Keypad
1	2	1
2	3	2
3	4	3

Configuring the DSC Serial Port

The serial port on the DSC panel must first be activated. Consult the DSC installation manual for details. Once the DSC serial port is activated, a serial connection must be made from the DSC serial port to an unused serial port on the Lumina.

Configuring Serial Communications for DSC

When connecting the DSC to a serial interface on the Lumina controller, the serial interface must be configured to the DSC protocol.

Serial Module Setup

When connecting the DSC to the HAI Model 10A17 Serial Interface Module, the "Module Type" must be configured as follows:

From the Installer Setup menu, select the 7 (EXP) key.

The Module Type defines the function of each expansion module on the controller. Module 1 is the module with the ADDR jumper set to 1. Set the module type from the list below. Press '#' to change the module type, then use the arrow keys to select the proper module type, then press '#' to enter:

```

MODULE 1 TYPE          3
OMNI-LINK              #=CHNG ↓

```

➤ For DSC communications, set the Serial interface module to “17” (DSC COMMUNICATIONS).

For example, when configuring the module to DSC and if the jumper on the Serial Interface Module is set to 1, set “Module 1” Type to “17” (DSC SECURITY). The Serial Interface Module is now set to use the DSC Protocol.

MODULE TYPES	NUMBER	DESCRIPTION
NOT USED	0	No module is installed
HARDWIRE EXPNDR	1	Model 10A06 Hardwire Expander installed
ALC	2	ALC Interface Module is installed
OMNI-LINK	3	Model 10A17 Serial Interface using the Omni-Link protocol
PRO-LINK	4	Model 10A17 Serial Interface using the Pro-Link protocol
UPB	5	Model 10A17 Serial Interface using the UPB protocol
RADIO RA	6	Model 10A17 Serial Interface using the RadioRA protocol
CENTRALITE	9	Model 10A17 Serial Interface using the CentraLite protocol
VIZIA RF Z-WAVE	10	Model 10A17 Serial Interface using the Z-Wave protocol
HAI HI-FI	11	Model 10A17 Serial Interface using the HAI Hi-Fi protocol
DSC SECURITY	17	Model 10A17 Serial Interface using the DSC protocol

Serial Function Setup

When connecting the DSC to one of the built-in serial ports (J1-J3 Serial), the "Serial Function" selects the communication protocol that is used.

Serial 1 Function

Select the function for the built-in serial interface from the list. Use the arrow keys to select the function then press the '#' key.

FUNCTION TYPES	NUMBER	DESCRIPTION
OMNI-LINK	3	Serial communication using the Omni-Link protocol
PRO-LINK	4	Serial communication using the Pro-Link protocol
UPB	5	Serial communication using the UPB protocol
RADIO RA	6	Serial communication using the RadioRA protocol
CENTRALITE	9	Serial communication using the CentraLite protocol
VIZIA RF Z-WAVE	10	Serial communication using the Z-Wave protocol
HAI HI-FI	11	Serial communication using the HAI Hi-Fi protocol
DSC SECURITY	17	Serial communication using the DSC protocol

Serial 2 - Serial 3 Function

The "Serial 2 Function" and "Serial 3 Function" selects the communication protocol used for the built-in serial interface ports (J2 Serial and J3 Serial, respectively) on the Lumina controller. Select the function for the built-in serial interface from the list.