White Rabbit Automation System

User Guide

Connecting Security and the Smart Home to Your Lifestyle

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What is the White Rabbit Smart Hub?

This system delivers the most comprehensive feature set to combine security and the Smart Home. The White Rabbit Smart Hub:

- Offers home security with optional professional monitoring and emergency response
- Connects the “Internet of Things” in today’s Smart Home
- Works in combination with your smartphone for automating a variety of devices
- Adapts to your lifestyle
- Eliminates the need for manual arming and disarming
- Automatically arms itself when the last family member leaves the home and disarms itself when the first family member returns

The smart hub is at the center of a smart system. It communicates with White Rabbit Cloud, your wireless devices, and your smartphones. The cloud is a collection of monitoring and services that are accessed over the Internet. Your smartphones are what are used by the smart system to perform automated actions and monitor your family’s home and away status. The effective range of your smartphones within the smart system is determined by your internet modem’s or router’s signal strength. Together, the smart hub, the cloud, your devices, your smartphones, and central monitoring provides you with security and smart living.

About this Guide

This guide is intended to be used by professional installers and home users. However, if you’re a home user and you have any doubts as to any configuration you’re attempting to make within the system, it’s recommended that you consult with a professional installer. Incorrect installation or configuration of security hardware might cause the security of your system to be reduced or cause it to report false alarms more frequently.

There’s a variety of devices available to you through the White Rabbit Automation System. And, there’s a variety of prebuilt configurations, as well as custom configurations that you can create. As it can’t be known what devices you have or how you want to configure them, and to avoid this guide being unnecessarily cumbersome, this guide provides example configurations, but doesn’t attempt to document every conceivable device and scenario.

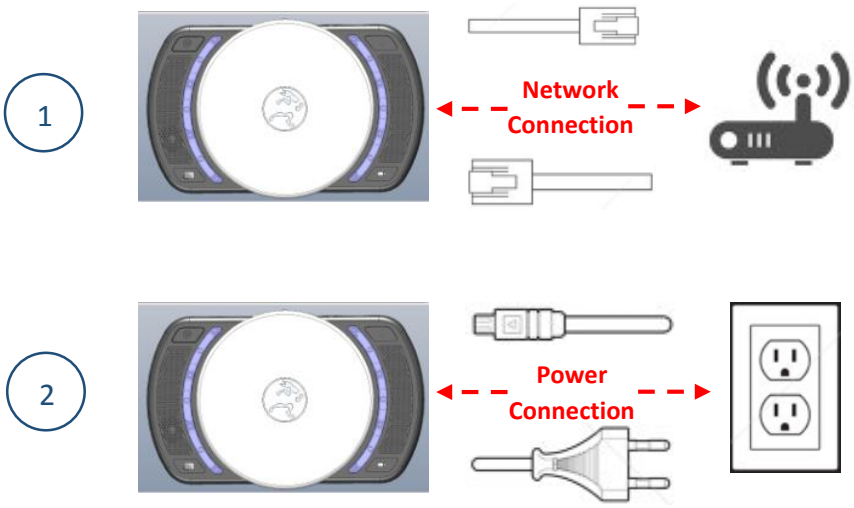
Note: If you’re viewing this document online, you can zoom in to enlarge the details of any example screens by using the standard method per your PDF reader or operating system.

Initial Setup

Your system includes:

- The White Rabbit Smart Hub
- An Ethernet Cable, 5 Foot, Cat5
- A Power Supply, 5VDC, 1.5A

Hardwire Internet Connection



See Figure 2, page 3 for the port and power connection locations.

Go to Account Setup, page 5 in this guide, to set up your smart hub account.

Notes:

- The smart hub should automatically power on when plugged in.
- Once the smart hub initially connects to the Internet, it's in an initializing state, and the light bars turn purple. Once the smart hub achieves a ready state the light bars turn medium blue. You can then proceed with creating your account.
- Should there be a power failure and you have a backup power supply, the smart hub should restart automatically. If the smart hub doesn't start automatically, press the Power On/Off button. See Figure 3, page 4, for the location of the Power On/Off button.

Wi-Fi Internet Connection (TBD)

In development…

Physical Components – Front and Side

Figure 1: White Rabbit Smart Hub Physical Components – Front

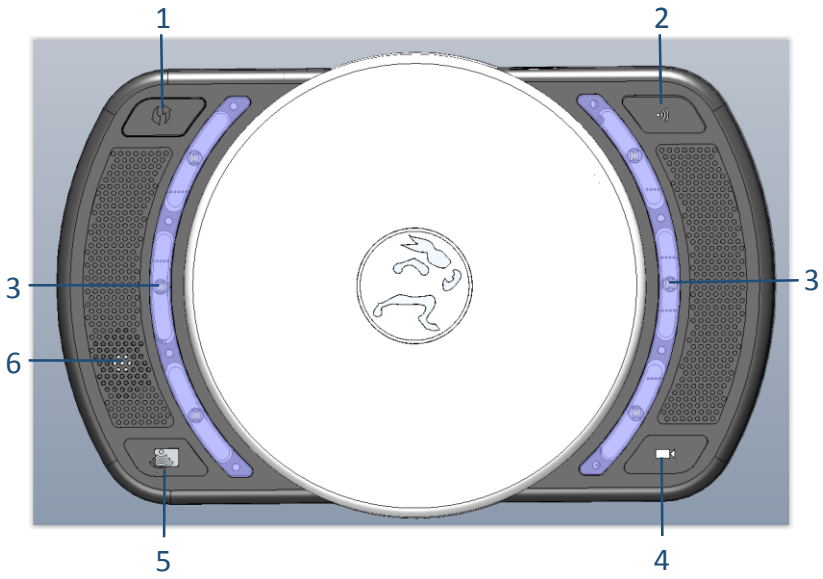
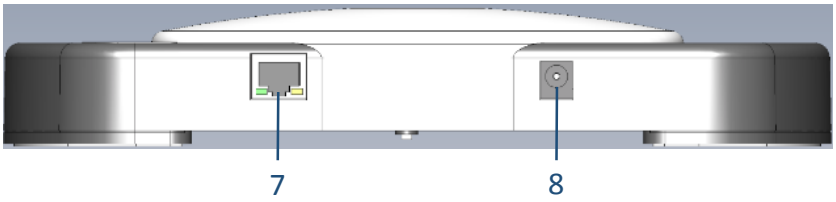


Figure 2: White Rabbit Smart Hub Physical Components – Side

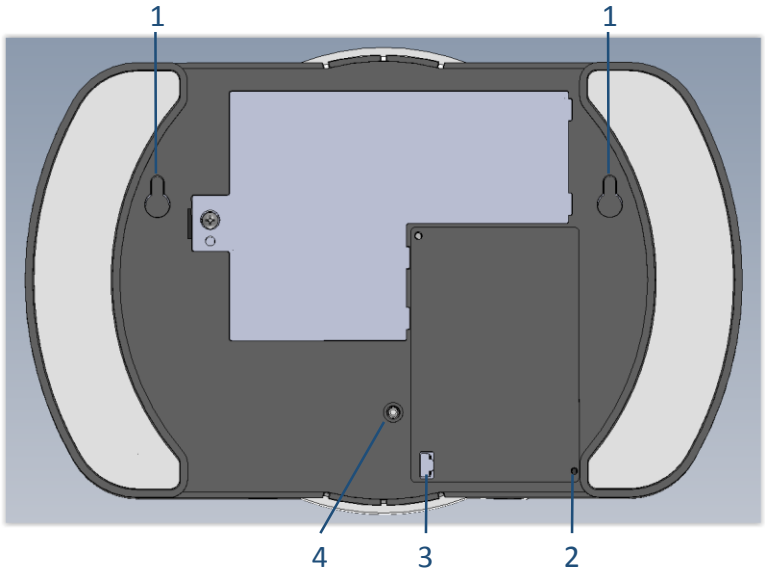


White Rabbit Smart Hub Physical Components – Front and Side	
Component Number	Component
1	WPS (Wi-Fi Protected Setup) and Arm/Disarm Combination Button
2	Backup Cellular Modem* and Status Light**
3	Status Light Bars. See Status Lights, page 9.
4	Active Streaming Digital Camera Status Light**
5	Wi-Fi Status Light**

6	**Speaker**
7	Ethernet Port
8	Power Connector
	*Additional Optional Hardware Required **Lights Up When Active

Physical Components – Back

Figure 3: White Rabbit Smart Hub Physical Components – Back

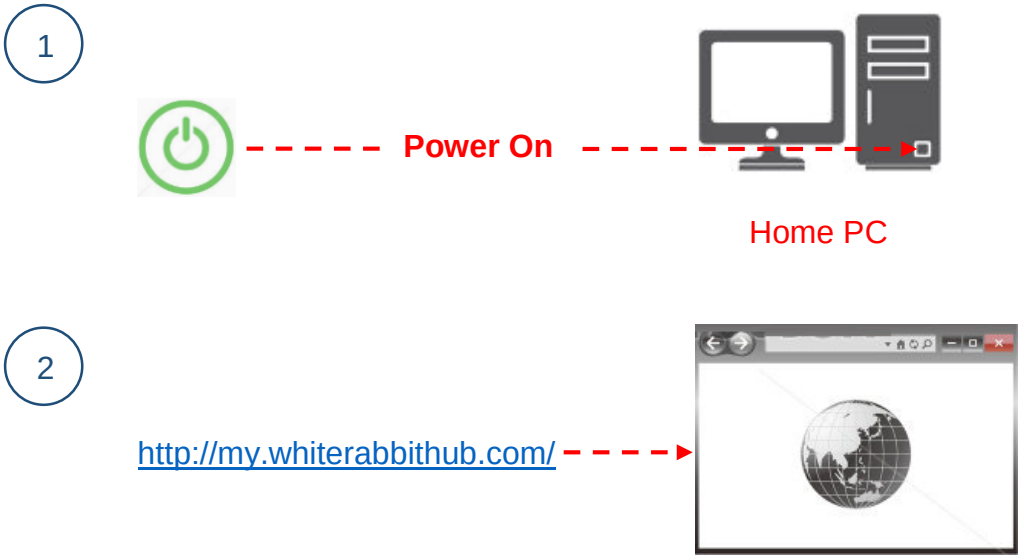


White Rabbit Smart Hub Physical Components – Back	
Component Number	Component
1	Wall Mount Brackets
2	Factory Reset Pinhole Button
3	Battery Backup Port (USB Port)
4	Power On/Off Button

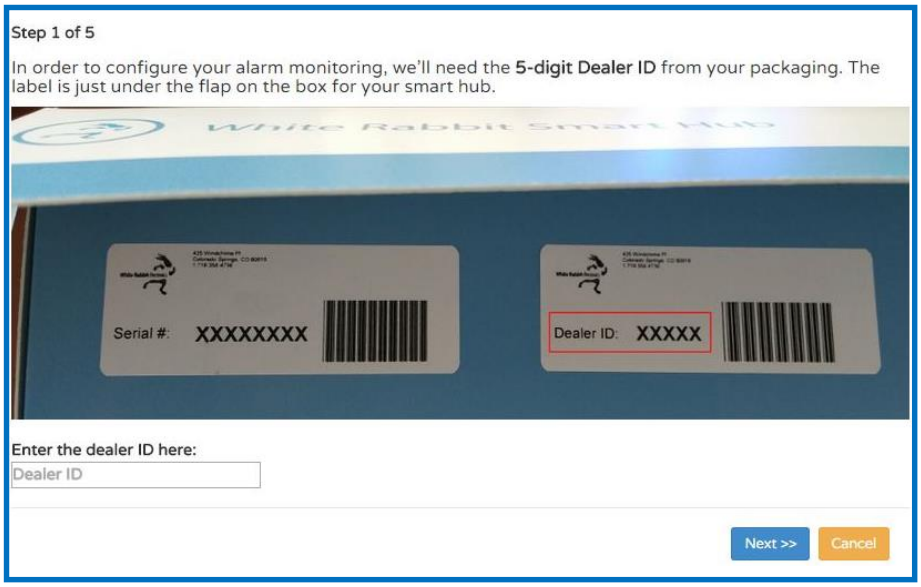
Account Setup

Notes:

- The setup wizard might not display initially if you're connecting to http://my.whiterabbithub.com from a different network than the smart hub. In this case the initial screen to display is the Login screen.
- From the Login screen you would click, **I just connected my hub, but don't yet have a login**. Next, the smart hub attempts to determine your MAC ID (media access control identification), and if successful, displays it on the first setup wizard screen for confirmation. Your MAC ID is located on a sticker on the bottom of the smart hub. You then continue to the setup wizard.
- If your MAC ID isn't determined automatically, you're prompted to enter your MAC ID. You can then continue to the setup wizard.



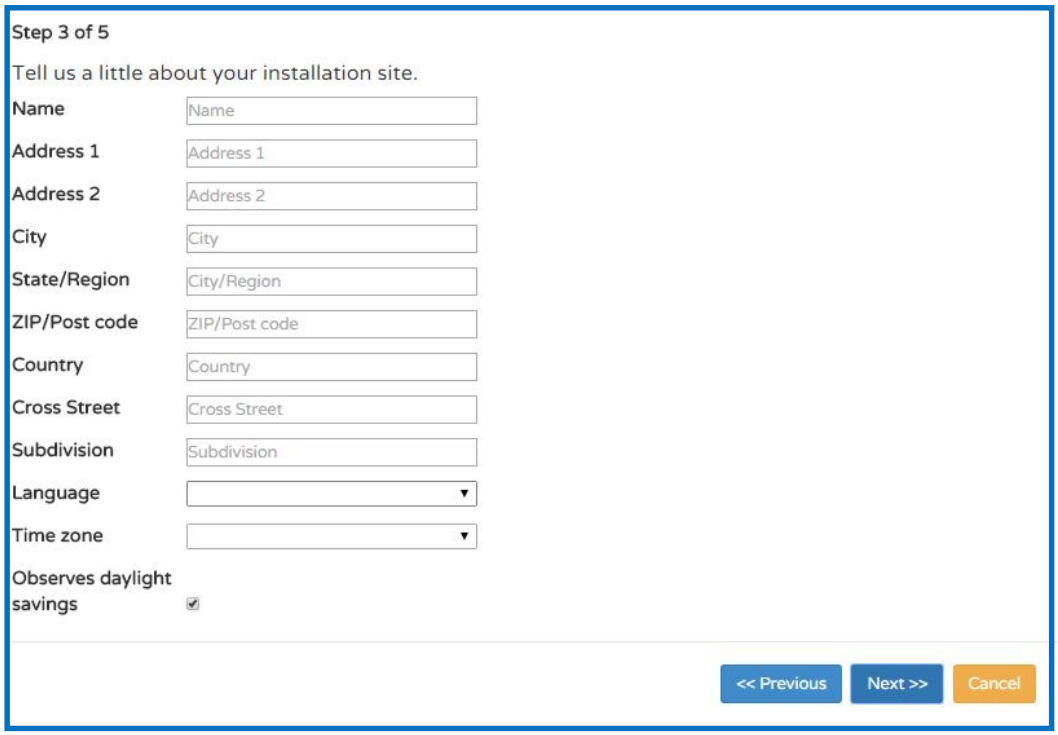
3


Step 1 of 5
In order to configure your alarm monitoring, we'll need the 5-digit Dealer ID from your packaging. The label is just under the flap on the box for your smart hub.
Serial #: XXXXXXXX
Dealer ID: XXXXX
Enter the dealer ID here:
Dealer ID
Next >>
Cancel

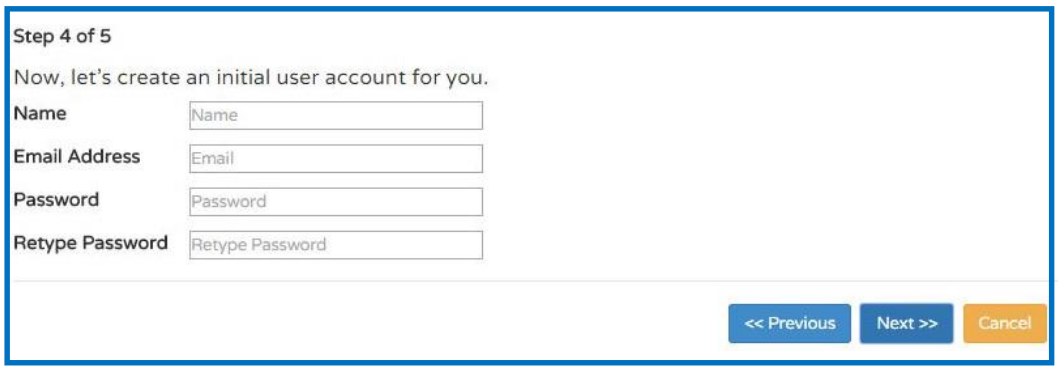
4


Step 2 of 5
Are you using this hub in a residential or commercial environment?
Residential
Commercial
<< Previous
Next >>
Cancel

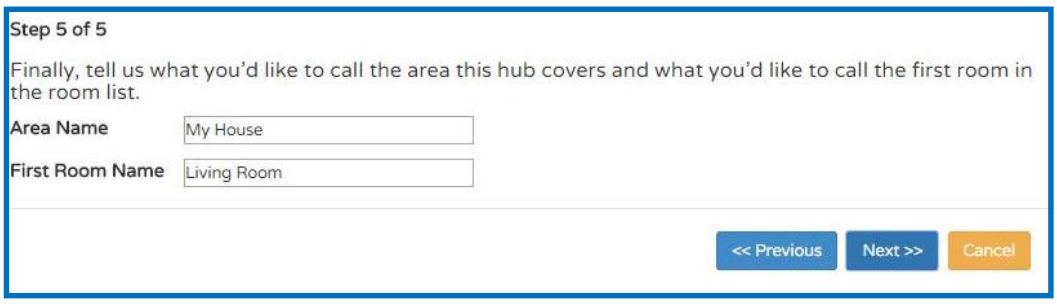
5


Step 3 of 5
Tell us a little about your installation site.
Name
Address 1
Address 2
City
State/Region
ZIP/Post code
Country
Cross Street
Subdivision
Language
Time zone
Observes daylight savings
<< Previous
Next >>
Cancel

