



Pronto-Link V2.1 Integration Module

DESCRIPTION

Pronto-Link Version 2.1 is a Pronto Script Integration Module which allows a Philips TSU9400, TSU9600 or TSU9800 Pronto remote to control HAI Omni and Lumina family automation systems. The purpose of this document is to explain how to integrate the HAI Pronto-Link ProntoScript Module Version 2.1 of the HAI Pronto-Link ProntoScript Module into a new or existing Extended Pronto Configuration File (XCF).

NOTE: The HAI Pronto-Link V2.1 will only work with Philip's ProntoEdit Professional 2 and not with any earlier releases of ProntoEdit.

REQUIREMENTS

The following equipment, documents, and software is required:

1. HAI Controller: One of the following HAI controllers with firmware Version 2.16 or later:
 - a. Omni IIe
 - b. OmniPro II
 - c. Lumina
 - d. Lumina Pro
2. Resource Documents: Refer to the following resource documents throughout the installation of this module:
 - a. Philips Pronto Script Developer's Guide
 - b. HAI Omni-Link II Serial Protocol Description (Document number: 20P00)
3. Software: The following software is required:
 - a. HAI Omni firmware, Version 2.16 or later
 - b. ProntoEdit Professional 2, Version 2.0.34.0 or later
 - c. Pronto firmware, Version 5.0.6 or later
 - d. The HAI Omni ProntoScript Modules files
(XXX – Language: English, Chinese, French, Hebrew, Italian, or Russian)
 - HAI_9400_Pronto_Link_2_1_XXX.xcf
 - HAI_9600_Pronto_Link_2_1_XXX.xcf
 - HAI_9800_Pronto_Link_2_1_XXX.xcf

INSTALLATION

The following installation steps must be performed:

Prerequisites

1. Install the ProntoEdit Professional onto the PC.
2. Verify the firmware on the Pronto. This can be done in one of two ways:
 - a. With the Pronto powered up, from the main screen, hold down the tools symbol on the top of the screen for 3 seconds. The Settings screen should appear. Then select the Info tab/page. Verify the Version >Application number is 5.0.6 or greater.
 - b. With the Pronto powered up, simultaneously hold down the Backlight, Menu, and Firm Key that is second from the left. The Diagnostics screen should appear. Then select the Info tab/page. Verify the Version >Application number is 5.0.6 or greater.
3. Exit the Settings or Diagnostics screen by pushing the far right Firm Key located just below the Pronto screen.
4. Upgrade the firmware if necessary. Instructions may be found at: <http://www.pronto.philips.com/>.

HAI Pronto-Link Module Installation

1. Run the ProntoEdit Professional 2 program.
2. Open your project that you want the HAI Controller Activity to merge into.
3. For a new project select File→Open; for an existing project, select the File→Merge Project... from the menu.
4. Locate the Pronto-type specific HAI_9X00_Pronto_Link_2_1_XXX.xcf file & select Open to bring it into the project.
5. The HAI Controller Activity is now included into your Pronto Project. Remember to set up the HAI Controller network parameters and save it into your project. Note that

NOTE: Using the HAI Controller XCF will add an HAI Home Page to the Home activity of your project. By default, this page includes an HAI button that will jump to the HAI Controller Activity and a button that will utilize the HAI Controller API to perform an ISSUE COMMAND sequence (See Issuing Commands Outside of the HAI Device below). If not needed, this page can be deleted without causing any problems.

HAI Pronto-Link Module System Properties Setup

1. Open the System folder in Project Overview. Select the System Properties.
2. Select the Network tab. Make sure the Wireless button in the Network Options is checked. It is recommended to select a Wireless Timeout of Twenty Four Hours. Under the Use Control Panel select the With Wireless & Serial Extender(s) and/or Music Server in Network Mode button. Enter the appropriate information under the Wi-Fi Settings panel: SSID and Encryption parameters. Enter the appropriate information under the IP Settings panel: DHCP or Fixed IP parameters.
3. Select the Settings 1 tab. It is recommended to change the LCD Backlight Settings Time Out parameter to the maximum value of 240 seconds.
4. Select the Settings 2 tab and adjust the parameters listed in the Time Settings as needed.

