Honeywell

Tuxedo Touch WIFI
Home Automation System

Installation and Setup Guide
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About the System

This guide provides information to install and set-up Honeywell's Tuxedo Touch™ WIFI Home Automation and Security System. The graphical touch-screen keypads are Advanced User Interface (AUI) devices, which combine wireless home automation and security. Your system may consist of one or more of the following:

- TUXWIFIS Keypad (silver housing)
- TUXWIFIW Keypad (white housing)
- One or more other keypads for system control
- Various sensors for perimeter and interior burglary protection, plus a selected number of strategically placed smoke, carbon monoxide or combustion detectors
- Lighting/output modules.

UL | Wi-Fi has not been evaluated by UL.

Note: To the installer, see the "Important Notes" in the Important Notes section of this guide.

Remote Services

The Tuxedo Touch™ WiFi supports Remote Services for controlling Z-Wave devices and Scenes remotely from an associated Total Connect™ account. Z-Wave devices include lamp modules, dimmer modules, door locks, and thermostats. Tuxedo [automation] can be controlled from a smart phone, i-Pad™, Android™ Tablet, Blackberry® or PC using Total Connect.

Safe Mode

The keypad contains a Safe Mode of operation. In the rare event that the keypad cannot successfully communicate in its graphic mode with the control panel, the Safe Mode is a backup mode that ensures that you can communicate with the system. In this mode, the keypad operates much like a standard non-graphic keypad so that you can control the system until the problem is corrected.

- DO NOT perform panel programming while in the Safe Mode. Performing panel programming while in the Safe Mode may cause the panel and keypad to become out of sync.
- DO NOT use more than several hardwired motion detectors in high traffic locations. The high quantity of signals received by the panel may cause the keypad to enter the Safe Mode. The actual number of installed detectors depends on the amount of traffic and the number of detectors being used. High traffic can cause Safe Mode with as few as three detectors.

Compatibility

The below listing identifies the alarm systems that the keypad can interface with, the maximum number of keypads that can be used with each system, and the minimum alarm panel software revision level for compatibility.

NOTE: For SIA installations used with a VISTA-128BPTSIA Control, see the SIA CP-01 Quick Reference Chart, Document # 800-09699 located at: http://www.security.honeywell.com/hsc/resources/MyWebTech

<table>
<thead>
<tr>
<th>Alarm System</th>
<th>Maximum Number of Keypads</th>
<th>Minimum Software Revision Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISTA-15P, VISTA-20P, FA148CP, FA168CPS</td>
<td>2</td>
<td>3.0</td>
</tr>
</tbody>
</table>
About the System (cont’d)

<table>
<thead>
<tr>
<th>Alarm System</th>
<th>Maximum Number of Keypads</th>
<th>Minimum Software Revision Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>VISTA-20P, FA168CPS</td>
<td>4</td>
<td>5.0</td>
</tr>
<tr>
<td>* VISTA-21IP</td>
<td>4</td>
<td>1.0</td>
</tr>
<tr>
<td>VISTA-128BP, VISTA-250BP</td>
<td>3</td>
<td>4.4</td>
</tr>
<tr>
<td>VISTA-128BPEN</td>
<td>3</td>
<td>7.0</td>
</tr>
<tr>
<td>VISTA-128FBP, VISTA-250FBP, FA1670C</td>
<td>3</td>
<td>4.1</td>
</tr>
<tr>
<td>VISTA-128FBPN</td>
<td>3</td>
<td>5.1</td>
</tr>
<tr>
<td>VISTA-128BPT, VISTA-250BPT, VISTA-128BPTSIA, FA1660CT</td>
<td>6</td>
<td>10.1</td>
</tr>
<tr>
<td>FA1660C, FA1700C</td>
<td>3</td>
<td>3.0</td>
</tr>
</tbody>
</table>

* Not evaluated by UL.

Note: Keypad may only be used in the following UL/cUL installations: UL 365, UL609, UL 985, UL1023, UL 1610, CAN/ULC-S303, CAN/ULC-S304, ULC-SS45, ULC/ORD-C1023, and ANSI/SIA CP-01-2010.

To obtain the software revision level on commercial panels:
- From program mode, enter #92 on the keypad (this can be done from the Console Mode). The second line of the keypad displays the software revision level (w/out the decimal point).

To obtain the software revision level on residential panels:
- From the Home Screen press Setup/System Setup/Central Station Setup/ enter installer code/ press the panel configuration icon; the software revision level is displayed.
- The keypad sound suppression feature available in some commercial panels is not compatible with the Tuxedo Touch WIFI keypad.
- The ‘Voice Chime’ feature is a residential control feature only.

Note: If using the maximum number of keypads, an additional auxiliary power supply may be needed. Refer to the “Wiring” and “Specifications” section for more information.

Software Upgrades

Software upgrades may be available for this product. To ensure you have the latest version, check the version in your system, (see System Information below) then log in to MyWebTech and enter TUXW in the “Search by” “My Product” field; press Go. Click on “Tuxedo Touch software update SBS” and follow the instructions to download the latest upgrade, if necessary. For more information, visit the Tuxedo Toolkit site located at: http://www.tuxedotouchtoolkit.com/index.html.

System Information
To view the current software version installed on your system, and verify connectivity, do the following:

1. From the "Home" screen, press the Setup icon.
2. Press the System Info icon.

The Interface Name, Host Name, MAC Address, CRC, IP Address, Broadcast Address, and NetMask are also displayed.
About the System (cont’d)

Mounting
This keypad is for indoor use within the protected area only and should be mounted at a comfortable viewing level. Avoid mounting in areas of high condensation such as bathrooms or in locations where bright light or sunlight shines directly on the screen.

The keypad can be mounted with or without the mounting plate. Use the center securing screw for European installations.

Standard Mounting with mounting plate:
1. Select a mounting location.
2. Detach the mounting plate by sliding downward.
3. Use the mounting plate to mark the location of the mounting holes on the mounting surface and check for level.
4. Locate the mounting plate over the mounting surface such that the wire/cable access openings are aligned while passing the wires/cable through the case back.
   **Go to “Wiring” (next page) and complete wiring**
5. Secure the mounting plate to mounting surface using 4 screws (supplied).
6. Slide keypad onto mounting plate.

Mounting without mounting plate:
1. Select a mounting location.
2. Detach the mounting plate by sliding downward and discard.
3. Use the template (provided in the carton) to mark the location of the mounting screws and the cut-out for the keypad assembly on the mounting location. Check for level.
4. Install 4 screws (supplied) in the mounting surface leaving screw heads 1/8” above the mounting surface.
5. Locate the case back over the mounting surface such that the opening is aligned with the wire/cable access opening on the mounting surface while passing the wires/cable through the opening in the case back.
   **Go to “Wiring” (next page) and complete wiring**
6. Mount keypad by sliding onto the screw heads.

Mounting (European Installations)
using a center securing screw:
1. Detach case front by removing the two bottom screws. Gently pull up using a screwdriver if necessary and pry apart. Lift off cover.
2. Mount the keypad in its final location, (see “Standard Mounting” or “Mounting without the mounting plate”) install center securing screw (supplied) and tighten to mounting surface.
3. Replace the case front and secure using the two bottom screws.

UL The European mounting procedure has not been evaluated by UL.
**Wiring**

Connect the Tuxedo Touch in parallel with keypads and other peripheral devices using the keypad data (ECP) bus.

- If the Tuxedo Touch is used as the primary system keypad, maximum wire run length is 150 feet.
- If more than one keypad is wired to one run, then the maximum lengths must be divided by the number of keypads on the run. (e.g., the maximum length is 75 feet if two keypads are wired on a #22 gauge run).

<table>
<thead>
<tr>
<th>Wire Gauge</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>#22 gauge</td>
<td>150 feet</td>
</tr>
<tr>
<td>#20 gauge</td>
<td>240 feet</td>
</tr>
<tr>
<td>#18 gauge</td>
<td>350 feet</td>
</tr>
<tr>
<td>#16 gauge</td>
<td>550 feet</td>
</tr>
</tbody>
</table>

The Keypad draws up to 340mA for 9.6VDC, 260mA for 12VDC and 250mA for 13.8VDC.

If you power the keypad from your panel’s Aux Power output, check your panel’s Installation and Setup Guide and verify that this device and others do not exceed your panel’s Aux Power output capability. If it does, a supplementary power supply is needed.

Connect the wires to the keypad terminal block as shown below.

**IMPORTANT:** When the keypad is powered from an auxiliary power supply, always apply power to the control panel first and then the keypad. Failure to observe this sequence results in improper operation of the keypad and may result in an ECP Error indication.

**Installer Note:** The Tuxedo Touch Screen has been calibrated at the factory. Ignore the “CALIBRATE” button that appears on the “Options” screen after initial ECP setup. If the screen should require recalibration, the end user may do so via the “Keypad Test” screen. See the “Diagnostic Tests” section for instructions.

Supplementary external power supply must be Listed to UL603 for UL Burglary Installations and UL1481 for UL Residential Fire Installations.
About the System (cont’d)

Supplementary external power supply must be Listed to CAN/ULC-S318 for cUL Burglary Installations and ULC-S527 for cUL Residential Fire Installations.

Specifications

<table>
<thead>
<tr>
<th>Mechanical Specifications:</th>
<th>9.6VDC</th>
<th>12VDC</th>
<th>13.8VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width: 8.23 inches (209.04mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Height: 5.59 inches (141.99mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth: 1.13 inches (28.70mm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Electrical Specifications:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Backlight OFF, Sound OFF, WIFI ON</td>
<td>170mA</td>
<td>140mA</td>
<td>130mA</td>
</tr>
<tr>
<td>Backlight ON, Sound OFF, WIFI ON</td>
<td>280mA</td>
<td>225mA</td>
<td>200mA</td>
</tr>
<tr>
<td>Backlight ON, Sound ON, WIFI ON</td>
<td>340mA</td>
<td>260mA</td>
<td>250mA</td>
</tr>
</tbody>
</table>

Operating Environment:

Humidity 93% RH, non-condensing

Temperature:

Operating 14˚ F to 131˚ F / -10˚ C to 55˚ C
(UL tested 32˚-120˚F / 0 to 49˚C)

Shipping / Storage -40˚ F to 158˚ F / -40˚C to 70˚C

Front Panel LEDs

The Tuxedo Touch Keypad has three LEDs as follows:

- **ARMED (RED) LED**
  - ON – System is armed.
  - OFF – System is not armed.