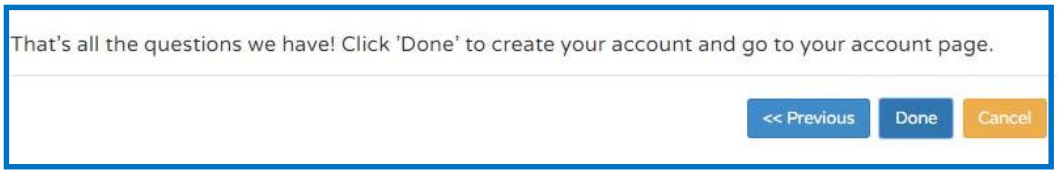
6


Step 4 of 5
Now, let's create an initial user account for you.
Name
Email Address
Password
Retype Password
<< Previous
Next >>
Cancel

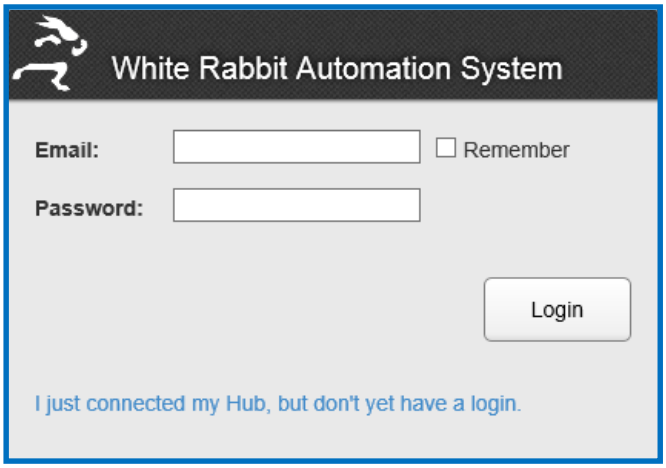
7


Step 5 of 5
Finally, tell us what you'd like to call the area this hub covers and what you'd like to call the first room in the room list.
Area Name
My House
First Room Name
Living Room
<< Previous
Next >>
Cancel

8



9



Notes:

- The first person to create a user account becomes the default administrator, which can be changed later on the Admin Panel within the system.
- You're prompted if you're using the smart hub for residential or commercial use. The default selection is **Residential** and for the purpose of this guide, we're using the residential option. The commercial option is similar with the exception of some different terminology used on the setup screens (for example, there would be a reference to "building" as opposed to "home").
- It's important for alarm handling that you correctly type your full home address in the **Address** box and select the correct **Time Zone**.
- If you live in an area that supports daylight savings, leave **Observes Daylight Savings** selected – if you live in an area that doesn't, clear the checked box.

- Your **Email Address** is your user nameat login and must be valid to receive system alerts. Your **Password** is case sensitive.
- An area is the main location. Rooms are spaces or "subsets" of areas. For example, your home could be an "area" and the entryway to your home could be a "room."
- As you go to the login screen, the light bars flash green, which means the smart hub is saving your information. Next, the light bars become a steady blue, which means the hub is in a normal state, connected to the cloud, and the system is capable of being used and armed.

Connecting to a Central Station (TBD)

In development…

Status Lights

The status lights on the smart hub indicate the condition of the system as a whole. Once you've reviewed and familiarized yourself with the meaning of the different colored lights, please review the subsection that immediately follows, "Status Bar within the White Rabbit Automation System."

Color of Light Bars	Status
Off	If you choose to turn off the status bar lights then the system is normal – all devices are ready. Or, the Off state can also indicate that the system hasn't finished starting up.
Medium Blue	The system is normal – all devices are ready.
Medium Blue "flashing" slow	System is pairing/unpairing a device. Commands can't be accepted from the user interface during this process.
Light Blue	The smart hub is connected to the cloud, disarmed, and not ready.
Purple	The smart hub is connected to the cloud and is in an initializing state.
Purple "flashing" medium	The system is in error, not connected to the cloud, and commands can't be accepted from the user interface.
Green	The system was "In Alarm," the alarm state has been canceled, but the system isn't fully restored.
Green "flashing" fast	Updates are in the process of being saved in the cloud and the smart hub. Commands can't be accepted from the user interface during this process.
White "flashing" slow	The smart hub is downloading new firmware. Commands can't be accepted from the user interface during this process.
Yellow "beeping"	The alarm is arming itself. If arming for Away or Vacation, you have a specified amount of time to exit.

Color of Light Bars	Status
Yellow "flashing" medium	The arming countdown has more than 10 seconds for Away and Vacation.
Yellow "flashing" fast	The arming countdown has less than 10 seconds for Away and Vacation.
Yellow "flashing" slow	An area error – typically the system tried to arm itself, but failed.
Red	The alarm is armed in Away, Stay, or Vacation mode.
Red "flashing" medium	The system is "In Alarm."

Status Bar within the White Rabbit Automation System

In addition to the status lights displaying on the smart hub, a colored horizontal status bar displays below the toolbar throughout the White Rabbit Automation System. This status bar matches the color of the lights on your smart hub. Therefore, you can know the status of the smart hub even if you're not in the same room as where it's located. If the smart hub status lights are on steadily, the status bar is a solid line – if the lights are flashing, the status bar is a dashed line.

White Rabbit Mobile App

Ensure that you download the White Rabbit Mobile App for your mobile devices from your preferred mobile app store. The app is available for Android and iPhone operating systems.

If you've never registered your device with your user account in the White Rabbit Automation System, you'll be prompted automatically to register immediately after logging into the mobile app – when prompted, tap **Yes**.

If you ever change the registration for a device, for example, get a new smartphone, swipe the Additional Information icon  at the **Home** screen of the mobile app. Next, tap **Update Device Registration** at the **Additional Information** screen.

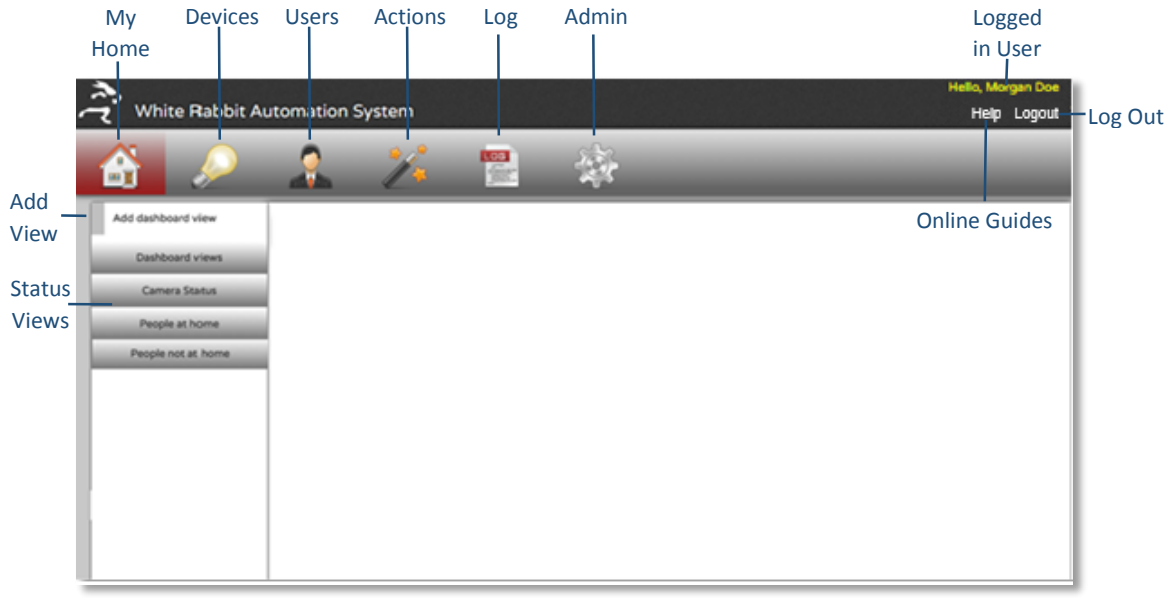
White Rabbit Automation System Overview

The main webpage of the White Rabbit Automation System displays a toolbar. Through this toolbar you can configure, monitor, and take action on devices, user accounts, and activity logs.

Notes:

- The user who's currently logged in displays just above the **Logout** button.
- When you point to a toolbar button, the name of the related panel appears.
- When one user makes an update in the system and saves the configuration, a broadcast notification is sent to all the other logged in users, prompting them to reload their account so the update is reflected.

Figure 4: White Rabbit Automation System – Home Page



The following subsections are an introduction to each toolbar button and related activity panel:

My Home

Clicking **My Home**  takes you to the My Home Panel. With the use of dashboards, this view provides you a current "snapshot" status by area and device. From here you can monitor and control your areas and devices using your home computer or any mobile device with web access. A dashboard is where you can arm/disarm your alarm system for when you're away, in, or on vacation. Additionally, you can add and remove as many dashboard views as you like. And, you can send emails and text messages to users who are part of your White Rabbit Automation System.

Devices

Clicking **Devices**  takes you to the Devices Panel. From here you can add, remove, and change areas, rooms, and devices, and pair/unpair those devices to the White Rabbit Automation System. You can choose from a variety of filters to change your view on the Devices panel. And, depending on the type of device, there are advanced options to change how each device operates and behaves within the monitoring and alarm system. These devices can also be added to a dashboard view from this panel.

Users

Clicking **Users**  takes you to the Users Panel. From here you can add, remove, and change user, phone, email, text messaging details, and privacy details.

Actions

Clicking **Actions**  takes you to the Actions Panel. From here you can select from prebuilt scenarios or add and personalize your own actions for devices and alarm handling. And, you can add and personalize schedules that you can apply to those actions. For example, you can configure an action so when you approach or open the front door to your home at night, designated lights will turn on automatically.

Log

Clicking **Log**  takes you to the Log Panel. From here you can view recorded actions against individual areas, rooms, and devices by date and time to include arming/disarming and alarm actions. You can also choose from a variety of filters to change your view of the log file.

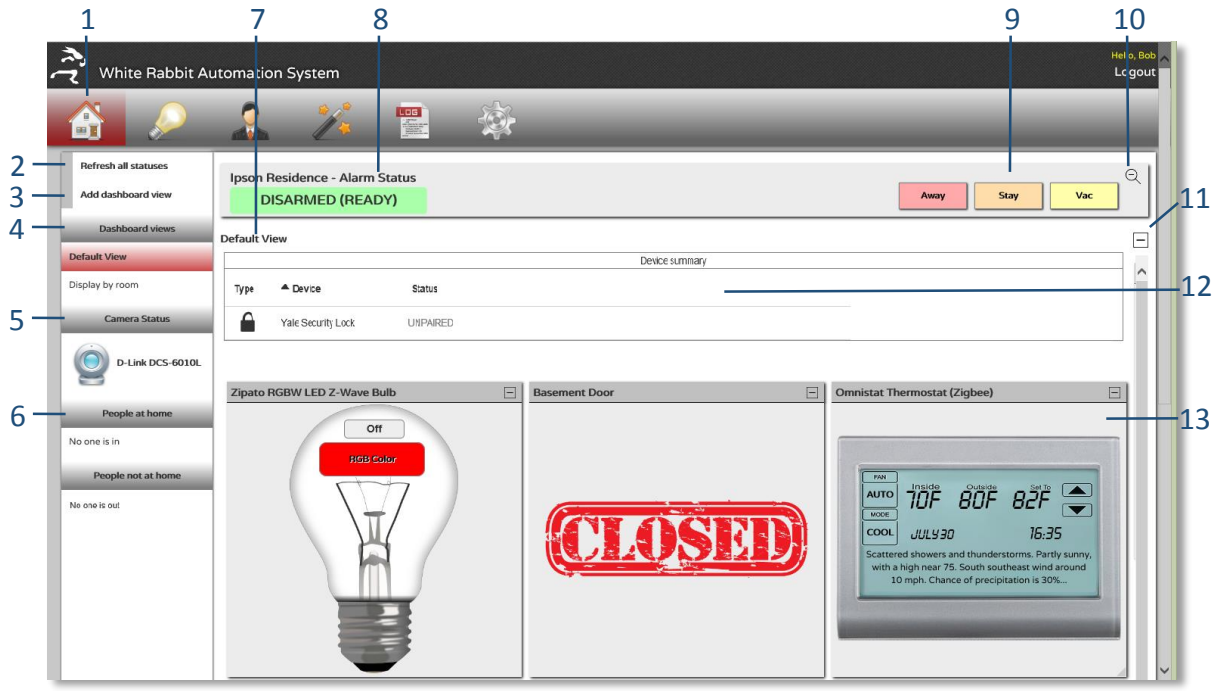
Admin

Clicking **Admin**  takes you to the Admin Panel. From here you can enter and change your user profile information to include: address, language, time zone, status light and chime notifications, temperature units, alarm system components tests, and system panel themes.

My Home Panel

To familiarize you with the **My Home** panel, Figure 5 and the table that follows provide a functional overview.

Figure 5: My Home Panel



My Home Panel	
Component Number	Component
1	**My Home** panel toolbar button – click to go to the **My Home** panel.
2	**Refresh all statuses** – click to load the current status of all devices, users, and areas from the smart hub. Please note that the system does automatically update device states as things change. This button simply forces a refresh of everything.
3	**Add dashboard view** – click to add a new dashboard view. **New View** displays, which is an editable box. See Adding a Dashboard View, page 15.
4	**Dashboard Views** – click to switch between views.
5	**Camera Status** – if a camera is streaming, a red ring flashes around the lens of the video camera icon. If you click on a video camera icon, a widget displays for the video camera on the **Devices** panel. See Video Camera, page 16.

My Home Panel	
Component Number	Component
6	**People at Home/People Not at Home** – you can get a status of the number of people at home or not at home. You can email or text message those people by clicking on the person's picture or name. See People Status, page 18.
7	**View** – the current dashboard you're looking at. You can click the name to edit.
8	**Alarm Status** – the state of the alarm system and related details. The statuses are: In Alarm, Disarmed (Ready), Disarmed (Not Ready), Disarmed (Was In Alarm), and Unknown. See In Alarm, page 20, and Disarming the System, page 21.
9	**Arming Options:** • **Away** – click this button to arm the selected area when you're about to leave your home and no one else is there. • **Stay** – click this button to arm the perimeter of the selected area, but you still want to be able to move about the interior of your home without setting off the alarm. • **Vac** – click this button to arm the selected area for when you're about to leave your home for a vacation and no one else is there. • **Reset** – the button can display if the smart hub is in an Unknown state. When you click this button, you're requesting that the smart hub go to a "clear" state. However, for the smart hub to be able to go to a "clear" state, all active security devices for that area must be ready to be armed. • See Arming the System for an Area, page 19.
10	**Collapse** – click this icon to collapse the view of an area on a dashboard.
11	**Remove** – click this icon to remove a view.
12	**Device Summary** – you can sort and select devices by **Type**, **Device**, and **Status** by clicking the column heading.
13	**Device** – click a device widget to perform functions with the selected widget, for example lock or unlock a door. See Devices Panel, page 23.

For devices that you choose to add to a dashboard through the Devices Panel, those devices will appear on the selected dashboard. On the **My Home** panel, you see both a **Device Summary** and the individual device icons.

On the **Device Summary**, you can sort devices by **Type**, **Device**, and **Status** by clicking the column heading. If you select a device from the summary, the related icon for the device displays, where you can click **Minus**  to remove the device from the **My Home** panel.

By default, alarm system devices display in the **Device Summary** view and home automation devices display in the icon grid. But, any device can be moved into or out of the **Device Summary** view with the **Show as summary only** option in the **Device Details** settings for a given device. In addition, devices assigned to the dashboard will either appear in the **Device Summary** view or in the icon grid, but not both.

Notes:

- Once you've saved an area, room, and device configuration on the Devices Panel, the area and room are automatically added to a dashboard so that they can be monitored and armed.
- Click **Refresh all statuses** on the sidebar to load the current status of all devices, users, and areas from the smart hub. Please note that the system does automatically update device states as things change. This button simply forces a refresh of everything.
- To collapse the view of an area on a dashboard, click **Collapse**  on the upper-right of the related area.

Adding a Dashboard View

To add a dashboard view to an area, do the following:

1. Click **Add dashboard view** on the sidebar. A **New View** appears under **Dashboard Views** on the sidebar.
2. Click **New View** on the sidebar. The **New View** is added to the **My Home** panel.
3. Click **New View** on the **My Home** panel. **New View** becomes an editable box.
4. Using your pointer, highlight **New View** and type the name you want for the new dashboard.

   Note: See Adding a Device to a Dashboard, page 35, for information on how to add devices to dashboards once you've created one or more dashboards.

5. Click the wanted view from the **Dashboard Views** to switch between views.

   Note: To remove a device from a view, click **Minus**  on the upper-right of the related device. To remove a view, click **Minus**  on the upper-right of the related view.

Display by Room

This option is to display all devices for a specific room.

To display rooms and related devices, do the following:

1. Click **Display by Room** on the sidebar. The rooms display on the **My Home** panel.
2. Click the room for which you want to view devices.

Notes:

- You get each device's status within the White Rabbit Automation System – for example, opened/closed, on/off, paired/unpaired, active/inactive, or a dial-shaped processing indicator which means the system is trying to read the state of the device. If you see a processing indicator for a given device, ensure it's properly paired and note the color of the status lights on the smart hub which might indicate an operational issue. See Status Lights, page 9, for additional information.
- To remove a device from a view, click **Minus** on the upper-right of the related device.

