

Quick Start Guide

Welcome to HAL by Home Automated Living

This Quick Start Guide will get you started using HAL, but only a thorough reading of the HAL Online Help Guide or the Operating Manual will give you a true understanding of the power and possibilities of HAL. To open the Online Help Guide, start HAL then right-click on the ear icon and select HAL HELP, or go to START... PROGRAMS... HAL... HAL HELP.

The Operating Manual is a printable version of the Online Help Guide. To view or print the Operating Manual, go to the "DOCS" folder on the HAL program CD. The Operating Manual is a Microsoft® Word 2000 document. If you do not have Microsoft Word, you can install the Microsoft® Word Viewer, which will allow you to view and print the Operating Manual. Microsoft Word Viewer is also included in the "DOCS" folder.

For information on the technical support options available for this product, go to the Support section of the Online Help Guide or go to the HAL website (www.AutomatedLiving.com).

STEP 1: INSTALL THE MODEM

If your HAL software was shipped with a HAL-compatible modem, then install the modem as explained in the *HAL Modem Quick Installation Guide*, which was shipped with the modem. Instructions for installing the modem are also included in the QUICKSTART.DOC file, which is in the "DOCS" folder on the HAL program CD.

STEP 2: INSTALL X-10 HARDWARE

One way that HAL can control a device is by sending signals over the electrical wiring in the home. This is the basis of the X-10 protocol. The best part about the X-10 protocol is that it doesn't require any rewiring because it uses the standard wiring already running through the house.

The sections below explain how to connect a Power Line Adapter to HAL and how to install a Lamp Module. If your HAL product did not a Power Line Adapter, then please proceed to **Step 3**. (You can purchase these items from the HAL website at www.AutomatedLiving.com.) Please note that the Power Line Adapter can be connected at any time, but HAL cannot control electrical devices like lights and appliances until a Power Line Adapter is connected to it. Lamp Modules and other X-10 compatible receivers can be installed at any time.

If your HAL product came with a Power Line Adapter or Lamp Module, or if you already have those items, then please follow the steps below to install them before you install the HAL software. It's not necessary to install them before installing HAL, but it is easier to have it done before the HAL Setup Wizard is run (**Step 4**).

CONNECT THE POWER LINE ADAPTER

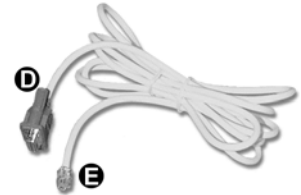
The Power Line Adapter has three prongs on the back (**A**), a three-prong outlet on the front (**C**), and an additional interface connector port, similar to those used on telephone handsets, on the bottom (**B**). The model number on the back of the Power Line Adapter will be HAL11, CM11, HD11, or something similar. Power Line Adapters are shipped with a Serial Port Cable and Connector (see below).

1. Plug the Power Line Adapter (**A**) into a standard wall outlet.

NOTE: The Power Line Adapter must be plugged into an outlet that is always on. It can be plugged into a power strip, but do not plug it into an outlet that is controlled by a wall switch.



2. One end of the Serial Port Cable and Connector is a serial port adapter (D). Connect that end to a serial port on the computer.
3. The other end of the Serial Port Cable and Connector is similar to the type of connector used for telephone handsets. Connect that end (E) to the bottom of the Power Line Adapter (B).



The outlet on the front of the Power Line Adapter (C) is the same as a standard outlet -- anything plugged into this outlet will draw electricity just as if it were plugged directly into a standard wall outlet or power strip. This outlet is not an X-10 outlet, so HAL will not be able to control any light or appliance plugged into the outlet.

CONNECT THE LAMP MODULE

The Lamp Module is smaller than the Power Line Adapter. There are two prongs on the back (F) and a two- or three-prong outlet (depending on the model) on the bottom (G). On the front of the Lamp Module are two dials (H). One dial is the *Unit* code with a number range of 1 to 16. The other dial is the *House* code with a letter range of A to P.

1. Use a coin or screwdriver to turn the dials on the front of the Lamp Module (H). The combination of these two dials is referred as the device's "address". For instance, the Lamp Module pictured at right is set to an address of **A1** -- the House code is set to "A" and the Unit code is set to "1". There are 256 possible address combinations with X-10 devices. For now, you can leave the module set to "A1".
2. Plug a table or floor lamp into the outlet on the bottom of the Lamp Module (G).



Lamp Modules are for incandescent lights *only*. To control an appliance (such as a coffeemaker) you will need to use an Appliance Module. The steps for installing an Appliance Module are the same as the ones for installing a Lamp Module.

3. Plug the Lamp Module into a standard wall outlet (F).

NOTE: The Lamp Module must be plugged into an outlet that is always on. It can be plugged into a power strip, but do not plug it into an outlet that is controlled by a wall switch.

4. Make sure that the lamp itself is on.

STEP 3: INSTALL THE SOFTWARE

1. Load the HAL program CD into the CD-ROM drive.
 - If the drive is configured to auto-run CDs, then the HAL Interactive Demo will run. Once it's finished, the *Installation Menu* will appear. Click on the **INSTALL HAL** option.
 - If the drive is not configured to auto-run CDs, then:
 - Go to **START... PROGRAMS... WINDOWS EXPLORER**. Navigate to the CD-ROM drive and double-click on **INSTALLMENU.EXE**. The HAL Interactive Demo will run. When it's finished, the *Installation Menu* will appear. Click on the **INSTALL HAL** option.
 - Or go to **START... RUN**. Type **D:\INSTALLMENU.EXE** (where "D" is the letter corresponding to the CD-ROM drive). Click "OK". The HAL Interactive Demo will run. When it's finished, the *Installation Menu* will appear. Click on the **INSTALL HAL** option.