- **READY (GREEN) LED**
  - ON – System is disarmed and ready to arm.
  - OFF – System is armed or disarmed but not ready. If disarmed, faults or troubles are present.

- **MESSAGE (YELLOW) LED**
  - FLASHING – The system contains new message(s) for the User.
  - OFF – No new messages.

- **RESET BUTTON**
  - Press to reset keypad

**NOTE:** If the Screen Blackout (*EN50131 Display) feature is enabled (see below) the keypad returns to the “Home” screen and the “Armed” and “Ready” status LEDs turn OFF after 30 seconds. The keypad will remain in this state until a valid user code is entered.

*The EN50131 Display compliance feature is a European Standard designed to prevent unauthorized users from viewing the status of the Security System.*
**Navigation Icons**

To aid in the navigation through the Tuxedo Touch WIFI screens, a set of user-friendly icons has been provided. The appearance and function are described below.

<table>
<thead>
<tr>
<th>ICON</th>
<th>ICON TITLE</th>
<th>FUNCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Icon" /></td>
<td>“Product/Training Videos”</td>
<td>Accesses the “Product Introduction and Training Videos”.</td>
</tr>
<tr>
<td><img src="image2" alt="Icon" /></td>
<td>“Message”</td>
<td>Record and retrieve Voice Messages.</td>
</tr>
<tr>
<td><img src="image3" alt="Icon" /></td>
<td>“Automation”</td>
<td>Accesses the Z-Wave setup, Scene setup, and Group setup screens.</td>
</tr>
<tr>
<td><img src="image4" alt="Icon" /></td>
<td>“Security”</td>
<td>Accesses the &quot;Security&quot; screen.</td>
</tr>
<tr>
<td><img src="image5" alt="Icon" /></td>
<td>“Home”</td>
<td>Returns you to the &quot;Home&quot; screen.</td>
</tr>
<tr>
<td><img src="image6" alt="Icon" /></td>
<td>“Back”</td>
<td>Reverts to the last screen viewed.</td>
</tr>
<tr>
<td><img src="image7" alt="Icon" /></td>
<td>“Panic”</td>
<td>Displays Emergency functions (as programmed by the installer). See programming the Control Panel note. <strong>Note:</strong> This icon is displayed and active on all screens except while in the Clean Screen mode, during an LCD Display test in <em>Diagnostics</em>, and from the Video and Camera screen.</td>
</tr>
<tr>
<td><img src="image8" alt="Icon" /></td>
<td>“Control Panel Message”</td>
<td>This icon alerts the user to a Control Panel Message.</td>
</tr>
<tr>
<td><img src="image9" alt="Icon" /></td>
<td>“Setup”</td>
<td>Accesses the Setup menus.</td>
</tr>
<tr>
<td><img src="image10" alt="Icon" /></td>
<td>“Multi-Media”</td>
<td>Accesses the Message, Camera, Picture and Video features.</td>
</tr>
<tr>
<td><img src="image11" alt="Icon" /></td>
<td>“Video”</td>
<td>Allows user to play video files.</td>
</tr>
<tr>
<td><img src="image12" alt="Icon" /></td>
<td>“Picture”</td>
<td>Allows user to display personal photos in a slide show format.</td>
</tr>
<tr>
<td><img src="image13" alt="Icon" /></td>
<td>“Voice Status”</td>
<td>Allows user to hear system status.</td>
</tr>
<tr>
<td><img src="image14" alt="Icon" /></td>
<td>“Minimize Home”</td>
<td>Minimizes the Home screen icons when viewing wallpaper displays.</td>
</tr>
<tr>
<td><img src="image15" alt="Icon" /></td>
<td>“Maximize Home”</td>
<td>Maximizes the Home screen icons when viewing wallpaper displays.</td>
</tr>
</tbody>
</table>
About the System (cont’d)

Weather Forecast
The *Weather forecast is displayed on the “Home” screen. To set the weather forecast for a specific location, press on the “Weather” feature. Select USA, Canada or Other. Select Zip Code or Postal Code and enter the information on the data entry keyboard or press Country/City and select from the drop down list. Weather conditions for that location are displayed.
*The Weather option must be enabled to operate. From the “Home” screen, press Setup > System Setup > CS Setup > Options. Select the Weather Forecast option to turn this feature on or off; press Apply.

Panel Fault Displays
The “Security” screen displays an Icon(s) if a panel fault(s) occurs. The following Icons(s) may be shown as applicable to your system:

<table>
<thead>
<tr>
<th>ICON</th>
<th>MEANING</th>
</tr>
</thead>
<tbody>
<tr>
<td>![AC Loss icon]</td>
<td>AC Loss – The system is not receiving AC power.</td>
</tr>
</tbody>
</table>
| ![Bell Failure icon] | Bell Failure – The system bell or siren has a problem.  
**Note:** This Icon is displayed when interfacing with residential panels only. |
| ![Expander Failure icon] | Expander Failure – The system has a failure in an expansion module. |
| ![Low Battery icon] | Low Battery – The system battery, that powers the system during an AC power loss, is low. |
| ![LRR Supervision Failure icon] | LRR Supervision Failure – The Communication Device used to communicate with the central station has a supervision failure. |
| ![Max Attempts Exceeded icon] | Max Attempts Exceeded – The system has exceeded the maximum attempts to communicate with the Central Station. |
| ![Pager Failure icon] | Pager Failure – The system cannot communicate with an assigned pager. |
| ![Telco-1 Cut icon] | Telco-1 Cut – The system is not able to communicate with the central monitoring station over the primary phone line. |
| ![Telco-2 Cut icon] | Telco-2 Cut – The system is not able to communicate with the central monitoring station over the secondary phone line. |
| ![Wireless Failure icon] | Wireless Failure – The system is not able to communicate with its wireless devices. |

**Note:** If multiple faults exist, press the More Choices icon and then the Show Zones icon to view and scroll through the complete list of faults.
Initial Setup

Programming the Control Panel

The keypad is not fully operational unless its address in the control panel has been enabled (set as an alpha console) AUI type device, and assigned to a partition (where applicable). For a list of alarm systems that the keypad can interface with, refer to the “Compatibility Table” in Section 1 of this document for the quantity of keypads that may be used and the required control panel software revision level.

We recommend that you use either a standard alpha keypad or the keypad in Console Emulation Mode when programming the control panel. When in the Console Mode, the keypad emulates an alpha keypad and the programming of the panel is performed following the procedures provided in your panel’s Installation and Setup Guide.

Note: When programming your control panel, if you change the zone types for your emergency zones you may disable the emergency buttons in the keypad. The emergency buttons in the keypad are active for zone types 06 (Silent Panic Button), and 07 (Panic Button), 08 (Medical Button), and 09 (Fire Button). Additionally, the Medical button is also compatible with a zone type 15 (24-Hour Medical) for panels that contain this zone type.

On residential control panels (VISTA-20P or equivalent):
Up to four keypads may be used (addresses 1, 2, 5 and 6). Addresses 1 and 2 (in field *189) are enabled by default. If the defaults have been changed, enable these addresses (in field *189) using an alpha-keypad and the Data Field Programming procedures located in the panel Installation and Setup Guide.

On commercial control panels (VISTA-128BP, VISTA-128FBP, or equivalent):
Addresses 1-2, and 3-30 may be used for older controls under Rev. 10 supporting 3 AUI’s, see Important Note below. Addresses 1-30 may be used for commercial Turbo controls Rev. 10 and higher supporting 6 AUI’s. These addresses in the control panel are normally not defaulted for AUI type devices. To enable the addresses you are using for keypads, use an alpha-keypad and follow the procedures for “Device Programming” in your control panel “Programming Guide.”

Important Note: If multiple keypads are being used, they must be set to addresses 1, 2, and X (where X equals any address from 3 through 30). Only one AUI type device may be assigned to an address from 3 through 30 on commercial control panels.
The Keypad should not be assigned as a Master Console. If the keypad is assigned as a Master Console, partitions must be controlled from the Partition screen or using the Console Emulation Mode.

Keypad Initialization
When initially powered, the screen displays the boot sequence and the “Set ECP Address/RIS (Remote Interactive Services) Automation Address Selection” screen is displayed.

If the system is using only one keypad, leave the address set to 1 and press Apply. The boot-up process continues until completion. If there are to be additional keypads in the system, after enabling addresses in the control panel using an alpha-keypad, power-up each keypad one at a time, and set its address to one of the addresses you enabled in the control panel.

If using Remote Services, set the RIS Automation Address to the appropriate RIS address for using Total Connect. Refer to the Control Panel Installation Instructions for additional information.

Note: The Tuxedo ECP address (1-30) is defaulted to 1; the RIS Automation address (1-30) is defaulted to 25.

This screen can also be accessed by pressing the following icons:
Setup > System Setup > CS Setup > ECP Address.
**Initial Setup (cont’d)**

**Language Selection** (if applicable)
After initial ECP selection is set, the “Languages” menu is displayed. The Tuxedo Touch keypad allows you to select from four languages (English, French Canadian, Latin American Spanish, or Latin American Portuguese) with the default being English.

**Time and Date Setup**
If not already set from the control panel, set the current time and date. Refer to *Time/Date Setup*.

**Night Setup**
The Keypad is defaulted to arm the system in the STAY INSTANT mode when arming the system using the NIGHT icon. Select the arming mode to be activated when the NIGHT icon is pressed on the “Arming” screen, refer to the “Night Setup” section.

**IP Setup and Network Connections**

**Web Server/Hosting**
The Tuxedo Touch keypad offers built-in web hosting capability to access your Security and Home Automation System via any web enabled device. The Tuxedo Touch Keypads IP Address is used on a standard web browser to control user functions.

**Supported Browsers include:**
* iPhone™ Version iOS4, i-Pad™ Version iOS4 and iOS5, Galaxy – Android 2.3, Internet Explorer 8 and Safari® 5.0.2. Webpage support iOS 6 and Google-TV.

**Supported Routers include:**
1. Netgear Model: WNR2000V3; Mode: None, WEP (64 bit & 128 bit), WPA personal, WPA2 personal, and Tx Key 1, 2, 3, 4.
2. D-Link Model: DIR-632; Mode: None, WEP, WPA personal, and WPA2 personal.
3. Linksys® Model: WRT54GL; Mode: None, WEP, WPA personal, and WPA2 personal.