Video Camera

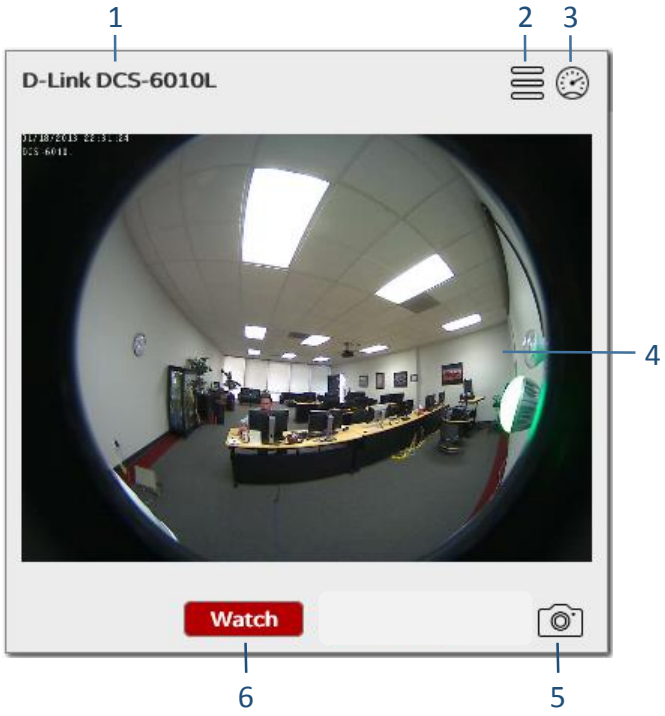
Under **Camera Status** on the sidebar of the **My Home** panel, if a camera is streaming, a red ring flashes around the lens of the video camera icon.

Figure 6: Camera Status

If you click on a video camera icon, a widget displays for the video camera on the **Devices** panel. To familiarize you with how a video camera operates and streams within the system, Figure 7 and the table that follows provide a functional overview.

Note: Privacy settings are controlled by the **When user is home, disable access to these cameras** and **User is allowed to view these cameras** options on the Users Panel, page 37.

Figure 7: Video Camera Widget



Video Camera Widget	
Component Number	Component
1	**Device Name** – what the device is called.
2	**Device Details** – click this icon to view and define specific operations for a given device to include the use of advanced options.
3	**Add to Dashboard** – click this icon to add the device to a dashboard view.
4	**Camera View** – the snapshot or video view from the selected camera.
5	**Update Snapshot** – click to capture a snapshot and update the snapshot used for the video camera widget.
6	**Watch** – click to view streaming video.

People Status

You can get a status of the number of people at home or not at home by looking at the **People at Home** and **People Not at Home** sections on the sidebar of the **My Home** panel. For the White Rabbit Automation System to determine the status of people (in or out), the people must have user accounts created in the system and have their smartphones on and within their proximity.

Notes:

- The visibility of a person's status is controlled by the **Track in/out status** and **Display in/out status on dashboard** options on the Users Panel, page 37.
- The smartphone's address must be registered either through the mobile app or through the Users Panel, page 37.

Emailing and Text Messaging Users

You can email or text message those people who have user accounts within the White Rabbit Automation System.

To email or text message someone, do the following:

1. Click on a person's picture or name under **People at Home** or **People Not at Home** on the **My Home** panel sidebar. The contact dialog box appears.
2. Select either **Contact Using SMS** (short message service, meaning a text message) or **Contact Using Email**.
3. Type the message in the box and then click **OK** to send the message.

Arming the System for an Area

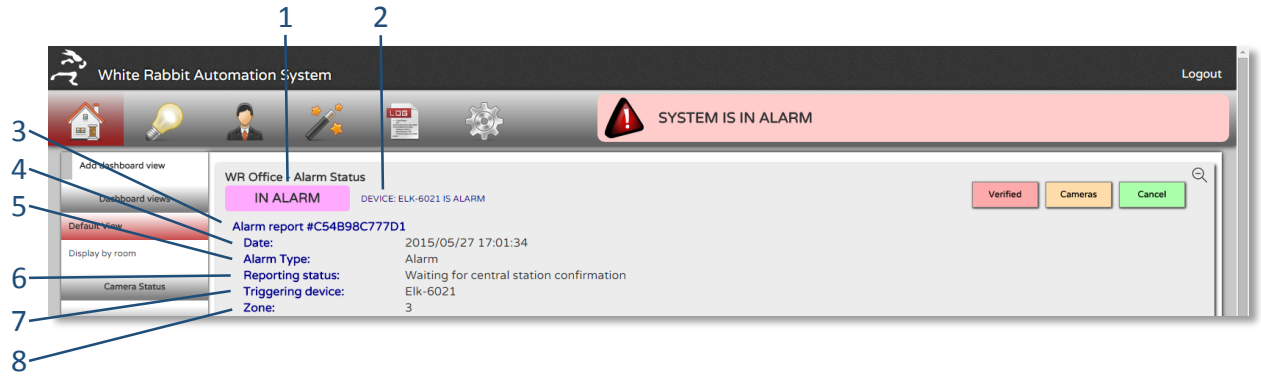
The following list is the arming options when you're on the **My Home** panel. For all of these options, the related devices operate based on how you've configured them on the Defining Area Details (page 25), and on the Devices Panel (page 23), Users Panel (page 37), and Actions Panel (page 41). Once the system is armed, an alarm occurs if any part of the armed area is compromised, that is to say, should an unauthorized access occur.

- **Away**
  - Click this button to arm the selected area when you're about to leave your home and no one else is there.
  - With this option, devices will operate based on how you've configured them using actions. For example, you can have lights go on once you get within proximity of your home.
  - Once you click **Away**, the alarm begins to arm itself. The **Arming System Away** dialog box displays a countdown of the time you have to enter, exit, or cancel based on your settings using the Defining Area Details, page 25. Once the countdown completes, the area status goes from **Arming** to **Armed (Away)**.
- **Stay**
  - Click this button to arm the perimeter of the selected area, but you still want to be able to move about the interior of your home without setting off the alarm.
  - With this option, devices will operate based on how you've configured them using actions. For example, the **Stay** option automatically arms when everyone is home.
  - Once you click **Stay**, the alarm begins to arm itself. The area status goes from **Arming** to **Armed (Stay)**. Once armed, how the **Stay** option operates depends on your settings using the Defining Area Details, page 25.
- **Vac**
  - Click this button to arm the selected area for when you're about to leave your home for a vacation and no one else is there.
  - With this option, devices will operate based on how you've configured them using actions. For example, you can have lights go on and off at certain times of the day to give the appearance that someone is at your home.
  - Once you click **Vac**, the alarm begins to arm itself. The **Arming System Away** dialog box displays a countdown of the time you have to enter, exit, or cancel based on your settings using the Defining Area Details, page 25. Once the countdown completes, the area status goes from **Arming** to **Armed (Vac)**.

In Alarm

When your system is **In Alarm**, that means one or more of your security devices has been compromised and the **My Home** panel displays an **Alarm Status**. To familiarize you with an alarm status, Figure 8 and the table that follows provide an alarm overview.

Figure 8: Alarm State – My Home



Alarm State	
Component Number	Component
1	**IN ALARM** – this is the alarm status.
2	**DEVICE** – the device that has been compromised.
3	**Alarm Report** – this is the report number generated for the alarm and is sent to the central station.
4	**Date** – the date and time the alarm occurred.
5	**Alarm Type** – the kind of alarm that's in progress, for example, alarm, fire, in distress, and so on.
6	**Reporting status** – the status on the response to the alarm, for example, waiting for central station confirmation. This status only applies if your system is professionally monitored.
7	**Triggering Device** – the device that triggered the alarm.
8	**Zone** – each alarm-type device can be assigned a zone number, this number can be used by you or the alarm central station (in addition to the device name) to uniquely identify the device that was triggered.

"In Alarm" Options

An alarm notification is sent to the central station and you have the option to verify the alarm, go to a camera view on the Devices Panel, page 23, (if you've installed any cameras), or cancel the alarm if you've determined it to be a false alarm.

When **In Alarm**, you can manage the alarm by clicking one of the following buttons on the **My Home** panel.

- **Verified** – Click this button to confirm with the central station that the alarm is valid.
- **Cameras** – If you have cameras stationed throughout your home, clicking this button switches to the Devices Panel (page 23) and turns on the filters for cameras.
- **Cancel** – Click this button only if you've determined that the alarm is a false alarm.

Disarming the System

When your system is armed, you can deactivate the system by clicking **Disarm** on the **My Home** panel. When you disarm the system from any of the armed states, the area status can become one of the following. And, the status indicated depends on the current state of your devices and the state of the connection between the smart hub and your devices.

- **Disarmed (Ready)**
  - This area status indicates that your system is currently disarmed.
  - Your system is working properly and all related active security devices are in a "ready to be armed" state.
- **Disarmed (Not Ready)**
  - This area status indicates that your system is currently disarmed.
  - Your system is working properly, but one or more of your active security devices aren't ready to be armed. For example, an active door/window sensor is open, so the system can't be armed.
  - Devices that are not ready will display next to the "Not Ready" indicator. If more than one device isn't ready, the system will cycle through them one at a time.
  - If your system's in a "not ready" state, look to the **My Home** panel to get quick view of your security devices to determine their individual statuses.

- **Disarmed (Was in Alarm)**
    - This area status indicates that your system is currently disarmed, but was **In Alarm**.
    - If your system was **In Alarm**, look to the **My Home** to get quick view of your security devices to determine their individual statuses. For example, you might have to close a door/window sensor before you can get the system back to a **Disarmed (Ready)** state.
    - The state can be set back to **Ready** by clicking the **Reset** button. Please note that even after an alarm is cleared the alarm details remain on the **My Home** panel until this state is cleared and reset.

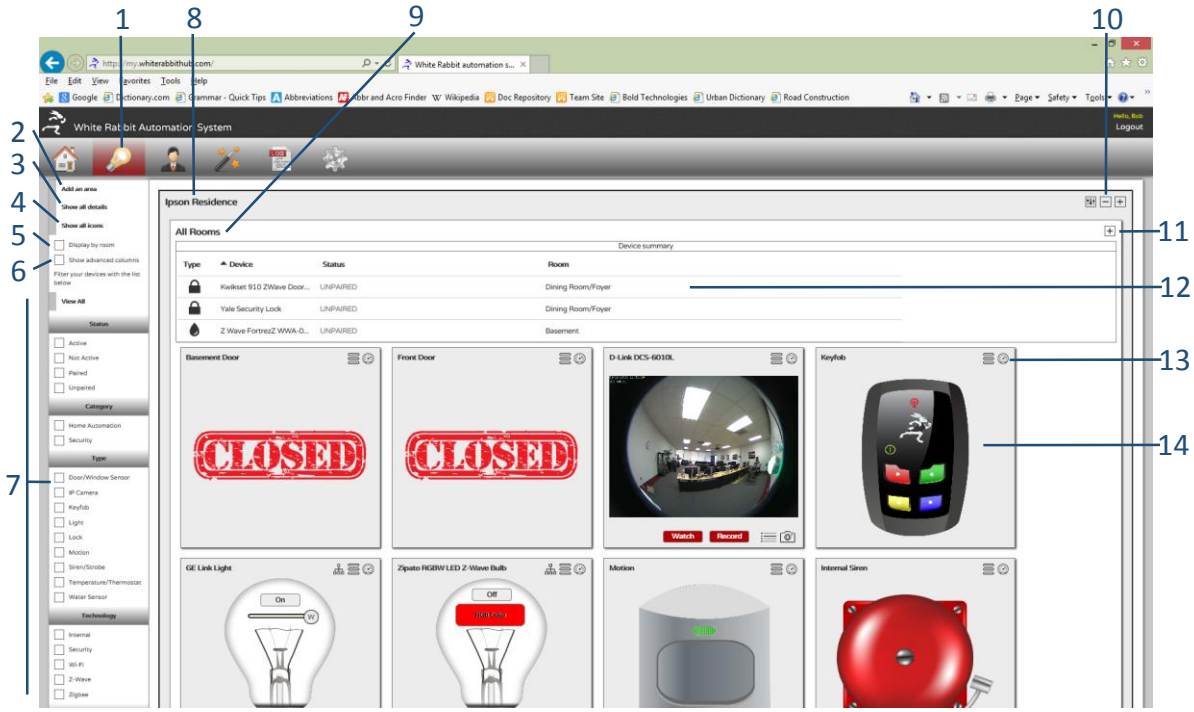
Resetting the System (Unknown Status)

The **Reset** button can display on the **My Home** panel if the smart hub is in an **Unknown** state. When you click this button, you're requesting that the smart hub go to a "clear" state. However, for the smart hub to be able to go to a "clear" state, all active security devices for that area must be ready to be armed. For example, all door/window sensors must be closed.

Devices Panel

To familiarize you with the **Devices** panel, Figure 9 and the table that follows provide a functional overview.

Figure 9: Devices Panel



Devices Panel	
Component Number	Component
1	**Device** panel toolbar button – click to go to the **Device** panel.
2	**Add an area** – click to add a new area. A **New Area** pane displays, which is an editable box. See Adding an Area, page 25.
3	**Show all details** – click to display the details for a device. See Defining Device Details, page 30.
4	**Show all icons** – click to exit the details mode and get a quick visual status for each device.
5	**Display by room** – click to display the **Device Summary** and device widgets by room. To merge the view, clear this option.

Devices Panel	
Component Number	Component
6	**Show advanced columns** – click to add the following columns of information to the **Device Summary**: **Zone**, **Tech**, and **Driver**. Each alarm-type device can be assigned a zone number, this number can be used by you or the alarm central station (in addition to the device name) to uniquely identify the device that was triggered. “Tech” is the type of wireless technology used by the device. A driver is the type of software driver (software interface to hardware devices) used by the device.
7	**Filters** – select from the filters within each category to change and filter your view. See Viewing and Filtering Devices, page 35.
8	**Area** – the current area you’re looking at. You can click the name to edit.
9	**Rooms** – the current room(s) you’re looking at. You can click the name to edit.
10	**Area Controls** – click the **Equalizer** to define area details. Click the **Minus** to remove an area. And, click the **Plus** icon to add a room to an area. See Defining Area Details, page 25, and Adding a Room, page 27.
11	**Add a Device** – click the **Plus** icon to add a device to a room. See Adding and Pairing a Device, page 28.
12	**Device Summary** – you can sort and select devices by **Type**, **Device**, and **Status** by clicking the column heading. Additionally, by clicking on a device you can expand and collapse the widget for the selected device. See Viewing and Filtering Devices, page 35.
13	**Device Controls** – click the **Device Details** icon to view and define specific operations for a given device to include the use of advanced options. See Defining Device Details, page 30. Click the **Add to Dashboard** icon to add the device to a dashboard. See My Home Panel, page 13.
14	**Device** – click a device widget to perform functions with the selected widget, for example lock or unlock a door.

To add a device, you first need to add at least one area and one room. You had to create at least one area during your user account setup. However, in these steps, you’ll start with adding an area. A typical home will only have one area, which would generally refer to the dwelling itself. Larger homes may have additional areas, such as "barn" or "guest house." Rooms then further subdivide areas within a home.

Adding an Area

To add an area, do the following:

1. Click **Devices**  on the **White Rabbit Automation System** toolbar.
2. Click **Add an Area** on the sidebar. A **New Area** pane appears.

   Note: Upon clicking **Add an Area**, you're prompted with the save configuration dialog box to save the configuration you've started. It's recommended that you don't save your changes until you've completed all of the steps and you're satisfied with the new configuration. If you change your mind during the configuration you can simply cancel it.

   Figure 10: Save Configuration Dialog Box

3. Click **New Area**. This becomes an editable box.
4. Using your pointer, highlight **New Area** and then type a name for your area in the box, for example, "Our Home."
5. Continue with the following subsection.

Defining Area Details

Notice on the upper-right of the area pane there are three icons. The **Equalizer**  is for defining area details. The **Minus**  is for removing the area. And, the **Plus**  is for adding a room to the area.

To define area details, do the following:

1. Click **Equalizer**. The area details display on the area pane.
2. Define your area details. See the following subsection, Area Details Options, page 26, for information on these options.
3. Once you've finished defining area details, proceed with Adding a Room, page 27, to add a room to the area.

Area Details Options

The following list defines the options for the area details.

Area Number – Lists the number for this area. For example, if this is the third area you've added it would be *3*.

Auto-Arm as Users Enter/Exit – If selected, when the first person recognized by the system approaches the home, the alarm disarms. Similarly, when the last person identified by the system leaves the home, the system automatically arms.

Alarm Entry Time (Secs) – The amount of time you have to disarm the alarm upon entry. This option can still apply even if you're using the auto arm/disarm option. You might want to provide someone limited access to your home, for example, a babysitter. Or, the "Alarm Entry Time" would apply if a user's smartphone goes dead.

Alarm Exit Time (Secs) – The amount of time you have to exit before the alarm arms itself. This option can still apply even if you're using the auto arm/disarm option. You might want to provide someone limited access to your home, for example, a cleaning service. Or, the "Alarm Entry Time" would apply if a user's smartphone goes dead.

Addl Delay on Wi-Fi Loss (Secs) – Provides a certain amount of additional time before auto-arming if a user has a smartphone that has trouble maintaining a connection to the home Wi-Fi. This might be due to a poor antenna on the smartphone or it might be due to Wi-Fi not covering the home very well.

Auto Arm Stay Min Threshold (Mins) – Provides a certain amount of additional time before auto-arming in Stay mode to ensure that all members of the family are in fact in the home. For example, one or more people could be outside the home with their smartphones, but within proximity of your internet modem or router and smart hub, therefore giving the system a false positive that everyone is in the home and to arm.

Auto Arm Away Schedule – The specific time interval that the system is allowed to "Auto Arm Away." If outside that schedule, the system won't automatically "Arm Away," even if everyone's left the home.

