

PRO-100 S5 Quick-Start Guide

Congratulations on your purchase! Your PRO-100 S5 is ready to put you in control of your home. Please take a few minutes to read through this guide to familiarize yourself with the steps required to set up your Z-Wave network and your PRO-100.

STEP #1 – PRO-100 S5 Initial Setup

To begin using HS3 you will need to setup your PRO-100 S5. Follow these steps:



PRO-100 Hardware Installation

- Unpack the PRO-100 and AC power supply.
- Connect a monitor, mouse, and keyboard for initial set up. (The unit is also accessible remotely using VNC or find.homeseer.com)
- Connect an Ethernet cable to your PRO-100 and to a network port on your internet router.
- Connect the AC power adapter to your PRO-100 to begin the boot process. Turn on the PRO-100 on and allow the unit to boot fully.

Accessing the PRO-100 Web Interface

Once the unit boots, you'll need to access the web interface to set the system up. The method below should work with any browser on any device (mobile or desktop).

- Navigate to <http://find.homeseer.com>
- Click the "Search" button. Your HomeSeer system should now appear at the bottom.
- Click the IP address hyperlink to access your system's web interface.



Changing the Username and Password

The default username is: *default* and the default password is: *default*. It is highly recommended that you change the username and password to something more secure. Please make sure to save this information.

- Go to the Tools menu and click Setup.
- Click on the Network tab at the top and you will see a list under Web User Settings.
- Enter a User Name and Password in to the respected fields and then choose the User Rights.
- Click Add User once all fields have been completed. Click Delete to remove a User.

Updating Your PRO-100 S5

Be sure to set the time zone and check for updates and install any that are available. To do this, follow these steps:

- Upon HomeSeer booting it will check for updates.
- You can either restart your PRO-100 or just restart HS3.
- HomeSeer needs to be shut down once the update procedure begins.

Setting the Time Zone and Updating Your PRO-100

- Double click on the time in the bottom right of your screen in the system tray and then click *Change Time Zone*.

STEP #2 – Using RealVNC for Remote Access

RealVNC is a freeware software tool that will allow you to access the Windows® interface of the PRO-100 from any remote computer via home network (LAN) or the internet (WAN). The PRO-100 is shipped with RealVNC pre-installed for remote access.

To Access the PRO-100 from Any Computer on your Home Network

1. Open any Java-compatible browser and in the address box enter <http://PRO-100:5800>. Alternately, you may use the LAN IP address for your PRO-100. Example: <http://192.168.0.100:5800>
2. If a security message appears, click the run button.
3. A small box titled “VNC Viewer: Connection Details”. Click ‘OK’ in this box.
4. Another small box titled “VNC Authentication” now appears. Use the password “hsthst” and hit the ‘enter’ key. The Windows interface for the PRO-100 should now appear.

To Access the PRO-100 from Any Computer on the Internet

1. Open any Java-compatible browser and in the address box enter [http://\[IP Address\]:5800](http://[IP Address]:5800) (where [IP Address] represents the physical or virtual internet IP Address for your PRO-100). Example: <http://77.324.445.103:5800> or <http://mydomain.com:5800>
2. If a security message appears, click the run button.
3. A small box titled “VNC Viewer: Connection Details”. Click ‘OK’ in this box.
4. Another small box titled “VNC Authentication” now appears. Use the password “hsthst” and hit the ‘enter’ key. The Windows interface for the PRO-100 should now appear.

NOTE: If your internet connection is protected by a firewall or router, you’ll need to open port 5800 to allow internet access to your PRO-100. Check with your firewall or router manufacturer for details on how to do this.

NOTE: VNC Viewer can also be downloaded and used as an application on your remote computer to access your PRO-100.