**UL**
- Web Server/Hosting is not Listed for use in UL installations.
- Remote Arming/Disarming/Programming is not to be used in UL Listed Installations.

**IP Address Setup**
In most cases, IP Addresses are assigned ‘automatically’ (*Automatic IP Address*). Or, you may require a “Static” (Fixed) *IP Address* that can be found by accessing your router. Refer to your router instructions for further information.

To connect a mobile device to the Tuxedo Touch keypad, view the “Local System Control (Tablet/Smartphone)” training video, and then do the following:

<table>
<thead>
<tr>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| 1. At your **Smart Phone** or **Tablet**:  
   a) Navigate to the **Settings** feature.  
   b) Turn **ON** the “Wi-Fi” setting and select the router to connect to. Enter a name and password, if required.  
   c) Open the browser and enter the IP Address displayed on the keypad into your browser.  
   Or,  
   | After proper connection:  
   • Access to basic arming commands is available if using a Smart Phone or Tablet browser.  
   • Full access to keypad options is available if using a PC browser.  
   • If left inactive, Web connections disconnect after 10 minutes.  
|}
Initial Setup (cont’d)

<table>
<thead>
<tr>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. At your PC:</td>
<td>The IP Address is displayed in the lower left-hand corner on the Tuxedo Touch Keypad “Home” screen.</td>
</tr>
<tr>
<td>a) Open the browser and enter the IP Address displayed on the keypad into your browser.</td>
<td>NOTE: If using an iPad, iPhone or PC browser with low bandwidth on the mobile type theme, to switch between normal theme and mobile theme, go to the Home page on the Web browser and press the Switch Theme icon; the user interface displays the mobile theme. Web themes for Android phones and Tablets are not supported.</td>
</tr>
</tbody>
</table>

Network Connections
To set up network connections, from the “Home” screen, and do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Cross" /></td>
<td>1. At the Tuxedo Touch keypad:</td>
<td>A pop-up window displays the message:</td>
</tr>
<tr>
<td><img src="image" alt="Setup" /></td>
<td>a) Press the Setup icon.</td>
<td>Save the Change</td>
</tr>
<tr>
<td><img src="image" alt="LAN ON" /></td>
<td>b) Press the IP Setup icon.</td>
<td>Select Yes to save the settings.</td>
</tr>
<tr>
<td><img src="image" alt="Check" /></td>
<td>2. Select a type of network connection:</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="LAN ON" /> or WiFi ON</td>
<td>and go to that section below for further information.</td>
<td></td>
</tr>
</tbody>
</table>

Setup a LAN Connection
From the IP Setup screen, add a LAN network connection as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="LAN ON" /></td>
<td>1. At the Tuxedo Touch keypad:</td>
<td>A pop-up window displays:</td>
</tr>
<tr>
<td><img src="image" alt="Check" /></td>
<td>a) Press the LAN ON button.</td>
<td>This will switch off WLAN Network, do you want to continue? Yes or No</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td>- Connect an Ethernet cable between the router and the keypad; the IP address and default gateway address of the router is displayed.</td>
<td>Use the Data Entry Keyboard to enter the required information.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td>- If the IP address is not displayed, change the “Internet Connection Type” to Static to manually enter the IP address from your router onto the keypad. Highlight each field and enter the required information on the “Data Entry Keyboard” for Subnet Mask, Default Gateway, DNS Server and Port #; press GO.</td>
<td>• Press the “up arrow” to switch to capital letters.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td>2. Press the Save icon; the IP information will automatically update.</td>
<td>• Press the Space key to add a space between characters.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td>3. At your PC, Smart Phone or Tablet browser, start your browser and enter your IP Address.</td>
<td>• Press the x key to delete/backspace.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td>• Press the ABC/123 key to switch between numerals and symbols/characters.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td>• Press GO to return to the IP Setup screen.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td><strong>Note:</strong> To change the default port number (6280), press the field next to port number and on the data entry keyboard enter a secondary port number between 5000-65534. Press GO and then press Save.</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td>A pop-up window displays:</td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td><strong>Success Network Details Saved</strong></td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td><strong>Port number changed. Keypad is going to reset</strong></td>
</tr>
<tr>
<td><img src="image" alt="Network" /></td>
<td></td>
<td>The keypad will reboot with the newly configured port number.</td>
</tr>
</tbody>
</table>
Setup a WLAN (Wi-Fi) Connection
From the IP Setup screen, add a WLAN network connection as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![WIFI ON](image) | **1.** At the Tuxedo Touch keypad:  
   a) Press the **WIFI ON** button.  
   - Use the scroll bar to locate a network  
     from the list of Wi-Fi Networks to  
     connect to and highlight that field.  
   - Or, scroll to the bottom of the list and  
     select **Add Network**. Highlight each field  
     to enter the required information for  
     SSID, Security Mode,  
     Passphrase/Shared Key, and Port # on  
     the “Data Entry Keyboard” and press  
     **GO**.  
   b) Press the **Save** icon. Pressing Save when  
     changing the port number resets the  
     keypad.  
   c) At your PC, Smart Phone or Tablet  
     browser, start your browser and enter  
     your IP Address.  
      - If left inactive, Web connections disconnect  
        after 10 minutes. | A pop-up window displays:  
   “This will switch off LAN Network, do you want to continue?” Yes or No.  
   Use the Data Entry Keyboard to enter the required information.  
   - Press the “up arrow” key to switch to capital  
     letters.  
   - Press the **Space** key to add a space between  
     characters.  
   - Press the **x** key to delete/backspace.  
   - Press the **ABC/123** key to switch between  
     numerals and symbols/characters.  
   - Press **GO** to return to the IP Setup screen.  
   A pop-up window displays:  
   “Network Details Saved”  
   A pop-up window displays the message:  
   “Settings saved.”  
   Select **OK** to save.  
   Note: To change the default port number (6280),  
   press the field next to port number and on the data  
   entry keyboard enter a secondary port number  
   between 5000-65534. Press **GO** and then press  
   **Save**.  
   A pop-up window displays:  
   “Success Network Details Saved Port number changed.”  
   “Keypad is going to reset”  
   The keypad will reboot with the newly configured  
   port number. |

Account Setup
Account setup provides a browser log-on page (for higher security) when viewing from a web enabled  
device or PC on a different sub-net. To set up a user account, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Account Setup](image) | **1.** Press the **Account Setup** button.  
   **2.** If required, highlight the User  
   Name/Password fields on the screen and  
   enter the data for each on the “Data  
   Entry Keyboard”; press **GO**.  
   **3.** Press the **Save** icon. The new user is  
   displayed on the screen.  
   **4.** Press the **Clear** button to clear the User  
   information. | Note: Account Setup allows you to add up to 5  
   users.  
**Note:** A password is required if logging in from a  
remote location (not using the premises network).  
A Confirmation window displays the message:  
**Settings saved.**  
The **ENABLED** button is displayed when a  
successful network connection is completed. |
**Setup**

You may access Brightness and Volume, Display & Audio Setup, System Setup and IP Setup from the "Setup" screen.

**Brightness and Volume Control**

From the "Home" screen, access the "Setup" screen as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Brightness Icon] | 1. From the Home screen, press the **Setup** icon.  
2. Move the **Brightness/Volume** slide bar up or down to increase or decrease settings.  
**Yes** saves the change. **No** discards the change. | If changes are made, when you exit a pop-up window displays: "**Information**

**Settings saved**" |

**Display & Audio Setup**

From the Display & Audio Setup feature you may access Operating Modes, Language, Backlight Off After Time, To Homepage After Time, Auto Slideshow After Time, and Clean Screen.

- Operating modes provides access to Chime Mode, Voice Mode, and Voice Chime.
  - Chime Mode – Keypad chimes whenever a door or window is open.
  - Voice Mode – Keypad voice annunciates whenever a change in system status occurs such as Armed, Disarmed, or Alarms.
  - Voice Chime – The chime mode and voice mode are in effect. The chime beeps followed by voice annunciation.

From the Home screen, press the "Setup" icon, and do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Disp & Audio Setup Icon] | 1. Press the **Disp & Audio Setup** icon.  
2. Enter your Authorized Code, if required. | If the Chime Mode and Voice Mode are both selected, the Voice Chime is automatically selected. When the keypad exits the “Operating Modes” screen, your selection is saved. |
| ![Chime Mode/Voice Mode Icon] | 3. Select **Chime Mode** or **Voice Mode** to turn the mode on or off.  
4. Press the **HOME** or **BACK** icon after making your selection. | It may take a few seconds for the Chime Mode to take effect. |

**Language Selection (if applicable)**

The Tuxedo Touch has the functionality to display four different languages including multi-lingual web page display. Set the language feature as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Language Icon] | 1. From the Home screen, press the **Setup** icon.  
2. Press the **Disp & Audio Setup** icon.  
3. Enter an Authorized Code.  
4. Press the **Language** field, and select a language. | If applicable, after the language is selected, the keypad will revert back to the "Home" screen with the selected language applied. |
Adjust the Screen Timeouts

When the keypad is left idle, it automatically:

- Returns the “Backlight Off After” the selected backlight off time has expired (unless “Never” option is selected).
- Retruns to the “Home” screen after the selected “To Homepage After” time has expired (unless “Never” option is selected), and
- If enabled, the “Auto Slideshow After” time begins the slide show.

To select the desired screen timeouts, do the following:

**ICON** | **ACTION** | **NOTES**
---|---|---
1. From the “Home” screen, press the Setup icon.
2. Press the Disp & Audio Setup icon.
3. Enter your Authorized Code.
4. Press the desired selection from the drop-down list displaying the time period for each option.
5. Press the Save icon to save the settings.

Settings include:
- Backlight Off After X time
- Return To Homepage After X time
- Auto Slideshow After X time.

Notes:
- The “To Homepage After” Time option is only available if the Screen Blackout (EN50131 Display) option is not enabled by the installer.
- When in EN50131 mode, “Auto Slideshow After” is preset to “1” minute and can not be changed.

Clean Screen

With the exception of normal cleaning, the keypad is maintenance free.