Auto Arm Stay Schedule – The specific time interval that the system is allowed to "Auto Arm Stay." If outside that schedule, the system won't automatically "Arm Stay," even if everyone's at home.

Auto Arm Stay Start Type – This option provides additional preferences you can set for the automatic arm start for when you're in.

Auto Arm Stay End Type – This option provides additional preferences you can set for the automatic arm stop for when you're in.

Report Opens and Closes? – If selected, a report is sent to the central station, for example, when a sensor signals a door or window has been opened or closed on the home.

Adding a Room

1. Click **Plus** ⊞ on the area pane to add a room once you've defined your area details. The **New Room** dialog box appears.
2. Type the name for the room in the **Room Name** box, for example, "Entrance."
3. Scroll through the list of default images and select one, or perform a drag-and-drop operation with one of your own images, and then click **OK**. The room you just created displays on the **Devices** panel.
4. Click **Save** on the save configuration dialog box (just below the toolbar). See Figure 10, page 25.

   Note: You can edit the room name by clicking it.

5. Proceed with Adding and Pairing a Device, page 28, to add a device to a room.

   Note: There are similar icons on the upper-right of the room pane as there are on the area pane. The **Minus** ⊟ is for removing the room. And, the **Plus** ⊞ is for adding a device to the room.

Changing the Image for a Room

If you want to change the image for a room, do the following:

1. Click the room image. The **View/Modify Room Image** list box appears.
2. Scroll through the list of default images and select one, or perform a drag-and-drop operation with one of your own images, and then click **OK**. The updated image displays in the room pane.

   Note: To remove an image, click the image on the room pane and select **Remove Room Image** from the **View/Modify Room Image** list box. At this point, you can stay with the default image or select another one.

Adding and Pairing a Device

"Adding" adds a device to a room. "Pairing" associates the smart hub with a device that has been added. This distinction is important because the system has been designed this way so that a failed hardware device can be swapped and replaced without ever having to remove the virtual device in White Rabbit. This prevents having to remove and add actions at the Actions Panel when hardware is replaced.

If you don't have the device yet, but want to save the initial setup and "position" the device within the White Rabbit Automation System you can still proceed with these steps.

1. Click **Plus** to add a device on the room pane. The **Add Device** list box appears.
2. Scroll and select the device category you want and then click **Next**. As an example for these steps, we'll select **Switch**. Different types of switches are displayed in the list box.

   Notes:

   - This is a scrollable list of devices you can add. You can also search for devices using the **Search** box. The list automatically updates from the cloud. And, if the device displays in this list, then you know that it's compatible with the smart hub. If you already have the device, you can simply add it using these steps.
   - If you don't have the device you want to add, click **Buy This Device Now** to purchase the device and pair it to the smart hub once you've received it. If you elect to purchase online through this list box, you're taken to a sales site determined by your dealer or White Rabbit Electronics.
3. Select the specific switch that you want to add.
4. Click **Next**. The all done dialog box appears and indicates that you've successfully configured the device.

   Note: On the all done dialog box is the **Proceed Directly to Linking My Hardware** check box selected as a default. If you have the hardware installed, leave this check box selected. If you don't have the physical device yet, but you want to save the initial setup and "position" the device within the White Rabbit Automation System, clear this check box.

5. Click **Done**. The device is displayed on the room pane. If you're saving the configuration, but you don't have the device yet, the device image has **Unpaired** across it.
6. Click **Save** on the save configuration dialog box (just below the toolbar). See Figure 10, page 25.

Notes:

- Depending on the device, some devices display a battery strength indicator on the lower-left of the device widget. If the device goes into a suspend mode to conserve the battery, and then you attempt to use the device, you're prompted and guided through "waking up" the device, where the system obtains the current configuration, and verifies the configuration was saved.
- Once you save a configuration, the area and room are automatically added to the My Home Panel so that they can be monitored and armed.

Calibrating Locks

If you have trouble with a lock within the system, see the lock manufacturer's instructions on how to calibrate the limits of a lock as this is most likely the issue.

Associating Devices

Some devices can be associated with one another so that there's a parent/child relationship. The "parent" device controls the "child" or "children" devices. For example, you can have one smart bulb be the "parent" device and other smart bulbs be the "children" of that device.

So, when the "parent" smart bulb is turned on or off, the "children" smart bulbs behave the same way.

If the device is a candidate for being associated with other devices, the **Association** icon displays next to the device widget.

For devices that can be associated, they must meet the following criteria:

- The devices must be paired
- The devices must be the same technology (ZigBee or Z-Wave)
- The devices must be active
- There must be at least two devices so one can be associated with the other

The following list shows the devices that can be associated and their relationships:

- **Door/Window Sensor** – can control smart bulbs and switches
- **Motion Detector** – can control smart bulbs and switches
- **Smart Bulb** – can control other smart bulbs as well as switches
- **Switch** – can control other switches as well as smart bulbs
- **Thermostat** – can control other thermostats

To associate devices, do the following:

1. Select a device.
2. Click **Associations** .
3. Under **This device controls the following**, select the check box for each device listed you want this device to control.

   Note: If this device is controlled by another device, the controlling device is listed under **This device is controlled by**.

Defining Device Details

Clicking the **Device Details** icon is where you can view and define specific operations for a given device to include the use of advanced options.

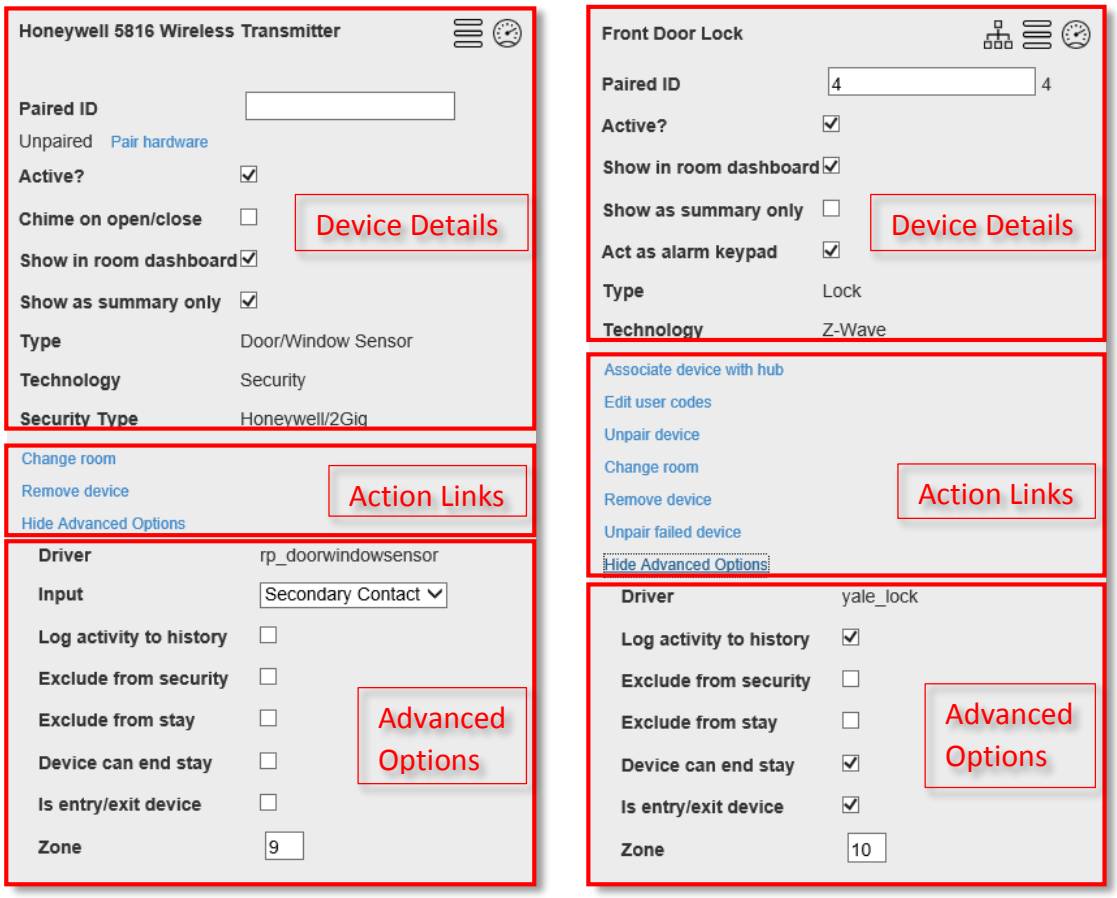
To view and define specific operations for a device, do the following:

1. Select a device.
2. Click **Device Details** .
3. Click **Show Advanced Options**.

   The details for the selected device appear and are basically divided into three sections: device details, action links, and advanced options. You use these device details to view information about the device and to modify how the device operates within the system. Refer to the figure on the following page.

   Note: Device details can vary per device.

Figure 11: Device Details Example Panes



Device Details

The device details section provides a summary of the device specifications such as the make and model number of the device, the paired ID for the device, the type of device, and the technology used for the device. Depending on the device, you can have other selectable options such as whether or not to have the device active within the system.

Action Links

The action links section provides you the ability to: manually associate or re-associate a device with the smart hub should the connection fail for any reason, create User Codes (which grant limited access to your home), unpair a device (to include a forced unpair), change the room in which a device is located, and remove a device from the system.

Advanced Options

The advanced options section lists the device driver and selectable options that vary depending on the device type. For example, an option might be to exclude the device from the security system or indicate the device is located at an entry/exit point.

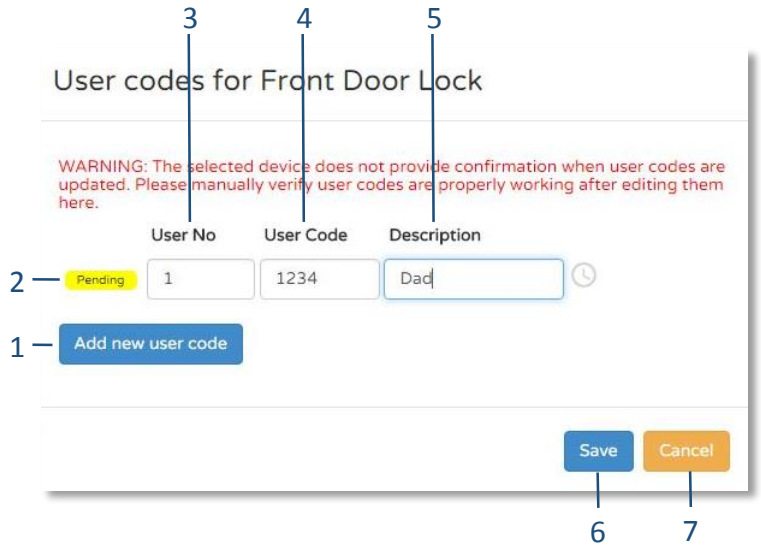
For security devices and door/window sensors that have a hard-wire contact and reed switch, you can select the **Input**. The system will typically default most **Input** contact options, so you won't have to choose. However, this option allows you to specify whether you want to use the Primary or Secondary Contact. Typically, a hard-wire contact is a **Primary Contact** and a reed switch is a **Secondary Contact**. Wireless devices are typically set to **Secondary Contact** as well.

For hard-wire security devices and door/window sensors, you can also choose **Reversed Primary**, which will reverse the open and close state, as needed for the device.

User Codes

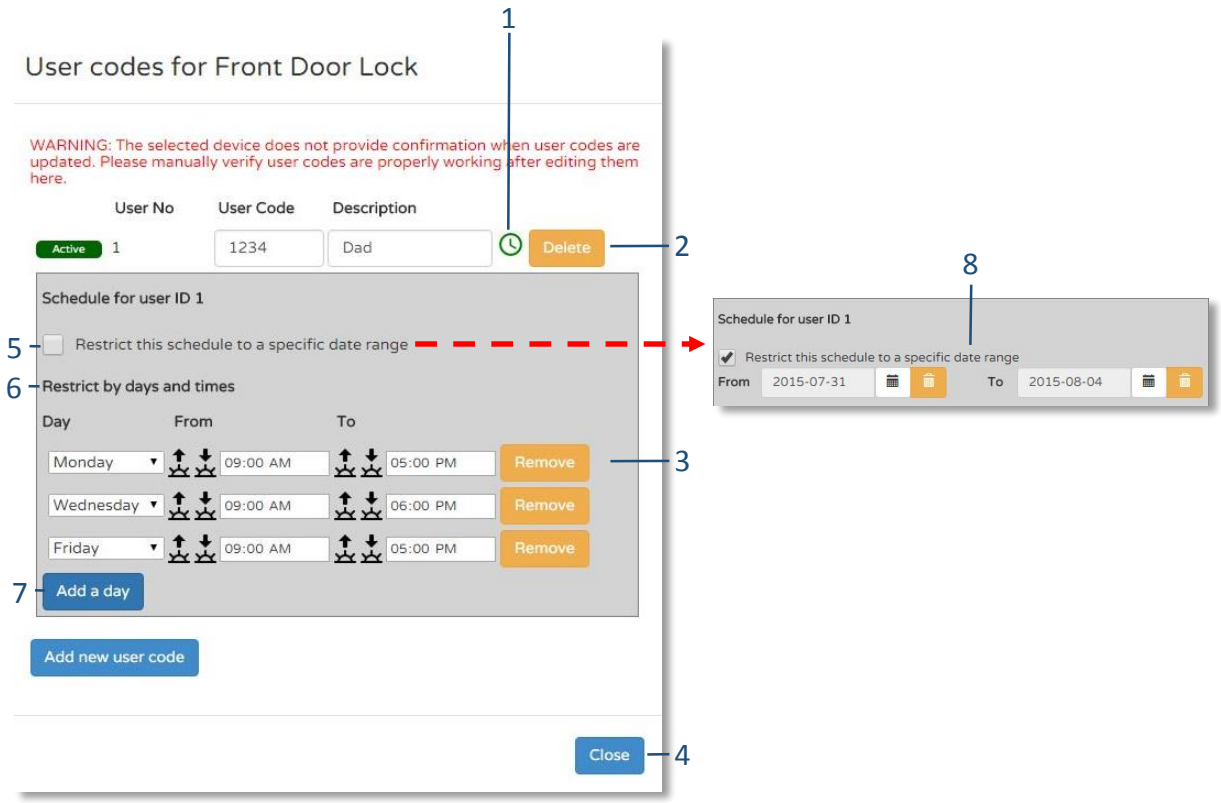
User codes are for locking devices that have security keypads. Special attention is given to user codes because they give you the option to provide restricted access to individuals to your home, for example, a cleaning service or pet walker. When you click the **Edit User Codes** link, the initial User Codes dialog box appears. To familiarize you with creating User Codes, the following screen shots and related tables provide a functional overview.

Figure 12: User Codes – Add a New User Code



User Codes	
Component Number	Component
1	**Add new user code** – click this button to add a user code.
2	**Status** – the status of the user code, which can be the following: **Pending**, which means a user code is in the process of being created and not yet saved; **Active**, which means the user code is inside its set schedule and in effect; **Inactive**, which means the user code is outside of its schedule and not in effect.
3	**User No** – this is a unique number that you assign to users who you are granting limited access to your home. Once you assign a number to a user and **Save**, it can't be changed.
4	**User Code** – this is the actual code that you assign to a user that the individual would keypad in to gain entry to your home.
5	**Description** – this is to characterize the user, for example, Pet Sitter.
6	**Save** – click to keep the user code.
7	**Cancel** – click to stop the creation of the user code, which won't be saved.

Figure 13: User Codes – Set Time Restriction



User Codes	
Component Number	Component
1	**Schedule Icon (clock)** – click this icon to display the settings for date range and days/times you would like the user code to be in effect. Date range and days/times can be used singularly or collectively.
2	**Delete** – click to remove a user code.
3	**Remove** – click to delete a day/time specification.
4	**Close** – click to close the user code dialog box.
5	**Date Range check box** – select to open the date range option. See component 8 in this table for additional details.
6	**Restricted by days and times**: • Click to select a **Day** of the week. • Click the hours, minutes, and A.M./P.M. sections to **enter a time**. You can use the arrows next to the box or your keyboard to type and adjust times. • Click to set the time to **sunrise/sunset**. These times are determined by the geographic coordinates based on your address, the time zone you selected, and daylight-saving time (if applicable) during your account setup.
7	**Add a day** – click to include another day to the schedule.
8	**Date Range:** • Click the **Open calendar** icons to select and enter valid **From** and **To** dates. • Click the **Clear from date** (trash can icons) to delete dates. • See component 5 in this table for additional details.

Adding a Device to a Dashboard

Clicking the **Add to Dashboard** icon is where you add the device to a dashboard. For details on what you can do with a device once it's been added to a dashboard, see My Home Panel, page 13.

To add a device to a dashboard, do the following:

1. Click **Add to Dashboard** for the device you want to add to a dashboard or dashboards. The **Add a Device to a Dashboard** list box appears (if you have two or more Dashboards).

   Notes:

   - If you haven't chosen to add a dashboard view prior to these steps, the only option available is the dashboard **Default View**.
   - The last viewed dashboard is preselected (if you have two or more Dashboards).
2. Select the check boxes from the **Add a Device to a Dashboard** list box for the corresponding dashboards you want to add the device to and then click **OK**. The device is added to the selected dashboards.

Configuring Devices

The **Device Configuration** icon displays for some devices that need additional configuration, for example, the device is battery powered, or it senses water or a temperature range. The configuration varies per device and the online forms walk you through the steps.

Viewing and Filtering Devices

On the **Devices** panel, you see both a **Device Summary** and the individual device widgets. On the **Device Summary**, you can sort devices by **Type**, **Device**, and **Status** by clicking the column heading.