STEP #3 - Z-Wave Network Setup

In order to control Z-Wave devices, such as light switches, thermostats, door locks and sensors, they must be included into a Z-Wave “network”. Follow the steps below to create your Z-Wave network and to include devices. *Note: the steps below assume you’ve already physically installed Z-Wave devices in your home.*

Including Externally Powered Devices (wall switches, receptacles, plug-in modules, etc)

Z-Troller

- a) Take your Z-Troller and put it into “inclusion mode” by pressing and holding the Add button. *Note: The Z-Troller requires AC power or battery power to perform these steps.*
- b) While the Z-Troller is in inclusion mode, position it within 1-3 feet of your Z-Wave device. Now press the network button (or paddle) on your Z-Wave device and observe the LED display on your Z-Troller. If successful, the LED display will say HOLD and then give you the node number of the device.
- c) Repeat this process for each Z-wave device you need to add to your network.

Z-Stick

- a) Take your Z-Stick and put it into “inclusion mode” by pressing and releasing the large round button on one side. A blue LED light around the button will begin blinking slowly.
- b) While the Z-Stick is in inclusion mode, position it within 1-3 feet of your Z-Wave device. Now press the network button (or paddle) on your Z-Wave device and observe the blinking LED on the Z-Stick. If successful, the LED light will glow solidly for about 2 seconds and then will begin blinking slowly again. *Note: If the LED does not*

glow solidly, the device may need to be reset. Reset the device by following the procedure outlined in “Excluding Devices” below.

- c) If you have other Z-Wave devices to add to your network, you may keep the Z-Stick in inclusion mode and add the remaining devices using the procedure above. Once you’re finished, tap the button on the Z-Stick again. The LED light will turn off and it will no longer be in inclusion mode.

Including Battery Powered Devices (door locks, environmental sensors, etc)

Battery operated devices must be included into your Z-Wave network using the PRO-100 web interface. Your Z-Wave Controller must be plugged into your PRO-100 while following these instructions. Follow the steps below to include your battery operated device(s).

- a) Position your battery operated Z-Wave device within 1-3 Feet of your PRO-100.
- b) From the web interface, use the pull down menus to navigate to the Z-Wave Controller Management page (PLUG-INS > Z-Wave > Controller Management).
- c) Locate the “Z-Wave Interfaces” area and expand your Z-Wave Controller section. Open the “Actions:” menu and choose “Add/Include a Node”.
- d) Click the ‘Start’ button below the Actions menu. Your PRO-100 is now in inclusion mode and is ready to communicate with your battery operated device.
- e) Activate the network button (or button sequence) on your battery operated device and observe the inclusion process in the green log window. When done, you’ll receive an acknowledgement such as “Finished with Replication process”. Your battery operated device is now included in your Z-Wave network!

Excluding Devices

Follow the procedure below to (a) reset the device to its factory settings or (b) remove the device from your Z-Wave interface.

Z-Troller

- a) Take your Z-Troller and put it into “exclusion mode” by pressing and holding the Delete button. *Note: The Z-Troller requires AC power or battery power to perform these steps.*
- b) Position the Z-Troller within 1 – 3 feet of your Z-Wave device and press the network button or paddle on your Z-Wave device. The LED display will say HOLD and then DONE. Your device has now been reset or removed from your network.

Z-Stick

- a) To put the Z-Stick into “exclusion mode”, press and hold its round button for 3 seconds. The LED light will begin to blink rapidly.
- b) Position the Z-Stick within 1 – 3 feet of your Z-Wave device and press the network button or paddle on your Z-Wave device. The blue LED light on your Z-Stick will glow solidly for about 2 seconds and then return to blinking rapidly. Your device has now been reset or removed from your network.

STEP #4 – Importing, Editing and Controlling Your Z-Wave Devices

After you’ve created your Z-Wave network, you’ll need to import that network into your PRO-100, so that your devices can be monitored and controlled. Here’s how to do that:

Importing Z-Wave Devices

- b) From the web interface, use the pull down menus to navigate to the Z-Wave Controller Management page (PLUG-INS > Z-Wave > Controller Management).