Press the “Display and Audio” icon, and do the following:

**ICON** | **ACTION** | **NOTES**
---|---|---
1. Press the CLEAN SCREEN icon. A pop-up window displays “Touch Screen has been disabled so that you may wipe the screen clean. Please use a damp, soft cloth. DO NOT use any liquids, sprays, or ammonia-based cleansers. Press CONTINUE to disable touchscreen.”
2. Press Continue or Cancel to exit.
3. Press the Save icon.

When the “Continue” icon is pressed the message “Touch Screen Disabled for =30 Seconds” is displayed. During these 30 seconds the touch screen should be wiped clean of fingerprints using a mild soap solution and a soft cloth. When the counter reaches zero, the window automatically closes and the touch screen is active.

**IMPORTANT:** Do not use an abrasive cleaning agent or abrasive cloth when cleaning the keypad or damage to the touch screen may occur.

The Emergency screen cannot be accessed while running in the clean screen mode.
**Multi-Media**

This feature allows you to access voice messages, play video files, display personal photos in a slide show format, and view up to four cameras at one time from your keypad.

**UL**  
Multi-Media functionality is supplementary only and has not been evaluated by UL.

**Picture Setup**  
The Picture feature allows the user to display up to 1000 personal photos on the touch-screen and can be accessed from the Home screen by pressing the Picture icon, or access this feature as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Card] | 1. Insert your personal media (SD/SDHC) card (with stored picture files) first.  
2. Press the **Multi-Media** icon and then press the **Picture** icon.  
3. Press the **Transition** arrow to select the type of viewing transition desired (Standard, Horizontal, Vertical or Fade Out).  
4. Press the **Slide Delay** arrow to select the time interval that you want to allow between each photo being viewed. Choose from (5, 10, 15, or 20 seconds).  
5. To add an image to the slide show, select the image from the list and press the **Add Image** icon; the image appears on the screen and a check mark appears next to the selected image name on the list.  
6. To remove an image from the slide show, select the image, and press the **Deselect Image** icon.  
To set a picture as wallpaper:  
1. Use the slide bar to highlight the file you want to be displayed on the keypad screen.  
2. Press the **Set Wallpaper** icon; view your selection from the “Home” screen. | Photo files can be viewed from the (SD/SDHC) Card. Formats supported are .bmp, png or .jpg files.  
**NOTE:**  
• To exit slide show at any time and resume keypad operation, press anywhere on the screen.  
• The first image is displayed and a list of stored images appears on the screen.  
• When an image is loading, no other Picture Setup function can be performed (play, previous, next, add or set wallpaper).  
Press the **TOP** button to move up one level in the directory.  
Press the **OPEN** button to view larger images and/or open directories, select from the list of stored images.  
Press the **CLEAR ALL** button to clear all pictures from the current slide show rotation.  
**NOTE:** On the “Home” screen press the **Minimize Home** icon to reduce the “Home” screen icons and to have better visibility of the Wallpaper.  
Press the **Maximize Home** icon to maximize the “Home” screen icons. |

**Picture Icons**

- Play Image
- Previous Image
- Next Image
- Add Image
- Deselect Image
- Set Wallpaper
- Minimize Home
- Maximize Home
Camera Setup

The Camera feature allows you to enroll cameras and view up to four cameras at one time using the quadrant view feature. **If using existing (mounted) cameras**, go to Step 4 below. **If this is a first time setup**, scan/configure the cameras prior to mounting. View the “IP Camera Setup” training video and then follow the steps below.

**IMPORTANT:** Use the web browser to view cameras for non-security purposes only. Camera streams viewed from the web browser can stop without indication due to network connection issues.

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Connect" /></td>
<td>1. Connect an Ethernet cable to the back of your camera (LAN); connect the opposite end to the Ethernet Port on your router.</td>
</tr>
<tr>
<td><img src="image" alt="Apply Power" /></td>
<td>2. Apply power to the Camera. Wait a few seconds for initial power-up of camera.</td>
</tr>
<tr>
<td><img src="image" alt="Press Multi-Media" /></td>
<td>3. Press the Multi-Media and Camera icons (or press the Camera icon from the “Home” screen) and then press the Camera Setup icon.</td>
</tr>
<tr>
<td><img src="image" alt="Press Discover" /></td>
<td>4. Press the Discover icon to locate cameras. The screen displays: “Discovering Cameras Please Wait…”</td>
</tr>
<tr>
<td><img src="image" alt="Press Add" /></td>
<td>5. Press the Add icon if the camera information is not discovered automatically, to enter information on the “Add New Camera” screen.</td>
</tr>
<tr>
<td><img src="image" alt="Edit" /></td>
<td>6. To edit information, highlight the camera name and press the Edit icon. Highlight each field and enter the required information, and then press Save.</td>
</tr>
<tr>
<td><img src="image" alt="Connect" /></td>
<td>a) To retrieve camera settings and connect to the camera, press the Connect icon.</td>
</tr>
<tr>
<td><img src="image" alt="Total Connect" /></td>
<td>b) Press the Total Connect icon to reset the camera for remote viewing and activate a Total Connect account. See section on “Remote Services” later in this document.</td>
</tr>
<tr>
<td><img src="image" alt="Save" /></td>
<td>c) Press Save.</td>
</tr>
<tr>
<td><img src="image" alt="Refresh" /></td>
<td>d) Use the Refresh icon to update the screen.</td>
</tr>
</tbody>
</table>

**Notes:**

1. QuickTime® media player must be installed on your PC.
2. Camera viewing is compatible with IE8 (and above) and Safari 5.0 (and above); and not compatible with Opera web browsers.
3. Do not use ports 6665-6669 for camera HTTP configuration. These ports block MPEG streaming and PT commands of Safari based PC and mobile devices.

**Note:** Some older versions of these cameras may need a firmware upgrade; see separate instructions.

Use the Data Entry Keyboard to enter all required information.

- Press the Up Arrow key to switch to upper case characters
- Press the X key to delete
- Press the ABC/.?123 key to switch between numerals and symbols/characters.
- Press GO to return to previous screen.

**Note:** For best performance set video resolution to 320 x 240, 8 frames per sec, Normal quality.

**Add/Edit Options:**

Name: Enter a camera name.
Address: Enter IP or URL.
RTSP Port #: Select from (554, (1024-65534)).
Model: Select IPCAM-WI, IPCAM-WI2, IPCAM-WI2B (black), IPCAM-WO or IPCAM-PT, WVC210, other.
User Name: Enter a user name, if desired.
Password: Enter a user password, if desired.
Resolution: Select from 160 x 120, 320 x 240 or 640 x 480.
Frame Rate: Select from 1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, or 30.
*HTTP Port Number: Default value = 80. To change enter valid port number (80 (1024-65534)).

A pop-up window displays:

“For remote camera viewing service, please contact your alarm company and ask for Total Connect™ service and provide the camera’s MAC ID XX:XX:XX:XX:XX:XX. Press continue to prepare the camera for Total Connect service.” Press CONTINUE or CANCEL. If you press Continue a confirmation window displays: Do you want to reset the Camera? Yes or No.
Multi-Media (cont’d)

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Camera WIFI]</td>
<td>7. When all cameras have been added, press the <strong>Camera WIFI</strong> icon to enter the camera wireless settings information from your router. Press the <strong>Apply to All</strong> to set cameras for wireless operation. Press the <strong>Save</strong> icon. Press the <strong>Settings</strong> icon to enter Video, Network, Wireless, and Other settings; refer to “(Advanced Camera) Settings” below. Remove the Ethernet cable from the wireless cameras to view wirelessly via the Tuxedo Touch Keypad. If the camera does not have wireless capability, leave the camera connected to router.</td>
<td>The screen displays: “INFO: Camera wifi setup is applicable only for discovered cameras” Enter the appropriate wireless information. <strong>SSID:</strong> ANY <strong>Security Mode:</strong> Disabled, WPA personal, WPA2 personal, or WEP. <strong>Network Type:</strong> Infrastructure <strong>Domain:</strong> USA <strong>Channel:</strong> Auto For <strong>Security Mode</strong> information enter: <strong>Tx Key:</strong> 1, 2, 3 or 4. <strong>WEP Encryption:</strong> 64 bit Key (10 Hex Chars) or 128 bit Key (26 Hex Chars). <strong>Authentication:</strong> Open System or Shared Key. <strong>Passphrase:</strong> then press <strong>GO.</strong> A pop-up window displays: “Info XXX.XXX.X.X WIFI Configuration Saved”</td>
</tr>
</tbody>
</table>

### Camera Setup Icons

<table>
<thead>
<tr>
<th>DISCOVER</th>
<th>ADD</th>
<th>EDIT</th>
<th>DELETE</th>
<th>DELETE ALL</th>
<th>SETTINGS</th>
<th>CAMERA WIFI</th>
<th>BACK</th>
</tr>
</thead>
</table>

### Camera Icons

<table>
<thead>
<tr>
<th>CAMERA SETUP</th>
<th>PLAY</th>
<th>STOP</th>
<th>AUTO PAN</th>
<th>QUAD VIEW</th>
<th>FULL VIEW</th>
<th>PAN/TILT</th>
<th>SAVE</th>
<th>CONNECT</th>
<th>RESET</th>
</tr>
</thead>
</table>

### Camera Notes:
- To use the Pan/Tilt feature in Quad View, select the camera name from the camera list and then press **Pan/Tilt.**
- Press the **Quad View** icon to enter quad mode. Select a quadrant area on the screen (this area is highlighted) and then select the camera that you want to appear in that quadrant.
- To remove a single camera, highlight the camera name and press **DELETE.** To remove all cameras, press **DELETE ALL.**
- **(Advanced Camera) Settings** Press **Save!** after each selection. **Note:** Cameras must be enrolled to access the **Settings** screen. If multiple cameras are enrolled, highlight the desired camera to make changes.