By default, when you add a security device, it's listed in the **Device Summary** for that room. If you want to remove the device from the summary and have it display as a widget only, click the device in the summary list. The device widget appears to the right of the summary. Next, click **Device Details** for that widget and clear the option, **Show as summary only**. Conversely, if you only want to display the device in the summary, click **Device Details** for the widget and select the option **Show as summary only**. Additionally, by clicking on a device in the **Device Summary** you can expand and collapse the widget for the selected device.

Using the sidebar of the **Devices** panel, you can change and filter your view as follows:

- Click **Show all details** to display the details for each device as explained in the section, Defining Device Details, page 30.
- Click **Show all icons** to exit the details mode and get a quick visual status for each device. If you see a dial-shaped processing indicator for a given device, ensure it's properly paired and note the color of the status lights on the smart hub, which might indicate an operational issue. See, Status Lights, page 9, for additional information on operational status issues.
- Click **Display by room** to display **Device Summary** and device widgets by room. To merge the view, clear this option.
- Click **Show advanced columns** to add the following columns of information to the **Device Summary**: **Zone**, **Tech**, and **Driver**. Each alarm-type device can be assigned a zone number, this number can be used by you or the alarm central station (in addition to the device name) to uniquely identify the device that was triggered. "Tech" is the type of wireless technology used by the device. A driver is the type of software driver (software interface to hardware devices) used by the device.
- Additionally, you can filter devices by the following categories: **Status**, **Category**, **Type**, **Technology**, and **Room**. To clear any of these, click **View All**. Additionally, the following banner displays near the top of the panel from where you can clear filters.

Figure 14: Device Filter Banner

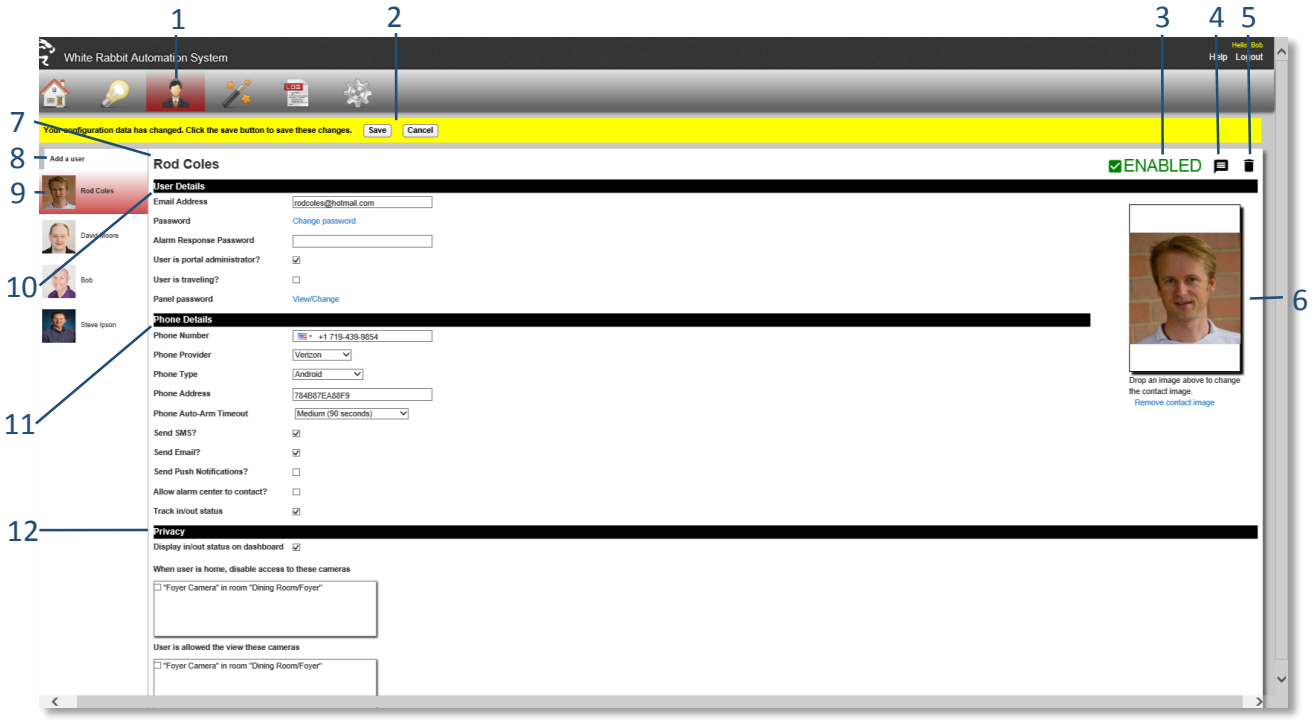
Users Panel

On the **Users** panel you can add, modify, and delete user profiles. The first person to create a user account on the White Rabbit Automation System becomes the default administrator and other users, standard and administrator, can be created by this user.

Note: If you're not an administrator, you may only see and edit your own user account (with some options removed, like the ability to assign the administrator role to yourself).

To familiarize you with the **Users** panel, Figure 15 and the table that follows provide an overview of what can be done at the **Users** panel.

Figure 15: Users Panel



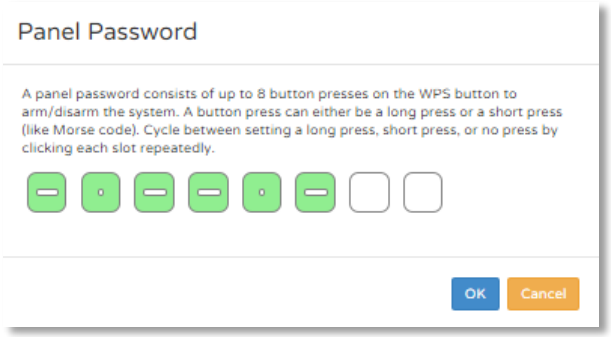
Users Panel	
Component Number	Component
1	**Users** panel toolbar button – click to go to the **Users** panel.
2	**Save configuration** dialog box – prompts you when you've taken a step that needs to be saved.
3	**Enabled/Disabled** toggle – click to enable/disable a user. You must have administrator privileges for this action.

4	**Contact this user** (text message icon) – click to send emails and text messages to users within the White Rabbit Automation System. Privileges as established by an administrator determine the availability of this option.
5	**Delete this user** (trash can icon) – click to delete a user profile within the White Rabbit Automation System. You must have administrator privileges for this action.
6	**User image** – perform a drag-and-drop operation with one of your own images. The image will replace the default image at this panel and on the My Home Panel. You also have the option to delete an image.
7	**User Name** – the name for the user selected from the sidebar. You can edit the user name by clicking it. The update also occurs for the user icon. You must have administrator privileges for this action.
8	**Add a User** – click to add a user to the White Rabbit Automation system. When you click **Add a User**, a **New User** icon displays on the sidebar, representing the user you're about to create. If you add an image for this user, the default image is replaced with the one you add. See components 6 in this table.
9	**User Icon** – an icon which represents a user who's part of the White Rabbit Automation System.
10	**User Details**
	Email Address – type the email address of the user in this box. Your email address is your user name at login and must be valid to receive system alerts.
	Password – click **Change Password** to update the user password. The **Change Login Password** dialog box displays where you type and confirm the new password.
	Alarm Response Password – type the password you want to use to confirm that you're the home owner should the central station call in the event of an alarm.
	User is Portal administrator? – select this check box if you want the user to have full control of the White Rabbit Automation System, to include cameras, and the ability to add, modify, and delete devices and options.
	User is Traveling? – select this check box if the user is away for some period of time. In selecting this option, this removes the user as potential dependency for arming/disarming functions of the alarm system. When the user returns, you can clear the selection.

	Panel Password – click **View/Change** to add, modify, or delete a panel password. When you click **View/Change**, the **Panel Password** dialog box appears. This password is used to arm/disarm the White Rabbit Automation System. The arm/disarm is performed by a series of long and short presses of the "WPS and Arm/Disarm Combination" button on the smart hub, similar to Morse Code. See Figure 16, immediately following this table.
11	**Phone Details** **Note: Phone Type** and **Phone Address** don't have to be entered in the system, which are automatically loaded when a user registers their smartphone with the system. The **Phone Provider** is attempted, but isn't always available, and is never available for devices without cellular functionality. And, the **Phone Number** is never provided and must be typed in by you.
	Phone Number—type the phone number of the user in this box.
	Phone Provider – select the phone service provider of the user from the drop-down list box.
	Phone Type – select the manufacturer and/or model of the user's phone from this drop-down list box.
	Phone Address – type the Wi-Fi MAC ID (wireless fidelity media access control identification) of the user's phone. This address is how the White Rabbit Automation system tracks users entered in this system.
	Phone Auto-Arm Timeout – select the time in seconds or minutes in which the system should automatically arm itself should you be the last person to leave the home and you forget to arm the system. This should be set per user and users must have their smartphones on and within their proximity for this to work.
	Send SMS? – select this check box if you want the user to have the option to receive text messages (short message service) from users within the system.
	Send Email? – select this check box if you want the user to have the option to receive emails from other users within the system.
	Send Push Notifications? – select this check box if you want the user to have the option to receive push notifications about your White Rabbit Automation System on the user's smartphone. Users must have the appropriate application installed on their smartphones to receive such notifications.
	Allow Alarm Center to Contact? – select this check box if you want this user to be able to be contacted by the alarm center in the event of an alarm.
	Track In/Out Status – select this check box if you want the status of the user (in or out of the home) to be recorded at the Log Panel, page 63. Users must have their smartphones on and within their proximity for this to work.

12	Privacy Section
	Display In/Out Status on dashboard – select if you want users in/out status displayed on the My Home Panel. Users must have their smartphones on and within their proximity for this status.
	When User Is Home, disable Access to These Cameras – if you have cameras installed, you can select which cameras should be enabled or disabled. Users must have their smartphones on and within their proximity for this to work. And, you must have administrator privileges for this action.
	User Is Allowed to View These Cameras – if you have cameras installed, you can select which cameras users can view within the White Rabbit Automation System. You must have administrator privileges for this action.

Figure 16: Panel Password



Actions Panel

The **Actions** panel is the focal point of the White Rabbit Automation System where automated actions of devices and alarm handling is performed. As stated in the overview of this guide, you can select from prebuilt scenarios or add and personalize your own actions for devices and alarm handling. And, you can add and personalize schedules that you can apply to those actions.

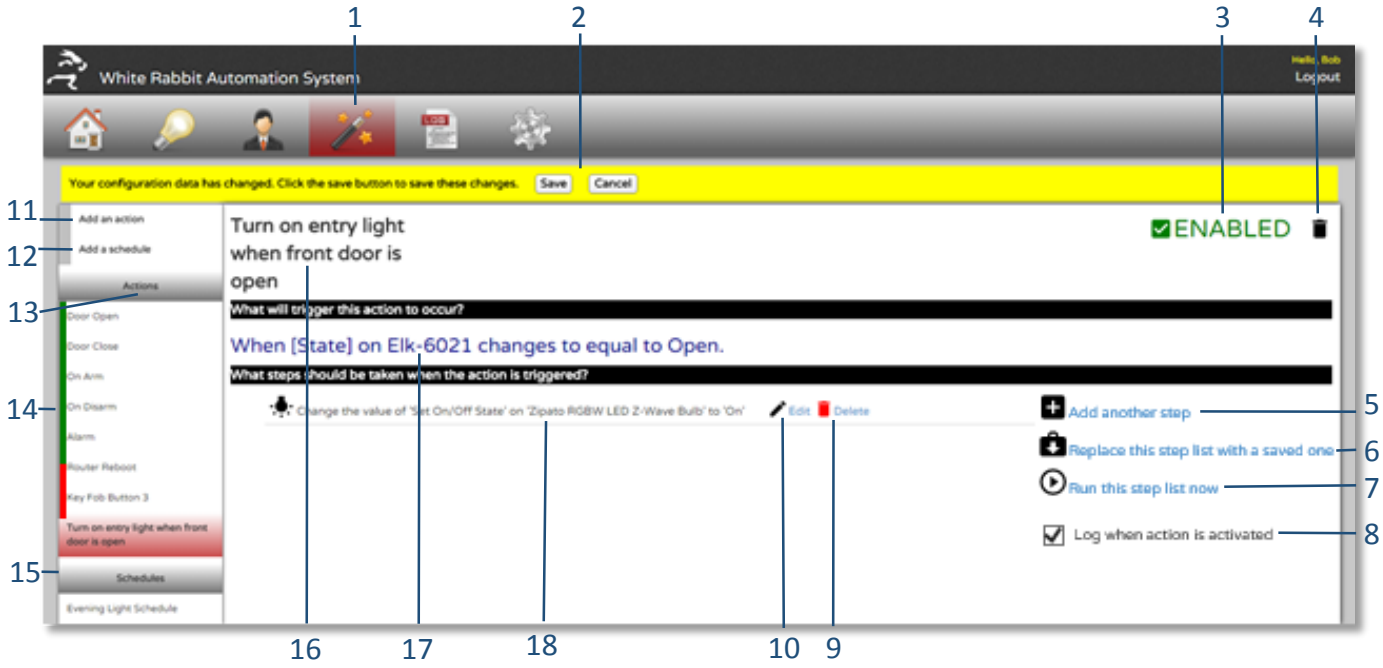
An “action” is the result of a “trigger” and related “steps” being initiated. For example, a trigger could be an “open” state on a door, and the steps could be that if it’s an authorized opening of the door, turn on the entryway lights, take a picture, and send a notification to you by text message.

You have a wide range as to the types of actions and schedules you can create for devices and alarm handling. There are:

- Dynamic lists of devices with their individual technologies and methods of operation
- Prebuilt and manual (personalized) actions and schedules for devices
- Triggers for actions and steps that will be taken once an action is triggered by a device
- Steps that can be added and modified for actions
- Activators which are what causes a trigger to be activated
- Alarm conditions which are states the alarm should be in before a trigger is activated
- Additional device constraints
- Additional scheduling constraints
- Enable and disable options

To familiarize you with the **Actions** panel, Figure 17 and the table that follows provide a functional overview of what can be done at the **Actions** panel.

Figure 17: Actions Panel



Actions Panel	
Component Number	Component
1	**Actions** panel toolbar button – click to go to the **Actions** panel.
2	Save configuration dialog box – prompts you when you've taken a step that needs to be saved.
3	**Enabled/Disabled** toggle – click to enable/disable an action. The action is saved regardless of status.
4	**Delete this action** (trash can icon) – click to delete an action.
5	**Add another step** icon – click to add another step to your current steps. When you click this icon, it initiates the "create and modify" actions options.
6	**Replace this step list with a saved one** icon – click to replace the current steps linked to this action with other steps you've created and saved. When you click this icon, it initiates the replace option.
7	**Run this step list now** – click this to perform a test run of the action you created.
8	**Log when action is activated** – select this check box to record at the Log Panel, page 63, when this action is triggered.

Actions Panel	
Component Number	Component
9	**Delete** (trash can icon) – click to delete the step. To see this icon you must point to the line of the step you want to delete.
10	**Edit** icon – click to edit the step. When you click this icon, it initiates the "create and modify" actions options.
11	**Add an action** – click to add a new prebuilt scenario or a manual (personalized action).
12	**Add a schedule** – click to add a schedule. **NewSchedule** appears in the Schedules pane. Click **NewSchedule** to start Adding a Schedule, page 61.
13	**Actions** section – the list of actions you've created.
14	**Status Bar** – a visual queue that indicates which actions listed in the **Actions** section are enabled or disabled. A green vertical bar indicates enabled and a red vertical bar indicates disabled.
15	**Schedules** section – the list of schedules you've created.
16	The description for the action. Click the description to edit it.
17	A summary of the trigger which will initiate the steps and/or action. When you click the trigger line, it initiates the "create and modify" trigger options for editing.
18	A summary of the steps for the action to be triggered. Additionally, steps can be reordered using a drag-and-drop operation.

Configuring an Action – Overview

As you manually configure actions, triggers, and steps, the configuration can consist of one or more of the following elements. Triggers are the "cause" and steps are the "effect," collectively resulting in an action.

Activators and Triggers

Activators are what initiate triggers. The following is the list of main activator categories and related triggers you can select from within the White Rabbit Automation System:

On an Alarm System Event

An alarm system event is a state or condition the alarm system can be in. When you select an alarm condition to be used as a trigger, the action is dependent on the alarm condition. You can configure the following for triggers at the **Actions** panel:

- Alarm system event
- Mode (away, stay, vacation, or any)
- By whom the alarm system has been armed (particular users or anyone)
- What state the alarm should be in before the trigger is activated

- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

The following are the alarm system event options to activate the trigger:

- When the alarm system begins arming
- When the alarm system completes arming
- When the alarm system becomes disarmed
- When an alarm occurs
- When an alarming device becomes restored to normal
- When the alarm system fails to arm

On a Device Event

A device is a smart technology apparatus, appliance, piece of equipment, or sensor such as a door/window sensor. When you select a device to be used as a trigger, the action is dependent on the device state and/or condition. You can configure the following for triggers at the **Actions** panel:

- Device
- Device dependent values
- Device dependent time intervals
- What state the alarm should be in before the trigger is activated
- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

The following are the device options to activate the trigger:

- Changes to a value
- Doesn't change for a certain period of time

On a Time Change

A time change is when you select specific periods of time, intermittent periods of time, and sunrise and sunset to be used as triggers for an action. You can configure the following for triggers at the **Actions** panel:

- Periods of time
- What state the alarm should be in before the trigger is activated
- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

The following are the device options to activate the trigger:

- Starting and ending at specific times (using a pre-defined schedules and set to specific days and times)
- On a periodic basis
- At sunrise
- At sunset

On a Geofence Event

A geofence is a virtual barrier that can be used to trigger an action when someone enters and/or exits the perimeter of the geofence. You can configure the following for triggers at the **Actions** panel:

- Selection of a geofence
- What state the alarm should be in before the trigger is activated
- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

The following are the geofence options to activate the trigger:

- When someone enters the geofence
- When someone exits the geofence
- When someone either enters or exits the geofence

When My Internet Access Goes Down

Your internet access going down can be used as a trigger for an action. You can configure the following for triggers at the **Actions** panel:

- What state the alarm should be in before the trigger is activated
- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

When Someone Arrives or Leaves

When users arrive or leave, or when everyone is in or out can be used as a trigger for an action. You can configure the following for triggers at the **Actions** panel:

- For which users the trigger should occur (particular users or anyone)
- What state the alarm should be in before the trigger is activated
- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

The following are the arrive/leave options to activate the trigger:

- When someone arrives
- When someone leaves
- When everyone is in
- When everyone is out

On a Change to My Configuration Data

If there is any change to the configuration of your White Rabbit Automation System, the changes can be used as a trigger for an action. For example, you can be sent a text message notifying you of a change. You can configure the following for triggers at the **Actions** panel:

- What state the alarm should be in before the trigger is activated
- Additional device constraints
- Trigger activation by a predefined schedule or specific days and times

Alarm Conditions

The alarm condition is the state the alarm system should be in before the trigger activates. The following is the list of alarm conditions within the White Rabbit Automation System:

- In any state
- Disarmed (any mode)
- Disarmed (ready)
- Disarmed (not ready)
- Disarmed (was in alarm)
- Arming
- Armed (any mode)
- Armed in away mode
- Armed in stay mode
- Armed in vacation mode
- Armed in test mode
- In alarm

Additional Device Constraints

Additional device constraints are those devices that should be checked to ensure a particular state before the trigger can occur. For example, say you have a door/window sensor and a motion detector for a door, and it's a door that's frequently used by your family. A device constraint could be to send you a text message only if the door remains open for longer than fifteen minutes.