STEP 4: RUN THE HAL SETUP WIZARD

The HAL Setup Wizard will start automatically after the software has finished installing. If the HAL Setup Wizard didn't start automatically, go to **START... PROGRAMS... HAL... HAL SETUP WIZARD**. Make sure that all programs that use COM ports are shut down and that the modem is properly configured in the system Control Panel. If you have a Power Line Adapter, make sure that it is plugged into a serial port (see **Step 2**).

Follow the HAL Setup Wizard's on-screen instructions. The HAL Setup Wizard will help you to set up:

- your sound card for optimum voice interaction with HAL
- HAL to connect to the Internet and specify what information to download
- the answering machine and other telephony features, including interaction through telephones
- HAL's connection to X-10 devices in your home, including the Power Line Adapter and Lamp Module that were installed in **Step 2**

CREATING X-10 DEVICES IN THE HAL SETUP WIZARD

The HAL Setup Wizard will also help you to name X-10 devices in HAL so that you can control lights and appliances connected to those devices. Once those devices are named in HAL, you can control them by voice.

The process of setting up HAL to communicate with X-10 devices is in the last section of the HAL Setup Wizard and begins with the screen asking if you have a Power Line Adapter connected to the computer. Select "Yes" in this screen and then click NEXT to continue.

If you don't have a Power Line Adapter connected to the computer, then select one of the other options. The HAL Setup Wizard will go to its last screen. Click FINISH in that screen and then proceed to **Step 5**.

The next screen will ask you to specify what model of Power Line Adapter you're using. Leave the default option (HAL11/CM11/CM12/HD11/CK11) selected and then click AUTO SENSE to have HAL find the COM Port that the Power Line Adapter is using. Click NEXT to continue. *(If HAL Setup was unable to AUTO SENSE the Power Line Adapter, then you may need to exit HAL Setup and restart the computer in order for the computer to recognize that the serial port is now in use. After the computer restarts, run HAL Setup.)*

The next screen asks if you have X-10 compatible devices installed in your home. If you installed a Lamp Module in **Step 2** or if you already have X-10 devices installed, then select "Yes" and click NEXT to continue.

If you don't have X-10 compatible devices installed, then select one of the other options. The HAL Setup Wizard will go to its last screen. Click FINISH in that screen and then proceed to **Step 5**. (You can add devices to HAL at a later date from within the *System Data Devices* screen -- see *Automating Your Home* in the HAL Online Help Guide or the Operating Manual for more information.)

The next screen is where you can name devices within HAL. Click ADD to open the *Device Wizard*. In the first screen, select the type of device that you're creating then click NEXT. In the next screen, type a location and device type, if desired (these fields are not required, but they are used to sort the list of devices in the *Automation Devices* screen). Click NEXT. In the next screen, give the device a name, such as "Living Room Light" or "Front Porch Lights", etc. This is the name that will be used to control the device by voice. Click NEXT to continue.

In the next screen, select the manufacturer of the device. A list of model names or numbers will appear in the grid. Select the model of device you're using then click NEXT.

In the next screen, turn the dials or use the keyboard to enter the House and Unit code (see Step ②) for this device. Assume for this example that the Lamp Module that the table lamp is plugged into is set to an address of **A1** -- set the dials on this screen so that A1 is displayed. Click NEXT to continue.

In the next screen, select whether this is a device that will turn on or off or if it's a device that opens or unlocks. For this example, we're setting up a light, so make sure ON/OFF and DIMMABLE are selected. Click NEXT.

In the next screen, specify if this device is one that will be controlled by voice and if HAL will ask for or give confirmation when it carries out a command relating to this device.

Click FINISH to save the device and close the *Device Wizard*. If you have more devices to create, then click ADD and repeat the previous steps. When done adding devices, click NEXT and continue through the rest of the HAL Setup Wizard screen.

STEP 5: START HAL

If you didn't start HAL from the HAL Setup Wizard, then you can launch it by clicking START... PROGRAMS... HAL... HAL. If the option to create a desktop icon was selected during installation, then you can also start HAL by double-clicking on HAL's icon on the Windows desktop.

When the program starts, it will say, "*Welcome to HAL by Home Automated Living.*" An ear icon and a phone icon will appear in the system tray (generally the lower-right corner of the Windows® 98/Me/XP/2000 screen).



HAL is now running in the background. Other programs can operate while HAL is running.

STEP 6: UP AND RUNNING

At this point, there are already a few things you can ask HAL. Additional commands and queries become available as you configure HAL and add devices (see *Automating Your Home* in the HAL Online Help Guide or the Operating Manual for more information).

Left-click on the ear icon in the system tray to get HAL's attention. HAL will say "Yes?" and moving sound waves will appear next to the ear icon. Talk into a microphone connected to the computer and ask HAL these questions:

"What time is it?"

"What is today's date?"

If you enabled Internet services in the HAL Setup Wizard (**Step 4**), then you can ask for information downloaded from the Internet. (HAL will need to connect to the Internet and download information at least once before you can ask it Internet-related questions. HAL will automatically connect to the Internet about three minutes after it's started.) For example, you could ask HAL:

"What is the weather forecast for tomorrow?" or "What is tomorrow's weather forecast?"

If you created a device in the HAL Setup Wizard, then you can control it by voice. For example, you could say:

"**Turn on** the *living room light*." or "**Turn** the *living room light on*."

"**Shut off** the *living room light*." or "**Shut** the *living room light off*."

"**Dim** the *living room light 40%*." or "**Dim** the *living room light to 40%*."

Left-click on the ear icon to take HAL out of listening mode, or say "Thank you," "That's all", or "Goodbye." Go to the HAL Online Help Guide or the Operating Manual for more information on controlling HAL by voice.