### Video Settings:
Select the following:
- **MPEG-4 Settings:** Resolution, Fixed Quality and Max. Frame Rate
- **MJPEG Settings:** Resolution, Fixed Video Quality and Max. Frame Rate

### Network Settings:
To make changes to the selected camera.
- **Internet Connection type:** If set to **Obtain an address automatically,** selectable options are Enable Discovery for UPNP, HTTP Port, RTSP Port. If set to **Static IP,** options are IP Address, Subnet Mask, Default Gateway, Enable Discovery for UPNP, HTTP Port, RTSP Port.
- **Wireless:** View the following settings: SSID, Security System, Passphrase/Shared Key, Network Type, Domain and Channel Information.
- **Others:** Reset to Defaults: a pop-up window displays: “Do you want to reset the Camera?” Select **Yes** to reset the camera to factory default settings. Restart Camera: Press to restart the camera.
**Multi-Media (cont’d)**

**Video (Audio) Setup**
View the “SD Card Video Playback” training video and then access the Video (Audio) feature, by doing the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Card Icon] | 1. Insert your personal media (SD/SDHC) card (with stored video files). | A Video Converter is required to convert videos for proper playback on the Tuxedo Touch Keypad. Use an Internet search engine to locate and download a Video Converter, then follow the steps in the Video Converter Instructions (provided in the carton). **Notes:**
- Supported video playback formats include MPEG4 and H.264, containers AVI, MOV, MP4.
- Maximum video resolution should not exceed 400 x 240.
- If the video file causes the keypad to lock, use a small object (such as a paper clip) to press the reset button located in the lower right-hand side of the keypad to reset the keypad.
- Videos can not be played when the EN50131 Display is turned ON.
- To exit Full View mode at any time while a video is playing, press anywhere on the screen.
- When in Full View mode there is an 8-10 second delay for video display. |
| ![Multi-Media Icon] | 2. Press **Multi-Media** and then press the **Video** icon. | |
| ![Video Icon] | 3. Highlight a video file from the list and press **Play** to start the selected video file. | |
| ![Repeat Icon] | 4. Press the **Repeat** icon to continually replay the selected video. | |
| ![Repeat Icon] | 5. Deselect the **Repeat** icon to automatically play the complete list of video files starting with the first video and ending with the last. | |

**Video Icons**
- **Play**: Use the slide bar to scroll through the video list. Press the appropriate icon to Play, Pause, view a Full View, Stop or Repeat the video.
System Setup

From System Setup, you may access Power Mode Setup, CS Setup, User Setup, Time/Date Setup, and Advance Setup.

Power Mode Setup

Power Setup Mode allows you to reduce power consumption in the event of a system trouble such as AC Loss or Panel Low Battery. To access Power Mode Setup, from the “Home” screen do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="icon" /></td>
<td>1. Press the Setup icon and then the <strong>System Setup</strong> icon.  2. Press the <strong>Power Mode Setup</strong> icon.  3. Enter your Authorized Code, if required.  4. Select <strong>Power Save Mode</strong> to enable; then choose from the options.  5. Press <strong>Apply</strong> to save settings.</td>
<td>Select from:  • Turn-off Network  • Override Display Settings: When selected, Display settings are overwritten and the keypad operates in low power mode:  - <strong>Brightness/Volume</strong> controls decrease to minimum levels.  - Return <strong>To Homepage After</strong> time reverts to 30 seconds.  - Auto <strong>SlideShow After</strong> time reverts to Never.  When AC power is restored, the original Display settings resume.</td>
</tr>
</tbody>
</table>

CS Setup

You may access ECP/RIS Automation Address, CS Options/Operating Modes, Screen Security, Device Events, Code Authority and Panel Configuration from the CS Setup screen.

From the “Home” screen, press the **Setup** and **System Setup** icon and perform the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image2" alt="icon" /></td>
<td>1. From the <strong>System Setup</strong> screen, press the <strong>CS Setup</strong> icon.  2. Enter your Authorized Code, if required.  3. Press the <strong>ECP Address</strong> icon.</td>
<td>If the top of the screen is displaying “ECP Error”, the ECP address in the keypad is not valid for the panel that it is connected to. In this case, to change the ECP Address, enter the default code of “4140” to advance to the next screen. <strong>Note:</strong> Default code “4140” is the Tuxedo Touch default installer code before connecting to a control panel. Once connected to a control panel, use that panel’s installer code.</td>
</tr>
</tbody>
</table>

ECP Address Selection

After enabling addresses in the control panel using an alpha-keypad, power-up each keypad one at a time, and set its address to one of the addresses you enabled in the control panel. Otherwise, access the Central Station screen then follow this procedure to change the address on the unit.

To change the address, perform the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image3" alt="icon" /></td>
<td>1. Press the <strong>ECP Address</strong> icon.  2. Select the ECP address for this keypad using the Up/Down arrows.  3. The available ECP addresses are: 1-2, 5-6 for residential controls 1-2, 3-30 for older commercial controls under Rev 10 supports 3 AUIs. <strong>See Important Note below.</strong> 1-30 for commercial Turbo controls</td>
<td>When the keypad cannot communicate with the alarm panel, the message “ECP Error” is displayed, check the following:  • Verify that the AUI type device is enabled in the control panel, and that the ECP address in the keypad matches the address enabled in the control panel.  Use a different address for each device.  • If powering the keypad from a power supply, make sure you have a common ground installed (wiring between Power Supply “gnd” and panel “Aux. power neg”).</td>
</tr>
</tbody>
</table>
System Setup (cont’d)

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Rev. 10 and higher supports 6 AUIs. <em>IMPORTANT:</em> If multiple keypads are being used, they must be set to addresses 1, 2, and X (where X equals any address from 3 through 30). Only one AUI type device may be assigned to an address from 3 through 30 on commercial control panels.</td>
<td>NOTE: When the ECP address is changed, and Apply is selected, the keypad resets. The keypad should not be assigned as a Master Console. If it is, partitions must be controlled from the Partition screen or using the Console Emulation Mode.</td>
</tr>
</tbody>
</table>

RIS Automation Address
If using Remote Services, set the RIS (Remote Interactive Services) address to the appropriate RIS address for using Total Connect. To change the address, perform the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Press the ECP Address icon. 2. Select the RIS Address for this keypad using the Up/Dn arrows. 3. The available RIS addresses are (1-30) and is defaulted to 25.</td>
<td>NOTE: If using remote services, one of the touch-screen device (AUI) addresses is used by the control panel. Refer to control panel Instructions for specific configuration.</td>
</tr>
</tbody>
</table>

CS Options / Operating Modes
The “CS Options” menu allows you to enable Lighting and the EN50131 Display feature. The “Operating Modes” menu allows you to access Normal Mode”, “Safe Mode” and “Automation/Demo Mode”.

Screen Blackout Feature (EN50131 Display)
The Screen Blackout (EN50131 Display) compliance feature is a European Standard designed to prevent unauthorized users from viewing the status of the Security System. When the EN50131 Display is turned ON:

- The keypad returns to the "Home" screen after 30 seconds; "Armed" and "Ready" LEDs turn OFF.
- The "To Homepage After" time setting changes to 30 seconds and the time is non-selectable.
- The "Auto Slideshow After" is preset to “1” minute and can not be changed.
- The Security, Message and Lighting screen does not display system status until an authorized user code is entered.
- The "Setup" menu does not display system status until an authorized user code is entered.
- Videos can not be played.

From the Home screen, press the Setup and System Setup icon.

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1. Press the CS Options icon. 2. Enter your Authorized Code, if required. 3. Select “Lighting” or &quot;EN50131 Display” to turn the option on or off. 4. Select &quot;Normal Mode&quot; or &quot;Safe Mode&quot; to turn the option on or off. Apply accepts all changes.</td>
<td>Note: The Automation/Demo Mode option allows the automation and multi-media features to operate in a non-security mode. When this option is selected, the keypad does not communicate with the control panel and any user can select Advanced Setup screens.</td>
</tr>
</tbody>
</table>

Operating Modes
Safe Mode
The Safe Mode may be automatically entered by the program on a communication failure or may be entered manually on command.

**Automatic Entry**

In the rare event that the keypad cannot successfully communicate in its graphic mode with the control panel, the screen presents you with a message of “Problems detected. Start Keypad in Safe Mode?” and requests a “Yes” or “No” response. If you answer with “Yes”, the keypad goes into the Safe Mode. If you answer with “No”, the keypad tries to communicate with the panel again. After 3 consecutive times of receiving no response, the keypad enters the Safe Mode automatically.

**Manual Entry**

*Note:* ONLY enter the Safe Mode from the Normal Mode. Entering the Safe Mode from the Automation/Demo Mode may result in incorrect display of the Emergency Function keys.

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
</tr>
</thead>
</table>
| !SAFE MODE! | 1. Select **Safe Mode** and then press **Apply**.  
2. Press **OK**.  
3. To exit, touch the safe mode button and touch **Yes** to return to Normal Mode. |

**Operating in the Safe Mode**

While in the Safe Mode, the Home screen displays the Security Icon, Panic Icon, and Message Icon. A message at the lower left side of the screen is displaying: **SAFE MODE**!

This is a limited mode of operation. While in this mode:

- You can use the Security icon to access the Console Emulation Mode of operation to try to clear your faults, disarm the system, or enter additional Alpha Keypad commands specified in your panel User and Installation Guides. You can perform almost all functions that you can perform from a standard non-graphic alpha keypad.
- You can press the “Panic” icon and generate Emergency Messages as defined in the panel's home partition for this keypad.
- The Armed and Ready LEDs on the front of the keypad indicates the keypad’s home partition status.
- The Chime mode functions in the Safe Mode: however, you do not have Voice (system status messages), Voice Chime (announcements) or Message capability (if set to default “Master”).

*Note:* Z-Wave Scenes do not function in Safe Mode.

**WARNING:** The Slide Show feature does not start automatically in Safe Mode.

**Screen Security**

The **Screen Security** icon displays a list of authority levels and the user level that has been given access to them. To view and/or edit Screen Security, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
</tr>
</thead>
</table>
| ![Screen Security](image) | 1. From the System Setup screen, press the **CS Setup** icon.  
2. Enter your Authorized Code.  
3. Press the **Screen Security** icon. |

*Note:* The Screen Security screen contains a heading of Advanced Setup, Central Station Setup, Disp. & Audio Setup, Event Logs, Lighting, Message, Security, or Time/Date highlighting the line was selected for change.
4. If authority levels are correct, press BACK or Home to exit the menu.
5. If changes are necessary, select the line to be changed and the level of user to have access; then press Apply.

The Screen Security screen is re-displayed listing any changes.

Note: The User Levels listed on this screen match the User Levels in commercial panels. See the following chart for corresponding User Levels in Residential Panels.