Scheduling Constraints

Scheduling constraints allow you to configure a timetable by predefined schedules or using specific days and times. For example, if you only want the alarm system to be enabled during the hours you're at work, you could add a schedule for 8:00 A.M. – 5:00 P.M., Monday through Friday. However, for this scheduling constraint to work, it must be added to a trigger to further limit the trigger. For example, if a door is opened between 8:00 A.M. – 5:00 P.M., send me a text message.

Adding a Prebuilt Scenario

There's a variety of prebuilt scenarios in the White Rabbit Automation System and these steps are but one example. For the purposes of this guide, we're going to set up an action for when a front door is opened the entryway lights are turned on.

Note: A prebuilt scenario can be used as a starting point. The scenario can be modified after the fact to add additional constraints. And, steps can be changed, added, and removed after the scenario has been added.

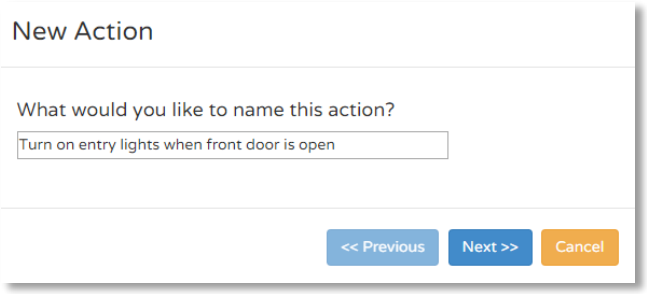
As it can't be known what devices you have or how you want to configure them, you can simply follow along in this guide without actually performing these steps.

To add a prebuilt scenario (auto lights template) you would:

1. Click **Actions**  on the **White Rabbit Automation System** toolbar.
2. Click **Add an Action** on the sidebar.

   The **New Action** dialog box appears.

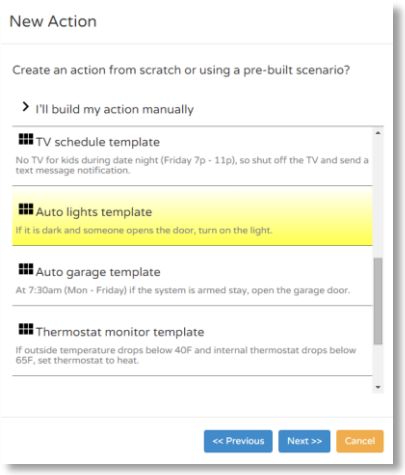
   Figure 18: Prebuilt Scenario – Naming an Action



3. Type the name for the action, for example, "Turn on entry lights when front door is opened," and then click **Next**.

The **New Action** list box displays where you can manually create a trigger or select one from prebuilt scenarios.

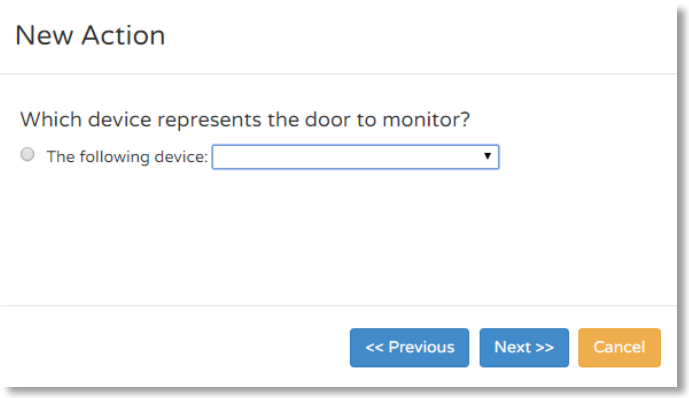
Figure 19: Selecting Prebuilt Scenario



4. Select **Auto lights template** and then click **Next**.

   The **New Action** dialog box appears.

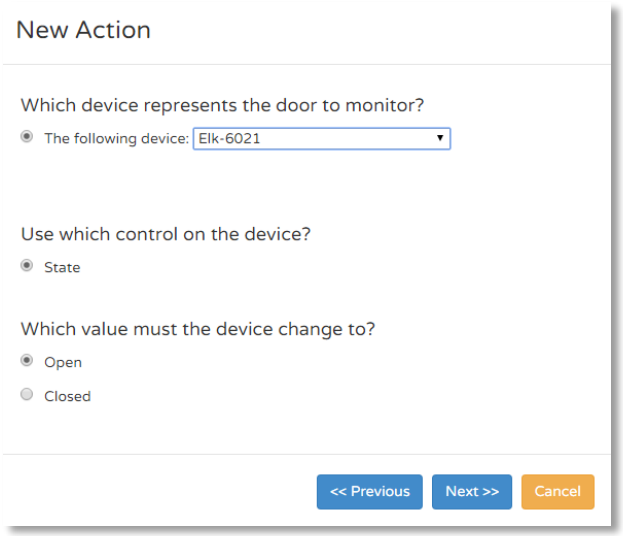
Figure 20: Prebuilt Scenario – Selecting Trigger Device



5. Select **Elk-6021** (door/window sensor) from the drop-down list box.

Notice that once you make the selection, the dialog box expands. The option, **State**, indicates the device is driven by what condition it's in, opened or closed.

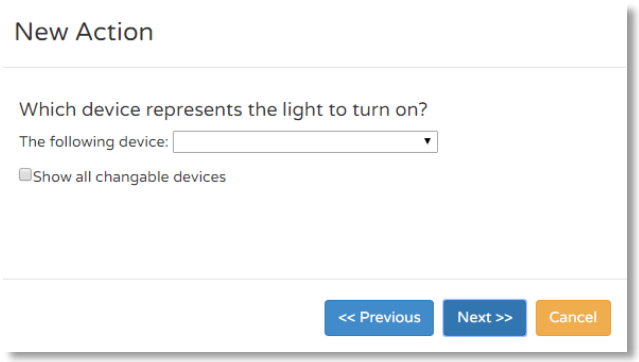
Figure 21: Prebuilt Scenario – Configuring Trigger Device



6. Leave the value at its default, **Open**, and click **Next**.

   The next **New Action** dialog box appears.

Figure 22: Prebuilt Scenario – Selecting a Device

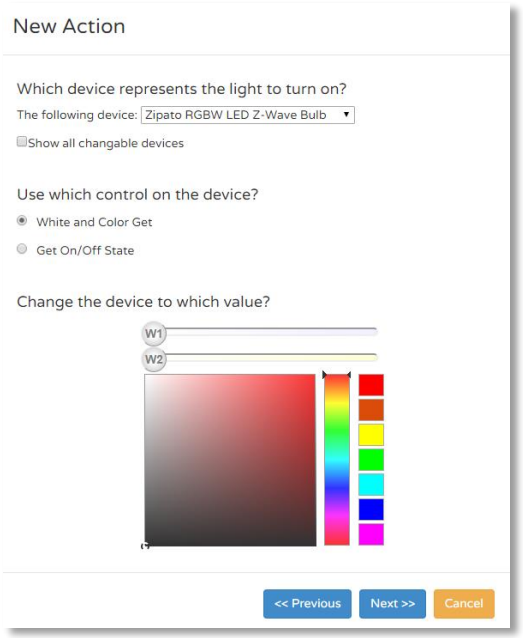


7. Select **Zipato RGBW Led Z-Wave Bulb** from the drop-down list box.

Upon selecting the smart bulb, the dialog box automatically expands to include choices you can make for the smart bulb, which are color values and an on/off state.

Note: If you select the **Show all changeable devices** check box, all devices are listed, not just those compatible with the device trigger, which in this example is a smart bulb.

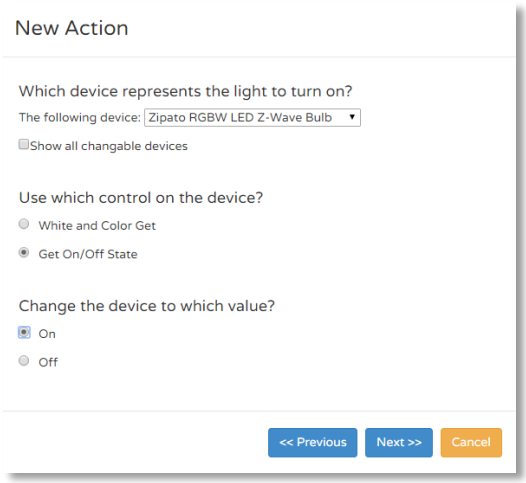
Figure 23: Prebuilt Scenario – Device Options



8. Select **Get On/Off State**.

   The dialog box switches to the on/off configuration.

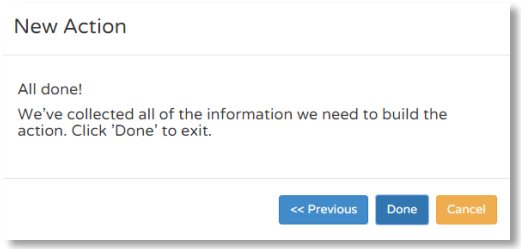
Figure 24: Prebuilt Scenario – Select Option Path



9. Select **On** and then click **Next**.

   The final dialog box displays, indicating that you've completed configuring the action.

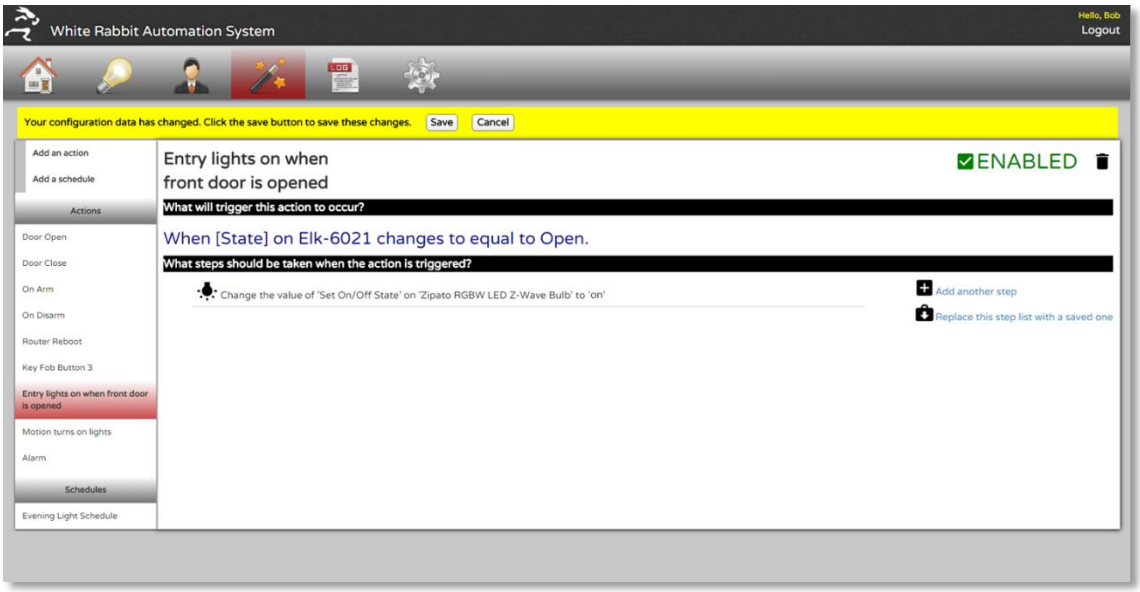
   Figure 25: Prebuilt Scenario – Action Complete



10. Click **Done**.

    The new prebuilt scenario (action, trigger, and step) are displayed at the **Actions** panel.

    Figure 26: Prebuilt Scenario – Action, Trigger, Step at Actions Panel



11. Click **Save** on the save configuration dialog box (just below the toolbar).

Adding a Manual (Personalized) Trigger

As with prebuilt scenarios, there's a variety of manual triggers that you can create in the White Rabbit Automation System and these steps are but one example. For the purposes of this guide, we're going to set up a trigger for when an alarm occurs, when in any mode, and for any device.

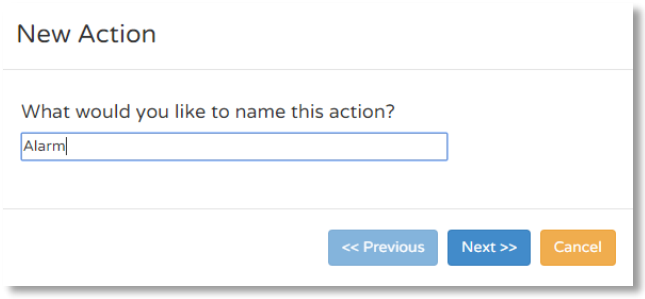
As it can't be known what devices you have or how you want to configure them, you can simply follow along in this guide without actually performing these step in the White Rabbit Automation System.

To add a manual trigger (alarm trigger) you would:

1. Click **Actions**  on the **White Rabbit Automation System** toolbar.
2. Click **Add an Action** on the sidebar.

   The **New Action** dialog box appears.

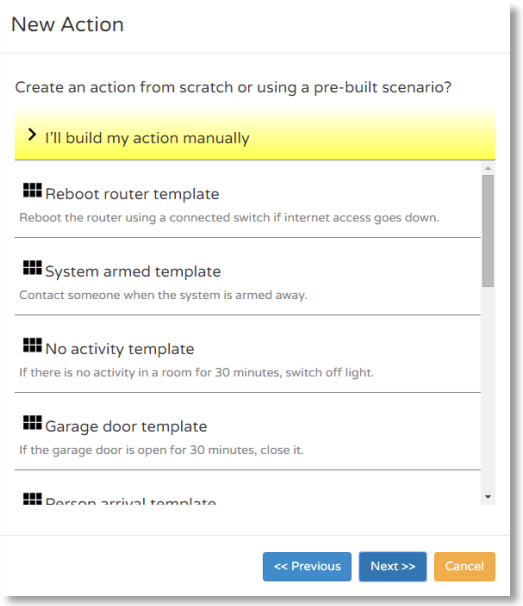
   Figure 27: Manual Trigger – Naming an Action



3. Type a name for the action in the box. For this example type, "Alarm," and then click **Next**.

The **New Action** list box displays where you can manually create a trigger or select one from prebuilt scenarios.

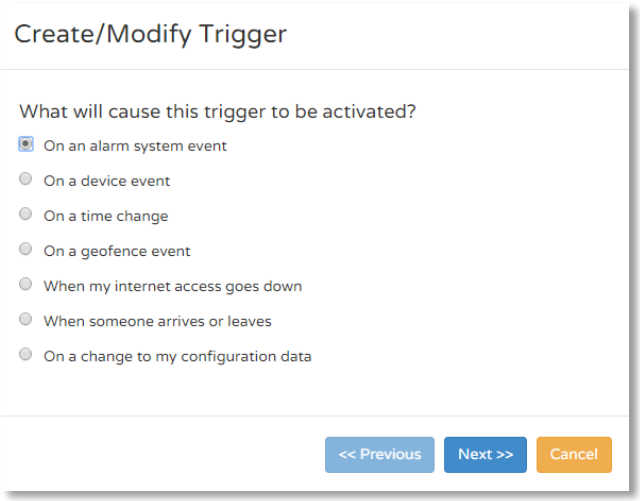
Figure 28: Selecting Manual Trigger



4. Click **I'll build my action manually** and then click **Next**.

   The **Create/Modify Trigger** option box appears.

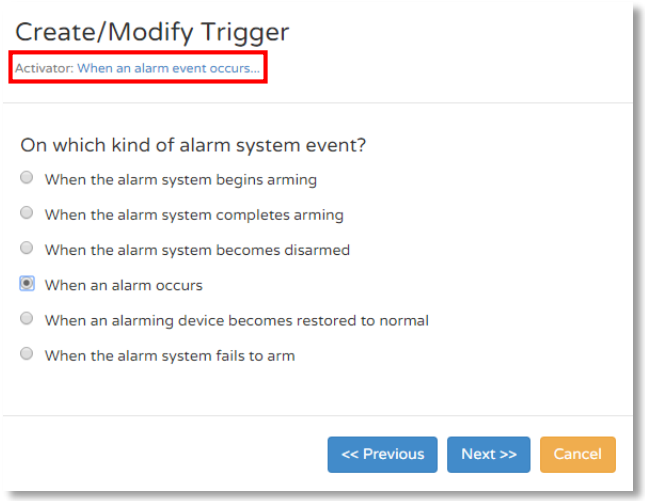
Figure 29: Manual Trigger – Selecting an Activator



5. Select **On an alarm system event** and then click **Next**.

The next **Create/Modify Trigger** option box appears. Notice that the **Activator** is now a link near the top of the option box.