HAI Pronto-Link Module HAI Controller Setup

1. For your convenience, an HAI button has been included with the HAI Pronto-Link Module. Select the HAI Controller Activity. The button is found on the HAI Controller→HAI HOME page. You will need to move the HAI button to the page you want to jump from to utilize the HAI Controller Activity. Normally, this would be from a Home Activity page but the HAI button may be moved to any page in your configuration.

NOTE: You should check that the Action Jump of the HAI Button will jump to the HAI Controller Activity. Do this by selecting the HAI Button on the HAI HOME page and checking the Actions tab of the Button Properties for the jump. If needed, make it a Page Jump to the HAI Controller Omni page.

2. There is a Jump Action that you may want to change to properly exit from the HAI Controller Activity. First you will need to select the HAI Controller→Activity Properties page. Then select the Home button in the Pronto panel displayed. It is the button that has a house on it. Select the Actions tab. As you can see, the default for the final jump is to jump to the Home page. You may want to change this to properly jump to whatever page from which you had called the HAI Controller Activity. If it is the Home page, you don't need to change this Jump.
3. Next, select the INSTRUCTIONS page of the HAI Controller Activity. Read the INSTRUCTIONS page to determine what you need to change on the PARAMETERS pages.
4. Select PARAMETERS_1 page. Change the HAI Controller IP address, Port Number, AES key parts and Default Area to your specific values.

NOTE: Each AES key part MUST have 16 hexadecimal characters for proper connectivity. You may obtain these key parts from your HAI Controller or PC Access. Simply type in each of the key parts and enter them in the proper location. The hyphens between bytes are optional.

5. Select PARAMETERS_2 page. Verify that the Pronto Type is correct for the unit you are programming. You should not change this setting or the HAI Controller Activity may not work properly. For foreign language editions, you may also select to use Language Labels for your Pronto display. To do so, set the Use Language Labels value to Yes. Scroll down to the Language_XXX pages to enter the appropriate titles for the specific labels you require for Areas, Audio Sources/Zones, Buttons, Thermostats/Sensors and Rooms/Units items. Each label is listed by item number. Then when the Pronto connects to the HAI Controller, the titles of the specific item will be replaced by whatever you put in the respective item label.
6. Save your configuration file as you are ready to download Pronto-Link into your Pronto remote.

Issuing Commands Outside of the HAI Device

1. For your convenience, an HAI Issue Command button has been included with the HAI Pronto-Link Module. Select the HAI Controller Activity. The button is found on the HAI Controller→HAI HOME page. You will need to move the HAI Issue Command button to the page you want to jump from to utilize HAI Omni-Link II commands directly to your HAI Controller.

NOTE: You should check that the Action Jump of the HAI Issue Command Button will jump to the HAI Controller Activity→ISSUE COMMAND page. Do this by selecting the HAI Issue Command Button on the HAI HOME page and checking the Actions tab of the Button Properties for the jump. If needed, make it a Page Jump to the HAI Controller ISSUE COMMAND page.

2. To issue Omni-Link commands outside of the HAI device, first select the ISSUE COMMAND page under the HAI Controller Activity. Select the Advanced tab in the Page Properties. Read the instructions listed under the Advanced tab in the ProntoScript Properties→Page Script.

3. Any button on any page in the configuration can access the Omni-Link commands by adding an Action to the button that does a Page Jump to the HAI Controller ISSUE COMMAND. The Pronto will then issue all commands programmed to the HAI Controller and return to the page that called it.
4. The easiest way to issue a command from the Pronto to the HAI Controller is to program a Button on the HAI Controller to perform the tasks you want it to perform. Then issue the Button execution Omni-Link command(7) from the ISSUE COMMAND page. An example of this is listed in the ISSUE COMMAND instructions (Execute Button 1).

Additional Notes

1. To download the configuration to the Pronto, either press <Ctrl> + D keys simultaneously or select File→Download to Control Panel to perform the download.
2. The HAI Pronto-Link ProntoScript Module Version 2.1 may be downloaded from the [Philips Pronto web site](#). You must have login privileges to get to the download area. A special place on the HAI web site is available for dealers to download the Module from there.

REVISION HISTORY

<i>Date</i>	<i>Section/Revision</i>
10/13/08	New Release
01/29/09	Updated from V2.0 to V2.1