### Residential Panels and Screen Security

<table>
<thead>
<tr>
<th>Authority Level in Panel</th>
<th>Matching Authority Level in Keypad</th>
<th>Access Level Chosen in Keypad</th>
<th>Screen Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Master</td>
<td>Master</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Partition Master</td>
<td>Master</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Standard User</td>
<td>Normal</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Arm Only</td>
<td>N/A</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Guest</td>
<td>Guest</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>Duress</td>
<td>N/A</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### Code Authority

The Code Authority screen displays User Names and Partition Authority Level for the User Code. To view the Code Authority level, do the following:

1. Press the Code Authority icon.
2. Enter the 4-digit User Code for the user that you want to obtain Authority Level information about. Press BACK.

Note: If the User Code entered is not active in the system, an "INVALID" message will be displayed.

### Device Events

Your keypad has the ability to record events in a history log. Each event is recorded with the time and date of its occurrence. To view the Device Events, perform the following:

1. Press the Device Events icon. A list of events is displayed.

To view a record of events in a history log, slide the scroll bar down. The Date, Time and Description of each event is displayed.

### Panel Configuration

The Panel Configuration screen displays the configuration of the panel. To view the panel configuration, do the following:

1. Press the Panel Configuration icon.
2. If correct, press Back to return to "System Setup" screen.

A "Panel Configuration" screen is displayed providing details of your system. Delete clears the configuration from the keypad and reloads the panel configuration into the keypad from the panel. After you press Delete, a confirmation screen is displayed.
**User System Setup**

User Setup provides access to **Add a User**, **Delete a User**, and **Edit a User**.

**User Code Setup**

Each user must be assigned a name with a corresponding 4-digit user code in order to gain access to various features and functions. The keypad can hold the identity for 10 Users in its memory. If additional Users are needed, define the additional Users using the Console Emulation Mode.

Users for the system are programmed in a central user setup location that provides the specific questions for authorization levels assigned to different users. You may want these users to be the same, but there are situations in which you may want a user to have limited capabilities. These capabilities are defined by the Authority Level assigned to each user.

**Authority Levels**

Authority levels define the system functions a particular user can perform. Depending on the authority assigned to you, there are certain system functions you may be prohibited from performing. The following information describes the authority levels available in the keypad and provides the equivalent authority level name found in your alarm system manuals. The authority levels available in the keypad are as follows:

<table>
<thead>
<tr>
<th>Keypad Authority Level</th>
<th>Functions</th>
<th>Equivalent System Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installer</strong></td>
<td>Can perform all security functions except can only disarm if code was used to arm, can change Master Code, cannot change other user codes, can access the Central Station Screen options</td>
<td></td>
</tr>
<tr>
<td><strong>Master</strong></td>
<td>Can perform all security functions, add/delete users in assigned partition, program scheduled events, and change partition master code.</td>
<td></td>
</tr>
<tr>
<td><strong>Normal</strong></td>
<td>Perform security functions (arm, disarm)</td>
<td></td>
</tr>
<tr>
<td><strong>Guest</strong></td>
<td>Can arm the system in assigned partitions, but cannot disarm the system unless the system was armed with this code. <strong>Note</strong>: Do not assign this level if Quick Arm is enabled in the system.</td>
<td></td>
</tr>
<tr>
<td><strong>No Access</strong></td>
<td>Used to restrict access to a partition.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Keypad Authority Level</th>
<th>Functions</th>
<th>Equivalent System Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Installer</strong></td>
<td></td>
<td><strong>Installer</strong></td>
</tr>
<tr>
<td><strong>Master</strong></td>
<td></td>
<td><strong>Partition Master</strong></td>
</tr>
<tr>
<td><strong>Normal</strong></td>
<td></td>
<td><strong>Standard User</strong></td>
</tr>
<tr>
<td><strong>Guest</strong></td>
<td></td>
<td><strong>Guest</strong></td>
</tr>
<tr>
<td><strong>No Access</strong></td>
<td></td>
<td><strong>N/A</strong></td>
</tr>
</tbody>
</table>

**Note**: The authorized code for deleting, adding, and editing users is dependent upon the alarm panel you are interfacing with. Check your alarm panel Installation and Setup Guide to determine who can delete, add, and edit users.

**User Setup**

**How to Add a User**

To add a user, from the "Home" screen press the **Setup** icon, and do the following:

<table>
<thead>
<tr>
<th>ICON ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. From the &quot;Home&quot; screen, press the <strong>Setup</strong> icon.</td>
<td></td>
</tr>
<tr>
<td>2. Press the <strong>System Setup</strong> icon.</td>
<td></td>
</tr>
</tbody>
</table>

---

26
User System Setup (cont’d)

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![User Setup Icon]</td>
<td>3. Press the USER SETUP icon.</td>
<td>Use the Data Entry Keyboard to enter all required information. Enter the user name (6 characters max.; no spaces between characters) and press the GO icon.</td>
</tr>
<tr>
<td>![Add User Icon]</td>
<td>4. Press the ADD USER icon and enter your Authorized Code.</td>
<td>• Press the Up Arrow key to switch to capital letters</td>
</tr>
<tr>
<td>![User Name Icon]</td>
<td>5. Press the box next to Enter User Name.</td>
<td>• Press the X key to delete</td>
</tr>
<tr>
<td>![User Number Icon]</td>
<td>6. Type in the user name (max. 6 characters; no spaces between characters) and press the OK icon.</td>
<td>• Press the ABC/.?123 key to switch between numerals and symbols/characters.</td>
</tr>
<tr>
<td>![User Code Icon]</td>
<td>7. Press the box next to User Number and enter an “available” (3-digit) user number; press the OK icon.</td>
<td>• Press GO to return to the “Add User” screen.</td>
</tr>
<tr>
<td>![Enter Code Icon]</td>
<td>8. Press the box next to Enter User Code, enter the 4-digit User Code for this user and press the OK icon.</td>
<td>For available user numbers, refer to the control panel instructions.</td>
</tr>
<tr>
<td>![RF Button Icon]</td>
<td>9. Press the box next to RF Button Zone (if used); enter the 3-digit RF Button Zone for this user.</td>
<td>If assigning this user to wireless key, enter one of the zone numbers of the keyfob (the wireless key must be programmed first before it can be assigned to a user).</td>
</tr>
<tr>
<td>![Save Icon]</td>
<td>10. Press the Save icon.</td>
<td></td>
</tr>
</tbody>
</table>

How to Add an Existing User to a Second Keypad
After adding a user to the first keypad, the same user can be added to a second keypad. From the second keypad go to “User Setup” and enter the same user name and same user code (refer to “How to Add a User” above). The second keypad will automatically update the user information. Press Save.

How to Delete a User
Delete a User as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Delete User Icon]</td>
<td>1. Select the User you want to delete.</td>
<td>Three selections are available: add a user, edit a user, or delete a user.</td>
</tr>
<tr>
<td>![Delete User Icon]</td>
<td>2. Press the DELETE USER icon.</td>
<td>The Confirm Delete screen is displayed.</td>
</tr>
<tr>
<td>![Delete User Icon]</td>
<td>3. Enter your Authorized Code.</td>
<td></td>
</tr>
<tr>
<td>![Delete User Icon]</td>
<td>4. Press the appropriate icon.</td>
<td></td>
</tr>
</tbody>
</table>

How to Edit a User
Note: You cannot edit a User name or User number. To modify a User name or User number, you must delete the User and re-enter the User. Edit a User as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Edit User Icon]</td>
<td>1. Press the EDIT USER icon.</td>
<td>Three selections are available: add a user, edit a user, or delete a user.</td>
</tr>
<tr>
<td>![Edit User Icon]</td>
<td>2. Enter your Authorized Code.</td>
<td></td>
</tr>
<tr>
<td>![Edit User Icon]</td>
<td>3. Select the options needed for this user and press Save.</td>
<td></td>
</tr>
</tbody>
</table>
User System Setup (cont’d)

Time/Date Setup
You can set the time and date from the Set Time & Date screen. When the time is set it is stored in the keypad and sent to the control panel when you press Apply and answer Yes to the following prompt. Additionally, when using the keypad, the panel may download its time into the keypad periodically after the clock is set (for Vista residential and newer commercial panels such as Vista 128BPT). If the Get Time icon is pressed, the keypad downloads the time and date from the control panel and exits the Set Time & Date screen. Note: This icon appears with residential panels and may not appear with all commercial panels.

Setting Daylight Savings Time
To set the daylight savings time, from the "Home" screen do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| 🌞 | 1. Press Setup and the System Setup icon.  
2. Press the Time/Date Setup icon and enter your Authorized Code.  
3. Press the DST icon if you want daylight savings time to affect your system clock.  
4. Set the “Start DST” time and then the “End DST” time by pressing the Month, Weekend and Hour that you want DST to start.  
5. APPLY saves the settings. | If DST On (Daylight Savings Time) is selected, the keypad adjusts for Daylight Savings time at the month, week and time chosen. Make sure “DST On” is checked to enable this feature. |

Setting Current Time and Date
To set the current time, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| 🕒 | 1. Press the Time/Date Setup icon; enter your Authorized Code.  
2. Press the Month “arrow”, and select the current month.  
3. Press the Year that is being displayed and enter the current year.  
4. Press the Hour that is being displayed and enter the current hour.  
5. Press the Minutes that is being displayed and enter the current minute.  
6. Select AM or PM. (Each depression switches the AM/PM display).  
7. Press the MMDDYY “arrow”, and select a format for which you want the year to be displayed.  
8. Press Apply. | After each selection the window closes automatically and the selection is displayed. The selected date is highlighted on the screen. Select if you want a 12-hour or 24-hour format for your time display by pressing the circle to the left of the 12 Hour display. A confirmation screen displays: Time Setting Confirmation  Set time on the security system as well? Yes or No  Yes saves the time changes in your security system. No saves the changes to the keypad only. Note: A Yes response is recommended. |


**System Information**

To view the current software/firmware version installed on your system, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Setup](icon) | 1. From the “Home” screen, press the **Setup** icon.  
2. Press the **System Info** icon. | The Interface Name, Host Name, MAC Address, CRC, IP Address, Broadcast Address, and NetMask are also displayed. |

**Keypad Reset**

To access Keypad Reset do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Setup](icon) ![Advanced Setup](icon) | 1. From the “Home” screen, press **Setup** and the **System Setup** icon.  
2. Press the **Advanced Setup** icon.  
3. Enter your Authorized Code.  
4. Press the **Keypad Reset** icon. | When the Keypad Reset icon is pressed, the message is displayed:  
**Confirmation**  
Are you sure you want to reset?  
Select Yes or No. |

**Advanced Setup**

The Advanced Setup screen allows access to Keypad Reset, Keypad Test, Night Setup and Output Setup menus.