Figure 30: Manual Trigger – Selecting Alarm System Event

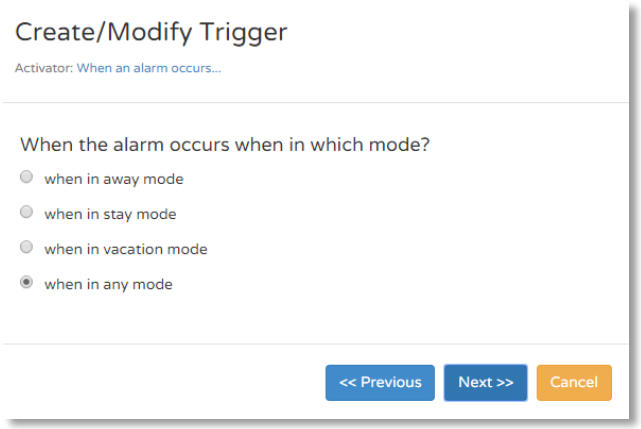


Note: As you build a trigger, other links can appear near the top of the option box based on the configuration. For example, links for **Alarm condition**, **Additional device constraints**, and **Scheduling constraints** can also appear.

6. Select **When an alarm occurs** and then click **Next**.

   The next **Create/Modify Trigger** option box appears.

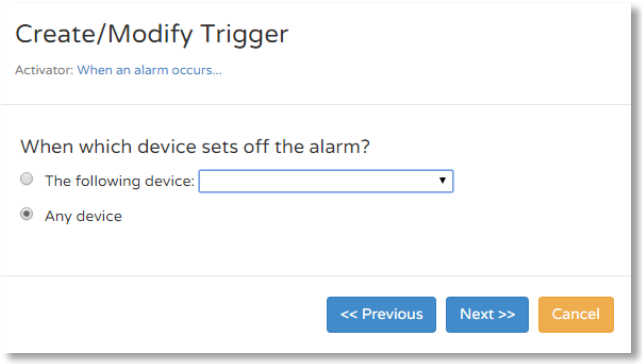
Figure 31: Manual Trigger – Selecting a Mode



7. Select **When in any mode** and the click **Next**.

The next **Create/Modify Trigger** option box appears.

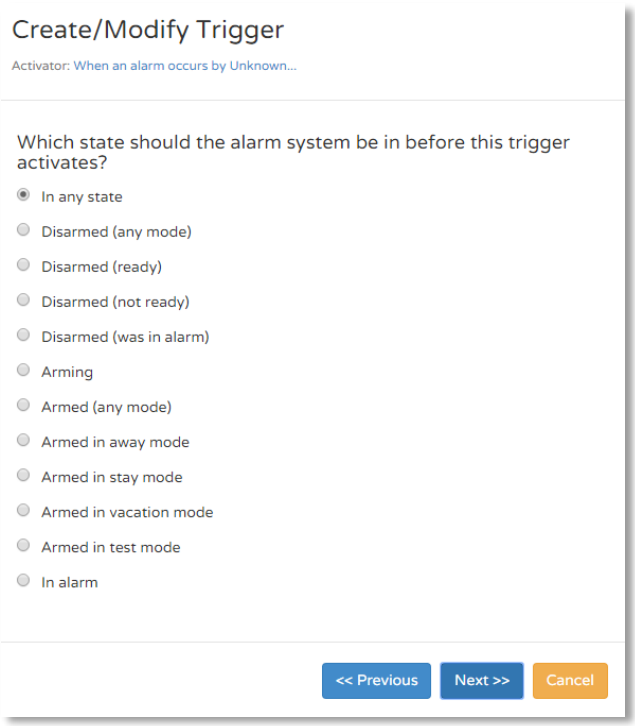
Figure 32: Manual Trigger – Selecting a Device



8. Leave the option at the default, **Any device**, and then click **Next**.

   The next **Create/Modify Trigger** option box appears.

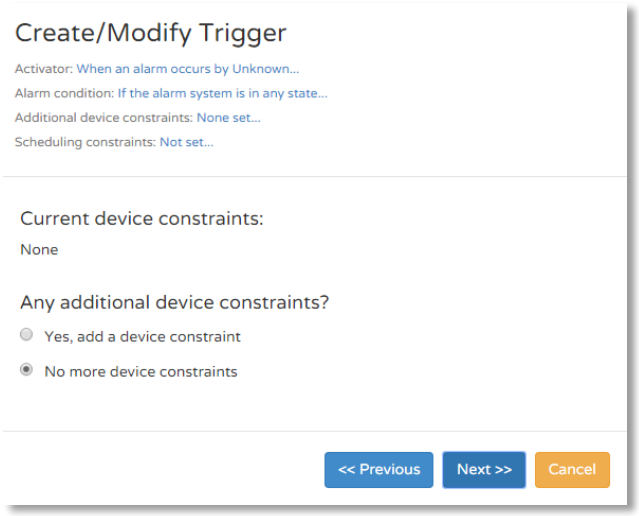
Figure 33: Manual Trigger – Selecting Alarm State



9. Leave the option at the default, **In any state**, and then click **Next**.

The next **Create/Modify Trigger** option box appears.

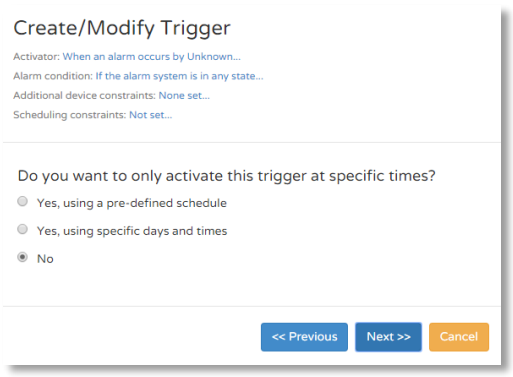
Figure 34: Manual Trigger – Selecting Device Constraints



10. Leave the option at the default, **No more device constraints**, and then click **Next**.

    The next **Create/Modify Trigger** option box appears.

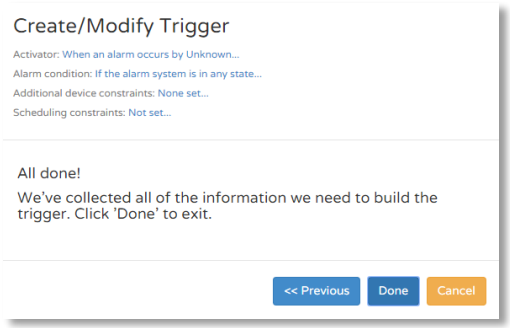
Figure 35: Manual Trigger – Setting Time Constraints



11. Leave the option at the default, **No**, and then click **Next**.

The final dialog box displays, indicating that you've completed configuring the action.

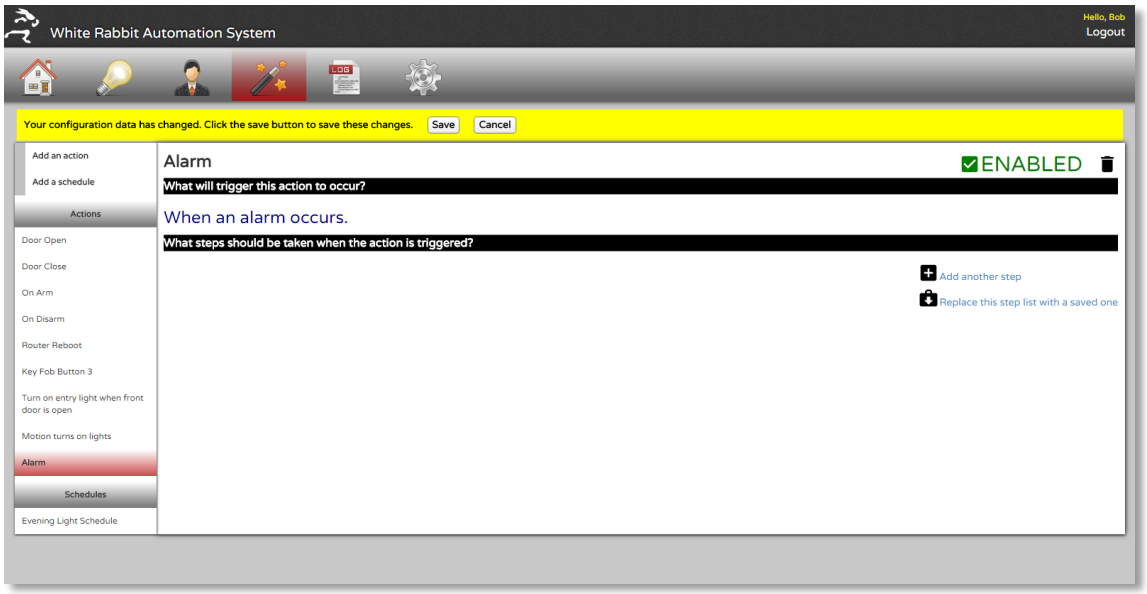
Figure 36: Manual Trigger – Trigger Complete



12. Click **Done**.

The new action and trigger are displayed at the **Actions** panel.

Figure 37: Manual Trigger – Action and Trigger at Actions Panel



Adding Steps to a Trigger

Building upon the manual trigger we configured in the previous section, now we're going to add a step to the trigger to complete the action.

As with prebuilt scenarios and manual trigger configurations, there's a variety of actions that you can create in the White Rabbit Automation System and these steps are but one example. For the purposes of this guide, we're going to set up a step for when an alarm occurs.

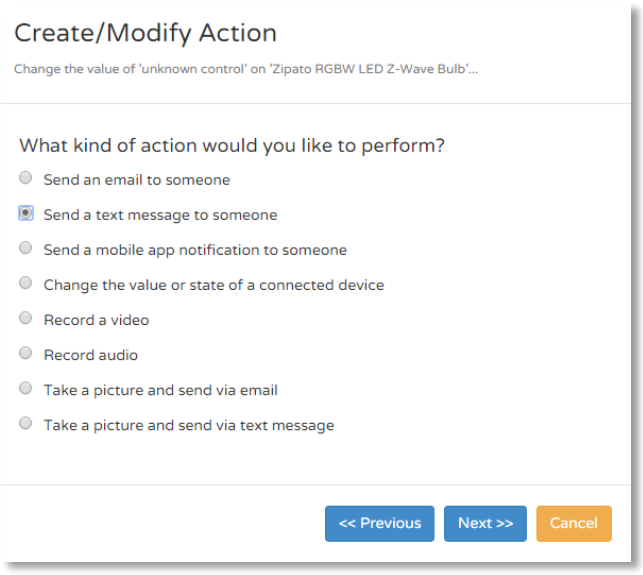
As it can't be known what devices you have or how you want to configure them, you can simply follow along in this guide without actually performing these steps.

To add a step (send a text message to someone) you would:

1. Click **Add another step** at the **Actions** panel. (See Figure 37, page 57.)

   The **Create/Modify Action** dialog box appears.

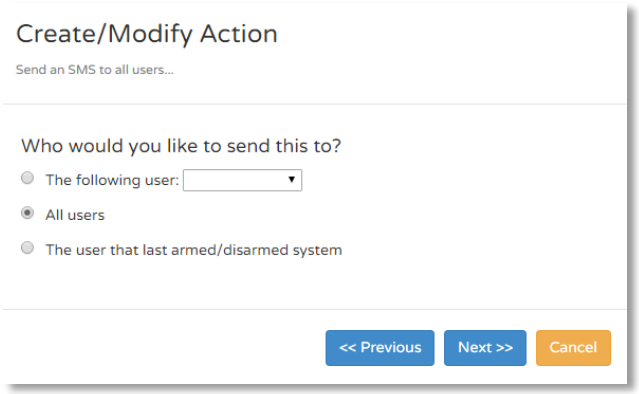
   Figure 38: Creating a Step – Sending a Text Message



2. Select **Send a text message to someone** and then click **Next**.

The next **Create/Modify Action** dialog box appears.

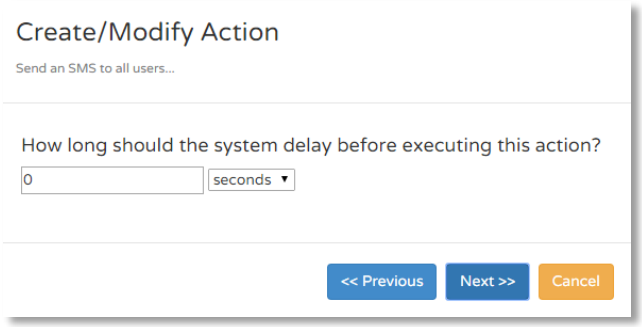
Figure 39: Creating a Step – Users Who Receive Text Message Notification



3. Select **All users** and then click **Next**.

   The next **Create/Modify Action** dialog box appears.

Figure 40: Creating a Step – System Delay Time

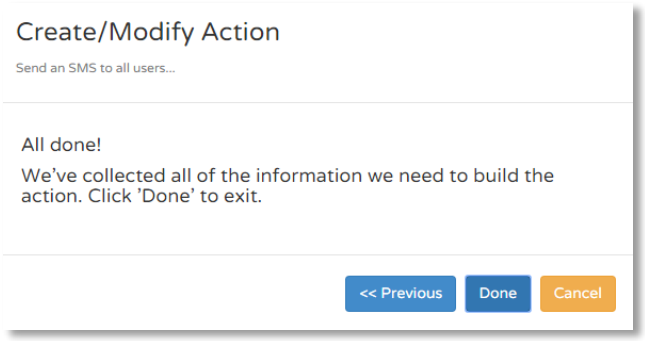


4. Leave the option at its default, **0 seconds**, and then click **Next**.

The final dialog box displays, indicating that you've completed configuring the step.

Note: Delays are cumulative. For example, if one step has a delay of five minutes and the next step has a delay of ten minutes, the second step will execute at the fifteen minute mark, not at the ten minute mark.

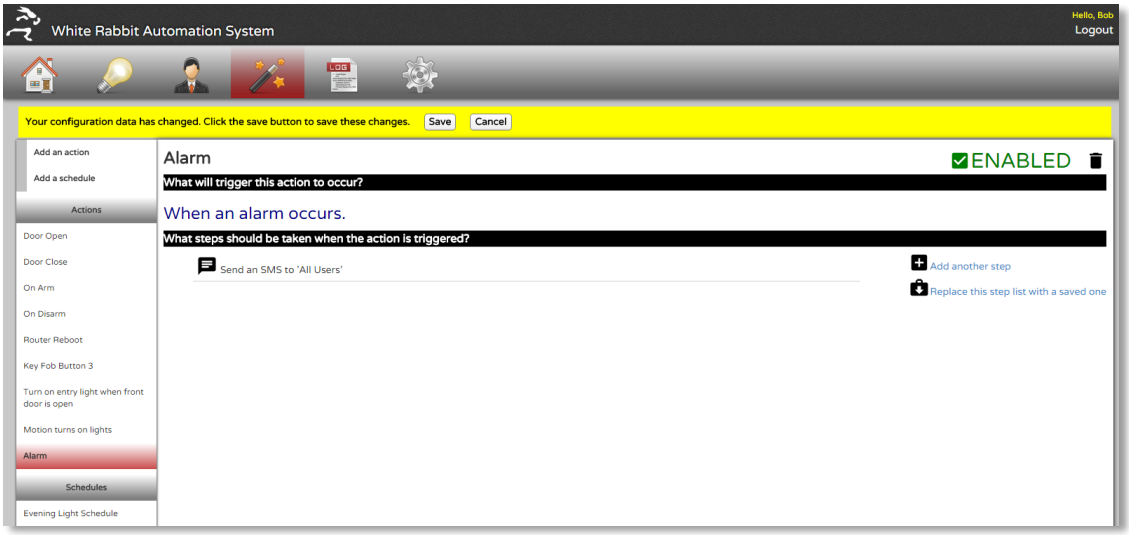
Figure 41: Creating a Step – Step Complete



5. Click **Done**.

   The new step is displayed at the **Actions** panel.