- c) Locate the “Z-Wave Interfaces” area and expand the section of your Z-Wave Controller. Open the “Actions:” menu and choose “Import Node Info from Controller and Scan Devices”.
- d) Click the ‘Start’ button below the Actions menu. Your PRO-100 will now import your device information from the Z-Stick. When done, you’ll receive an acknowledgement such as “Finished with Z-Wave device synchronization”. Your Z-Wave devices may now be monitored and controlled from the PRO-100!

Editing and Controlling Your Z-Wave devices

- a) From the web interface, use the pull down menus to navigate to the Device Management Page (VIEW > Device Management). Click the “Show All” button in the upper right hand area of the page. A list of all your devices will now be displayed.
- b) To edit the name, location and other properties of any device, click the [Name](#).
- c) To control the device, use the buttons in the Control column.

Status	Category	Room	Name	Address	Type	Last Change	Control
☐ No Status	Lighting	Kitchen	Motion Sensor Root	003D46CA-034	Z-Wave On/Off Sensor Root Device	Never_Set	
☐ 100%	Lighting	Kitchen	Motion Sensor Battery	003D46CA-034-Q38	Z-Wave Battery	9/5/2013 5:18:28 PM	
☐ No Motion	Lighting	Kitchen	Motion Sensor	003D46CA-034-Q39	Z-Wave Sensor Binary	9/6/2013 5:58:33 PM	
☐ On	Lighting	Kitchen	Pannini Maker	003D46CA-036	Z-Wave Switch Binary	9/5/2013 8:56:48 AM	Off On
☐ On	Lighting	Kitchen	Light-Overhead	003D46CA-014	Z-Wave Switch Binary	Today 8:37:32 AM	Off On

STEP #5 – Creating Automation Events

Simply put, an automation event consists of an action (or actions) that are set into motion by one or more triggers. Example: Turning on lights at sunset. Trigger = sunset, Action = turning lights on. With HomeSeer, you can quickly and easily create all the events you need. Here’s how to create the sunset event above:

Creating Events

- a) From the web interface, use the pull down menus to navigate to the Events page (VIEW > Events).
- b) Change the event group name from “New Group” to “Lighting”.
- c) Now expand the “New Event” section and rename the new event to “Lights on at Sunset”
- d) In the shaded blue “Trigger” section, choose “The Time Is...” and then select “The Time is Sunset”
- e) If the shaded green “Actions” section, choose “Control a Device” and then select the device you wish to control and the method of control (on / off) you wish to use. The resulting event will look like this:



STEP #6 – Trouble Shooting Your PRO-100

All customers have lifetime support. Initially you have **30 Day Priority Phone Support** and after that you have support through our **Help Desk** (helpdesk.homeseer.com) and our community based **Message Board** (board.homeseer.com).

Symptom	Cause	Solution
Unit Won't Power On	Ac Adapter Unplugged	Plug-In Adapter
	AC Adapter Bad	Contact HomeSeer
	Power Cable Bad	
Unit Powers On But Won't Boot	USB Hardware Conflict	Detach USB Device And Reboot
	Software Failure	Contact HomeSeer
	Hardware Failure	
Z-Wave Devices Cannot Be Included Into Z-Wave Network	Device Was Previously Installed On Another Z-Wave Network	Use "Exclude Device" Procedure To Reset Device, Then Try To Include
	Device Failure	Replace Device
	Z-Stick Failure	Contact HomeSeer
HSDiscover Cannot Locate Device	PRO-100 Not Powered On	Power Unit On
	PRO-100 Not Fully Booted	Wait 2 Minutes For Unit To Boot
	PRO-100 Not Connected To LAN	Connect Unit To Router And Reboot
Door Locks Won't Include Or Can't Be Controlled	Inclusion Process Incorrect Or Incomplete	Exclude Devices and Repeat Procedure Outline In "Including Battery Powered Devices" Section
Sensors Won't Include Or Can't Be Monitored		
All Other Problems		Contact HomeSeer

HomeSeer Technologies

10 Commerce Park North, Unit #10

Bedford, NH 03110

www.homeseer.com

603-471-2816