**Keypad Test**

A series of diagnostic tests are provided that allows verification of correct operation of the keypad and its connections to the security system. There are a total of five diagnostic tests; LCD Display Test, Audio Test, LED Test, Calibration Test, and Z-Wave Test.

**Performing Diagnostic Tests**

Select any diagnostic test from the “Diagnostics” screen by pressing its associated Test icon. All or any individual test may be run when you access the “Diagnostics” screen; however, each test must be performed one at a time. At any time when a test is not being performed, you can press:

- back to return to the previous screen, or  
- home to return to your home page.

Once the Diagnostics screen is exited, subsequent entry to this screen displays all test options as “Not Performed.”

**LCD Display Test**

Perform the LCD Display Test as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Advanced Setup](icon) ![Keypad Test](icon) ![LCD Display Test](icon) | 1. Press the **Advanced Setup** icon.  
2. If applicable, enter your Authorized Code.  
3. Press the **Keypad Test** icon.  
4. Press the **LCD Display Test** icon; a series of screens appear.  
After each type of display, you are asked if the display was proper. | The **Emergency** screen cannot be accessed while running the LCD Display Test.  
If the response to all questions is yes, the LCD Display Test message area of the Diagnostics screen displays “Passed”. |

**Audio Test**
**User System Setup (cont'd)**

Perform the Audio Test as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Audio Test icon]</td>
<td>1. Press the <strong>Audio Test</strong> icon; &quot;Testing..&quot; is displayed while beeps sound from the speaker. At the conclusion of the test, a pop-up &quot;Confirmation Window&quot; is displayed with the question &quot;Did you hear Beeping?&quot;</td>
<td>When you press Yes, &quot;Passed&quot; is displayed in the test status column on the &quot;Diagnostics&quot; screen. When you press No, &quot;Failed&quot; is displayed in the test status column on the &quot;Diagnostics&quot; screen.</td>
</tr>
</tbody>
</table>

**LED Test**

Perform the LED Test as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![LED Test icon]</td>
<td>1. Press the <strong>LED Test</strong> icon; &quot;Testing..&quot; is displayed while the 3 LEDs light sequentially, top to bottom (red, green, yellow), 5 times.</td>
<td>At the conclusion of the test, a pop-up &quot;Confirmation Window&quot; is displayed with the question &quot;Did you see chasing LED pattern?&quot; If you press Yes, &quot;Passed&quot; is displayed in the test status column on the &quot;Diagnostics&quot; screen. If you press No, &quot;Failed&quot; is displayed in the test status column on the &quot;Diagnostics&quot; screen.</td>
</tr>
</tbody>
</table>

**Calibration Test**

If the Touch Screen requires recalibration, do the following:

**Z-Wave Test**

This procedure is for Z-Wave test purposes only.

Role shifting is the process of shifting primary and secondary keypads (controllers). The secondary controller becomes the primary controller with the ability to enroll Z-Wave devices. This is useful when the primary controller is in a fixed location and the Z-wave device is not easily accessible (but within Z-Wave range). To perform the role shifting Z-Wave Test, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Calibration icon]</td>
<td>1. Select the <strong>Calibration</strong> icon and using a stylus, follow the screen directions by pressing a series of crosshairs (+) and boxes (☐) on the screen until done. 2. If the test was successful, press OK; the screen returns to the Keypad Test screen.</td>
<td>A pop-up message displays: Touch screen calibration Touch crosshair to calibrate If the Calibration test was successful, a confirmation screen appears stating: &quot;Congratulations Calibration Success&quot; If the test was unsuccessful, an error message appears stating: &quot;Calibration failed, do you want to retry?&quot; Yes or No.</td>
</tr>
</tbody>
</table>

Note: The status of the controller can only be changed from Primary to Secondary controller when no devices are enrolled. Use the delete device or reset controller function to remove enrolled devices.
User System Setup (cont’d)

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![icon](Z-Wave Primary Controller Shift to Secondary.png) | (Primary) state, press the **Z-Wave Primary Controller Shift to Secondary** icon. | Select from two main categories of tests:  
• **Z-Wave Role Shifting**: Primary to Secondary and Secondary to Primary.  
• **Z-Wave Basic Command**: Set On or Off. 
A pop-up window is displayed with the following:  
"Role Shift is in progress, please wait ... This Z-Wave controller shift function is for evaluation only now. This primary controller is shifting to the secondary. The Shift is completed when the pop-up window disappears."
| ![icon](Z-Wave Secondary Controller Shift to Primary.png) | 5. To shift the primary controller role to a handheld controller, follow the handheld controller manufacturer’s instructions. When the pop-up message disappears and controllers have shifted successfully, Z-Wave devices can be enrolled from this controller.  
6. Shift the Tuxedo Touch back to the primary controller after enrolling Z-wave devices. First, initiate the role shift on the handheld controller from primary to secondary referring to manufacturer’s instructions. Then, press the **Z-Wave Secondary Controller Shift to Primary** icon on the keypad.  
7. Select the **Z-Wave Basic Command Set On** icon to turn On all lamp modules, dimmer On/Off switches and receptacles.  
8. Select the **Z-Wave Basic Command Set Off** icon to turn Off all lamp modules, dimmer On/Off switches and receptacles. | **Note**: The **Z-Wave Primary Controller Shift to Secondary** icon is inactive when the Tuxedo Touch keypad becomes the secondary controller.  
**Note**: This command does not control door locks or any other security enabled devices.  
**Note**: This test may cause lights and thermostat settings to change.”  
**Note**: This test may cause lights and thermostat settings to change.” |
| ![icon](System Setup and Advanced Setup.png) | NIGHT Setup Function  
The NIGHT function can be set to arm the system in one of five arming modes:  
• Away - Arms all zones with entry delay.  
• Stay - Arms perimeter zones with entry delay.  
• Instant - Arms perimeter zones without entry delay.  
• Night (Residential Panels Only) – Arms all perimeter zones plus all zones listed in Zone List 5.  
• Maximum - Arms all zones without entry delay. Not to be used for ANSI/SIA CP-01 installations.  
To set the NIGHT function, do the following:  
1. Press the **System Setup** and **Advanced Setup** icon.  
2. Enter your Authorized Code, if required. |  
| ![icon](Night Setup.png) | 3. Press the **Night Setup** icon.  
4. Select the arming mode to be activated when **NIGHT** is selected on the "Arming" screen. | Apply accepts the setting.  
Back cancels your selection. |
| ![icon](Output Setup.png) | Output Setup Function  
The Output Setup screen displays Output selections. There are a maximum of 18 outputs that can be enabled or disabled. To set the Output Setup function, do the following: |
User System Setup (cont’d)

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Icon] | 1. Press the **System Setup** and **Advanced Setup** icon.  
2. Enter your Authorized Code, if required.  
3. Press the **Output Setup** icon.  
4. Select the outputs to display or not display on the Output screen and press **Apply**. | This is a local setting for the graphic keypad. If user has the maximum number of keypads on the system, and wants to disable the same output for all, each keypad needs to be set individually.  
A confirmation window is displayed stating:  
“Information Settings saved”  
Press OK to save the setting |

**Output Setup Icons**

- ![Apply Icon]  
- ![OK Icon]  
- ![Back Icon]  
- ![Home Icon]  

If the Back icon is pressed, a confirmation window appears stating:  
“Output Settings changed. Do you want to save new settings?”  
Select Yes or No.
**Automation**

The Automation feature allows access to **Group Setup**, **Scene Setup**, **Z-Wave Setup** and **Output List**.  
**WARNING:** Automation is intended for lifestyle convenience. Do not use automation for life safety and property protection.  

| UL | Automation functionality is supplementary only and has not been evaluated by UL.  
| UL | Z-Wave applications have not been evaluated by UL.  

**Enroll/Adding Z-Wave Devices**  
Before a device will work in the home control network, it must be “Enrolled” (added) into the network. Each device must be installed according to the manufacturer’s instructions. View the “Programming of Z-Wave Devices” training video and follow the instructions below to add and control devices in a home control network.  

| UL | Access control functionality has not been evaluated by UL and may not be used in UL Listed applications.  

**Enroll/Add a Light Module, Switch or Outlet Module**  
To enroll a Z-Wave Light, Switch or Outlet module, do the following:  

**ICON** | ACTION | NOTES  
--- | --- | ---  
| ![Icon](image1) | **1. At the Tuxedo Touch Keypad:**  
  a) Press the **Automation** icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
  b) Press the **Z-Wave Enroll/Add** icon.  
| ![Icon](image2) | **2. At the device Module:**  
  a) Press the **Function Key** on the device.  
  The keypad displays a series of messages:  
  “Start add device.”  
  “Please press function key on device”  
  “Adding Controller Unit”  
  “Adding Slave Unit”  
  “Device added successfully” |  
**Note:** Z-Wave light modules may vary; follow the instructions in the User Guide for your specific device to enroll properly.  
- If a dimmer module was added, an On/Off button and a slide bar (to control the dimmer) are displayed.  
- If an on/off light, appliance, switch or outlet module was added, an On/Off button (to control the device) is displayed.  

**Z-Wave Device Management Icons**  

| ![Icon](image3) | ![Icon](image4) | ![Icon](image5) | ![Icon](image6) | ![Icon](image7) | ![Icon](image8) | ![Icon](image9) | ![Icon](image10) | ![Icon](image11) | ![Icon](image12) |
| Enroll/Add | Delete | Abort | Remove | Failed | Edit | Reset Default | Router | Security | Link |
**Enroll a Door Lock Device (Entry Control)**

Assemble the Z-Wave door lock. **NOTE:** Be sure the door lock orientation/handedness is correct. Refer to the Door Lock's *Instruction Guide* and connect necessary cables, then install batteries. Enroll the door lock within 5 feet of the keypad refer to the Door Lock's *Instruction Guide for enrollment procedure.*

**NOTE:** Program the user code in the control panel prior to programming that user code into the door lock. User Codes must be 4-digits.