Figure 42: Creating a Step – Action, Trigger, and Step at Actions Panel



6. Click **Save** on the save configuration dialog box (just below the toolbar).

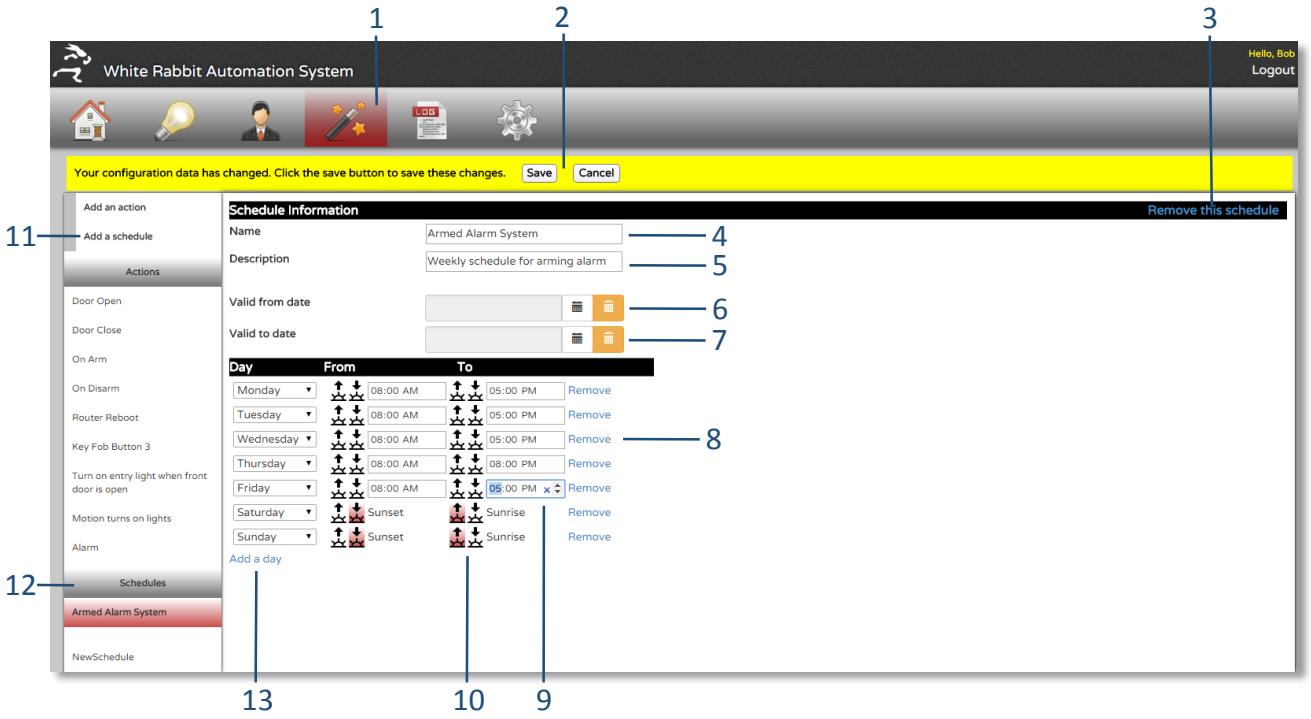
Events and Text Messages

If you choose to add a step to a trigger where a text message is sent to all users, for example, an alarm event, everyone receives the message in a group conversation. This allows all the contacts to easily reply to each other and in the case of an alarm, decide who needs to handle it. This is an excellent feature for reducing false alarms and improving responsiveness.

Adding a Schedule

To familiarize you with scheduling, Figure 43 and the table that follows provide a functional overview.

Figure 43: Creating a Predefined Schedule for Actions



Predefined Schedule	
Component Number	Component
1	**Actions** panel toolbar button – click to go to the **Actions** panel.
2	Save configuration dialog box – prompts you when you've taken a step that needs to be saved.
3	**Remove this schedule** – click to delete the selected schedule.
4	**Name** – type a label for the schedule in this box.
5	**Description** – type an explanation for the schedule in this box.

Predefined Schedule	
Component Number	Component
6	**Valid from date** – click the **Open calendar** icon to select and enter a "valid from date" in this box. Click the **Clear from date** (trash can icon) to delete the date.
7	**Valid to date** – click the **Open calendar** icon to select and enter a "valid to date" in this box. Click the **Clear from date** (trash can icon) to delete the date.
8	**Remove** – click to delete a day and time you've added to a schedule.
9	**Time box** – click the hours, minutes, and A.M./P.M. sections to enter a time. You can use the arrows next to the box or your keyboard to type and adjust times.
10	**Sunset/Sunrise** icons – click to set the time to sunrise/sunset. These times are determined by the geographic coordinates based on your address, the time zone you selected, and daylight-saving time (if applicable) during your account setup.
11	**Add a Schedule** – click to add a schedule. **NewSchedule** appears in the Schedules pane. Click **NewSchedule** to start adding a schedule.
12	**Schedules** section – the list of schedules you've created.
13	**Add a day** – click to add a day and specified time to the schedule.

Once you create a schedule, it becomes a predefined schedule that you can add to an action during the steps in creating or editing an action. See Figure 35, page 56, for the dialog box where this can occur.

To add a schedule:

1. Click **Add a schedule** on the sidebar.

   NewSchedule displays in the **Schedules** section.

2. Click **NewSchedule**.

   The scheduling information appears.

3. And, once you've finished creating a schedule, click **Save** on the save configuration dialog box (just below the toolbar).

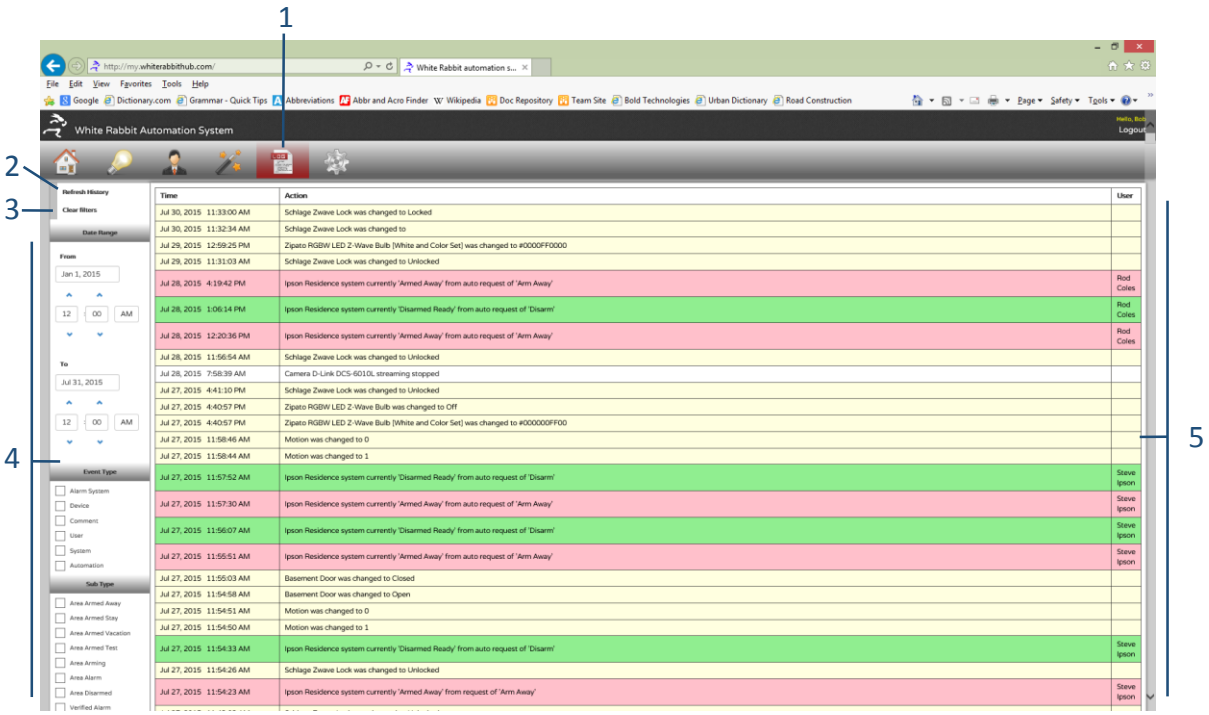
Log Panel

The **Log** panel contains a record of all activities that have occurred in the White Rabbit Automation System. These entries are displayed in columns by date and time, action, and user. You can filter the entries by the following categories and their related subcategories:

- Date Range
- Event Type
- Sub Type
- Devices
- Users

To familiarize you with the **Log** panel, Figure 44 and the table that follows provide a functional overview.

Figure 44: Log Panel



Log Panel	
Component Number	Component
1	**Log** panel toolbar button – click to go to the **Log** panel.
2	**Refresh History** – click to update the log file based on your filter selections.
3	**Clear History** – click to clear any filter selections you've made and then click **Refresh History** to update the log file.
4	**Filters** – select one or more filters from within each category to change and filter your view. Remember to click **Refresh History** to update the log file based on your selections.
5	**Log File** – the log file displays an "arming" event in red, a "disarming" event in green, and an "in alarm" in magenta (purplish red). Any event type that has to do with the state of a device is displayed in yellow. All other events are displayed in white. If you receive the message at the top of the log file, **New log entries have arrived since you last refreshed**, click **Refresh** to display the updated log file.

Admin Panel

The **Admin** panel is divided into the following sections and allows you to manage address information, preferences, system tests, and color themes for the system.

- **Address Information**
- **General Preferences**
- **Unit Preferences**
- **Alarm System Component Test**
- **Themes**
- **Firmware**

To familiarize you with the **Admin** panel, Figure 45 and the table that follows provide a functional overview.

Figure 45: Admin Panel – Top Portion

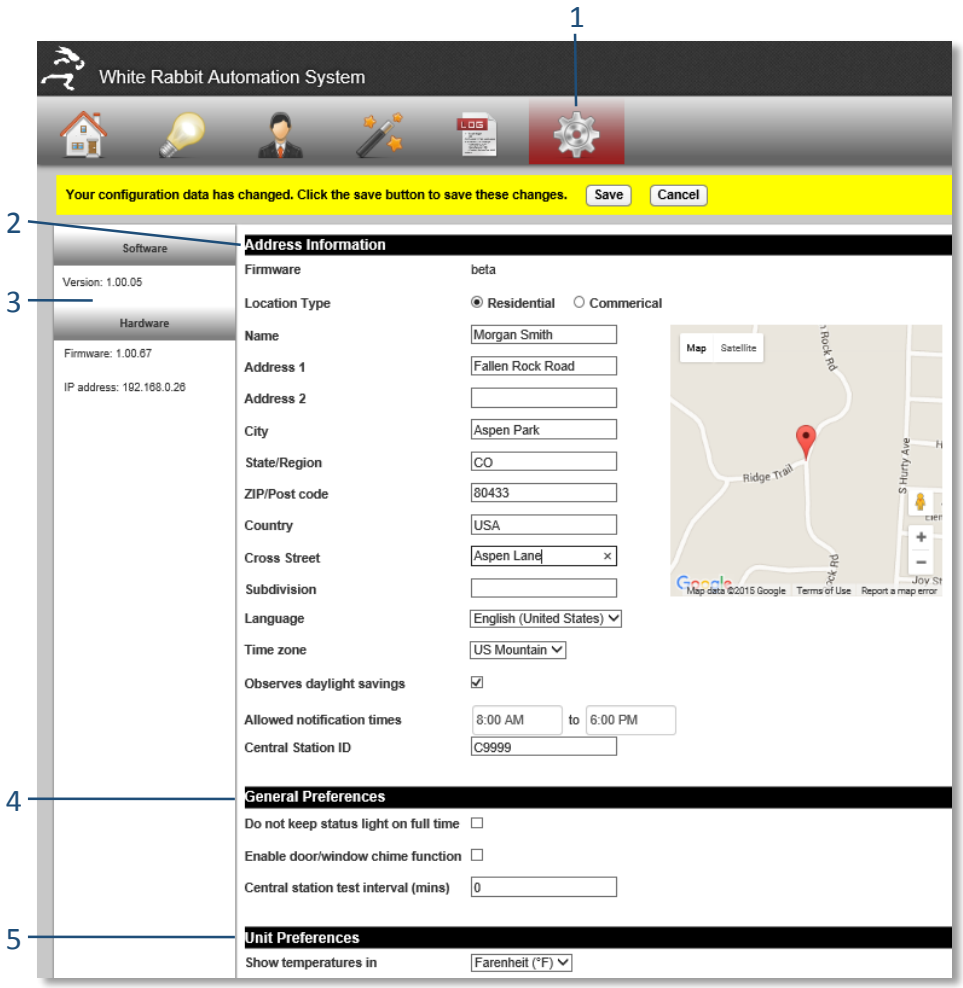
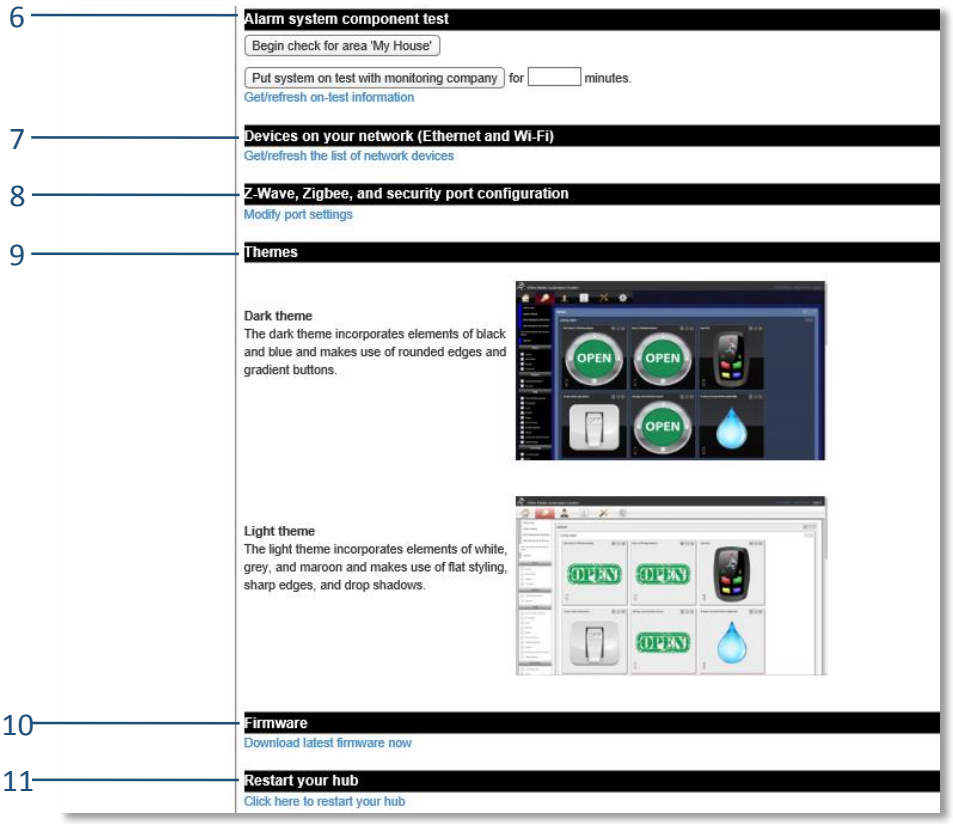


Figure 46: Admin Panel – Bottom Portion



Admin Panel	
Component Number	Component
1	**Admin** panel toolbar button – click to go to the **Admin** panel.
2	**Address Information** – this section is automatically populated from when you initially created your user account and can be edited.
3	**Software | Hardware Version** – these two areas list the software version for the White Rabbit Automation System and the firmware for the smart hub, respectively.

Admin Panel	
Component Number	Component
4	Your **General Preferences** section provides you the following options: • **Do not keep status lights on full time** – select whether or not you want the status lights, medium blue lights for "system is normal – all devices are ready" to remain on at all times. Other statuses, like armed, will still keep the lights on full time, even if this option is selected. • **Enable door/window chime function** – select whether or not the smart hub should emit a "chime" each time a door or window is opened. **Important**: This selection is global throughout the system. However, you still must select **Chime on open/close** for each device at the **Device Details** for each device you want the chime enabled. If you clear this option you don't have to clear the option for each device to disable the chime for all devices. • **Central station test interval (mins)** – set the frequency in which your system checks with the central station to ensure that the systems are properly communicating with each other. This time is usually determined by the central station.
5	Your **Unit Preference** section is to set your temperature unit of measure to Fahrenheit or Celsius for any devices that you have that monitor and report temperature.

Admin Panel	
Component Number	Component
6	Your **Alarm System Component Test** section provides you with the following options: • **Begin Check for Area** *<Your Area Name>* – click this button to perform a "walk test," that is, to perform a physical check that devices are working properly without signaling your central station. **Important**: When you're performing an alarm system component test, the system goes into **ARMED (TEST)** mode as indicated at the My Home Panel. Once you've completed your test, you must go to the **My Home** panel and click **Cancel** to stop the test, where you then can select a different state for the system. • **Put** *<Your Area Name>* **on test with monitoring company for** <x> **minutes** – set the amount of time you would like for the test and then click this button to notify your central station that you're configuring and testing devices. All the tests that you perform are monitored and confirmed by your central station, but in test mode. **Important**: Your "on test" will expire after a set amount of time and the system will be fully reporting again. However, if you want to cancel the "on test" before the time expires, you will need to call your central station to end the test, providing your **Alarm Response Password**. • **Get/refresh on-test information** – if you click this link a table displays the status of components "on test."
7	**Devices on Your Network (Ethernet and Wi-Fi)** **Get/Refresh the List of Network Devices** – if you click this link a table displays with the following information and statuses for each device on your network (to include the smart hub): **MAC Address**, **IP Address**, **Name**, **Device Type**, **Active**, and **In White Rabbit**.

Admin Panel	
Component Number	Component
8	**Z-Wave, Zigbee, and Security Port Configuration** **Modify Port Settings** – if you click this link the **Z-Wave, Zigbee, and Security Port Settings** dialog box appears. This is used to notify the system as to how hardware is configured on the smart hub. For Z-Wave, and Zigbee, you can set the port type to **Internal**, **External**, or **Disabled**. For **Security** you can set the port type for a manufacturer or **Disabled**. **Internal** designates that the module is mounted inside the smart hub. **External** designates an expansion module has been plugged into the USB port located behind the USB Access Cover (back of smart hub). **Disabled** designates that the module isn't in use. There are several benefits to disabling a module if it's not in use: The speed of the smart hub can increase, the battery life of the smart hub can be extended, and devices associated with a disabled module are removed from device selection and configuration lists within the system.
9	Your **Themes** section is where you can select a dark or light theme by clicking on it. There's a brief description of the elements associated with each theme.
10	**Firmware** – your smart hub automatically checks for and downloads firmware updates. However, if you want to perform a manual check to see if there's a firmware download available, click **Download latest firmware now**.
11	**Restart Your Hub** **Click Here to Restart Your Hub** – if you click this link the **Restart Your Hub** dialog box displays where you can restart your smart hub for a variety of reason by selecting one of the following options: • **Restart just the hub's software (fastest, safest option)** • **Restart the hub's hardware safely (if hardware needs to be reset)** • **Force restart the hub's hardware**