Enroll a door lock device as follows:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Automation Icon](image) | 1. At the Tuxedo Touch Keypad:  
   a) Press the **Automation** icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
   b) Press the **Z-Wave Enroll/Add** icon. | **Note:** Door lock devices may vary; follow the instructions in the *Users Guide* for your specific door lock to enroll properly and to program a new user code.  
The keypad displays a series of messages:
   - “Please press * function key on device”
   - “Adding to Security Network”
   - “Device added successfully”
   * Enrollment procedure may vary depending on the door lock device. Refer to the door lock instructions for enrollment procedure.  
**Note:** If software is upgraded on the Tuxedo Touch keypad, enroll the door lock again and re-set the user code in the door lock. |
| ![Door Lock Icon](image) | 2. At the door lock:  
   a) Program the selected user code from the panel; refer to Door Lock *User Guide.* | |

**Enroll a Honeywell Thermostat**

Install a Honeywell Thermostat according to the manufactures instructions. Device should be mounted in the final location and tested before adding it to the system.

To enroll a Honeywell Thermostat into a Z-Wave network, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Automation Icon](image) | 1. At the Tuxedo Touch Keypad:  
   a) Press the **Automation** icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
   b) Press the **Z-Wave Enroll/Add** icon. | **Note:** If installing another brand of thermostat, follow the instructions in the *Users Guide* for that specific thermostat to enroll properly.  
Some thermostats do not update temperature status automatically (i.e., Wayne Dalton).  
**IMPORTANT:** Honeywell is not responsible for property damages due to improper setting of the thermostat modes.  
The keypad displays a series of messages:  
   - “Please press * function key on device”
   - “Adding Controller Unit”
   - “Adding Slave Unit”
   “Device added successfully”  
* Enrollment procedure may vary. Refer to the thermostat instructions for enrollment procedure.  
**Press the **Refresh** icon; the device is displayed. |
| ![Thermostat Icon](image) | 2. At the Z-Wave thermostat:  
   a) Select **Thermostat**; set the Time and Date.  
   b) Follow the instructions in the thermostat *Installation Guide* for “Z-Wave inclusion”.  
   c) To complete inclusion, press **Done.**  
   d) Press **Exit** on the thermostat to return to normal operation. | |
| ![Refresh Icon](image) | 3. At the Tuxedo Touch Keypad:  
   a) To verify activation, press the **Back** icon and wait 30 seconds. |
## Editing Z-Wave Device Names

**Edit a Device Module Name**

To edit a device name, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Icon] | 1. At the Tuxedo Touch Keypad:  
a) Press the **Automation** icon from the “Home” screen and press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) Highlight the device name and press the **Z-Wave Edit** icon.  
c) On the “Data Entry” keyboard, press **Clear** and enter a new name; press **GO**. | Enter the new device name by entering it on the data entry keyboard.  
• Press the **Up Arrow** key to switch to capital letters  
• Press the **X** key to delete  
• Press the **ABC/?123** key to switch between numerals and symbols/characters.  
• Press **GO** to return to the previous screen. |

### Remove/Delete Z-Wave Devices

**Remove a Light, Outlet, or Switch Module**

To remove a device from the Z-Wave network, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Icon] | 1. At the Tuxedo Touch Keypad:  
a) Press the **Automation** icon and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) Highlight the device to remove and press the **Z-Wave Remove/Delete** icon.  
2. At the device module:  
a) Press the **Function Key** to remove the device from the keypad. | **Z-Wave Remove/Delete** - clears the node from the keypad and resets device to the default setting.  
Notes:  
• If the device is not removed, refer to the “Z-Wave Troubleshooting” section.  
• To remove a defective device, refer to the “Z-Wave Troubleshooting” section. |

**Remove a Door Lock Device**

To remove a door lock module from the Z-Wave network, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Icon] | 1. At the Tuxedo Touch Keypad:  
a) Press the **Automation** icon and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) Highlight the device to remove and press the **Z-Wave Remove/Delete** icon.  
2. At the door lock:  
a) Press the **Function Key** to remove the device from the keypad. | **Z-Wave Remove/Delete** - clears the node from the keypad and resets device to the default setting.  
Notes:  
• If the device is not removed, refer to the “Z-Wave Troubleshooting” section.  
• When removing the door lock, the user code associated with the door lock will remain in the system. If needed refer to the panel **Installation Instructions** on how to remove this user code.  
• To remove a defective device, refer to the “Z-Wave Troubleshooting” section. |
Remove a Honeywell Thermostat
To remove a Honeywell Thermostat from the Z-Wave network, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Automation Icon] | 1. At the Tuxedo Touch Keypad:  
a) Press the Automation icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) Highlight the thermostat and press the **Z-Wave Remove/Delete** icon.  
   Note: Honeywell is not responsible for property damages due to improper setting of the thermostat modes.  
   **Z-Wave Remove/Delete** - clears the node from the keypad and resets device to the default setting. | |
| ![Thermostat Icon] | 2. At the thermostat:  
a) Follow the instructions in the thermostat Installation Guide under "Installer setup" to "Remove a Z-Wave Network Connection".  
b) Once the exclusion process is complete, press **Done** and the thermostat is removed.  
   Notes:  
   • If the device is not removed, refer to the “Z-Wave Troubleshooting” section.  
   • To remove a defective device, refer to the “Z-Wave Troubleshooting” section. | |

Remove All Z-Wave Devices

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Automation Icon] | 1. At the Tuxedo Touch Keypad:  
a) Press the Automation icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) Press the **Z-Wave Reset** icon to delete all devices from the controller.  
c) Select **Yes** or **No**.  
   The message is displayed:  
   **Window Warning**  
   This Z-WAVE controller is about to be factory defaulted and will lose all devices in the enrolled list. All Z-WAVE devices must be re-enrolled after this reset.  
   Yes or No | |

Abort a Z-Wave Action

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Automation Icon] | 1. At the Tuxedo Touch Keypad:  
a) Press the Automation icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) Press the **Z-Wave Abort Operation** icon to abort that process.  
   If inadvertently a wrong process is selected, (i.e., add, delete, or remove failed device) press the **Z-Wave Abort** icon to abort that process. | |
Automation (cont’d)

Output List
To access the Output List, from the “Home” screen, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Automation Icon" /></td>
<td>Press the Automation and Output icons.</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Automation Icon" /></td>
<td>Enter your Authorized Code.</td>
<td></td>
</tr>
<tr>
<td><img src="image" alt="Automation Icon" /></td>
<td>Use the OFF or ON button to control outputs.</td>
<td></td>
</tr>
</tbody>
</table>

Scene Setup
The Scene feature is used to control a single device, or multiple devices based on pre-set “Conditions,” “Triggers,” and “Actions”. When a trigger/condition occurs, the action is executed. View the “Customizable Automation Scene” training video and then do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Scene Icon" /></td>
<td>At the Tuxedo Touch Keypad:</td>
<td>INFORMATION: Scenes must have at least a trigger and 1 action to work. Use the Data Entry Keyboard to enter all required information.</td>
</tr>
<tr>
<td><img src="image" alt="Scene Icon" /></td>
<td>a) Press the Automation icon and then press the Scene Setup icon to display the “Scene Management” screen.</td>
<td>• Press the Up Arrow key to switch to capital letters</td>
</tr>
<tr>
<td><img src="image" alt="Scene Icon" /></td>
<td>b) Press the Add icon.</td>
<td>• Press the X key to delete</td>
</tr>
<tr>
<td><img src="image" alt="Scene Icon" /></td>
<td>c) Press the Scene Name box, enter a Scene Name and press OK.</td>
<td>• Press the ABC/.?123 key to switch between numerals and symbols/characters.</td>
</tr>
<tr>
<td><img src="image" alt="Scene Icon" /></td>
<td>d) Add a “Condition,” “Trigger,” and “Action” that you want to occur for this Scene. See example below.</td>
<td>• Press GO to return to precious screen.</td>
</tr>
<tr>
<td><img src="image" alt="Scene Icon" /></td>
<td>After each selection press Save!!</td>
<td>Press Delete to cancel, or Edit to change your selections.</td>
</tr>
</tbody>
</table>

Scene Icons
Condition/Trigger/Action Icons

Scene Rules
- Triggers and Conditions include: Time setting, Security mode, Thermostat setting, Door Lock status and Zones.
- Actions include: Security mode, Lights On/Off/OnForTime, Thermostat setting, and Door Lock status.
- Each Trigger event can have up to 3 Actions.
- A Trigger event and Condition cannot be the same (i.e., if setting a Trigger event for SECURITY, you cannot set a SECURITY Condition).
- A total of 10 Scenes can be created.

Note: Determine if you need a Condition. The Condition is a ‘condition’ set to occur prior to a trigger event. See example below.

Example: Turn the lights on, when the system is disarmed, but only at night.
(Condition) ... “only at Night” ...Set the TIME condition (enter the Start and End Times.
(Trigger) ......when the “system is Disarmed” ...Set the Trigger to SECURITY: System Disarm.
(Action) ... Turn the “lights ON” ... ... Set the Action to LIGHT: ON.
### Scene Setup Options

**Options for adding a Condition (if needed) — After each selection press SAVE!!!**

In the “Condition” box, press the Add icon.

**To set the time,** press the TIME button. “Set the occurrence” to Repeated, or Once. If “Repeated” was selected, choose the desired days of the week. If ONCE was selected, Enter Date. The Time can be set to execute automatically at Sunrise or Sunset by pressing the Sunrise/Sunset option. Note: The Sunrise/Sunset feature is dependent on the “Region” selected in the “Weather Forecast” section and requires internet access for accuracy. Press the BY CLOCK button (to limit the scene to execute only from within a specified time window) and press on the “hour/minutes” displayed to enter the desired time on the data entry keyboard. Press on AM/PM to change the setting.

**To set the security mode,** press the SECURITY button and select: DISARM, AWAY (triggers upon arming away), STAY, NIGHT, AWAY SECURED (triggers when exit delay has expired) or ALARM.

To set the thermostat settings, press the THERMOSTAT button and select a Thermostat Device from the drop-down menu. Use the ABOVE and BELOW buttons to increase/decrease the temperature or press the Temperature Value box and enter 2 digits for the desired temperature. Note: Test thermostats first to ensure proper function in the “Scene”.

To set the door lock status, press the DOOR button and select a Door Device from the drop-down menu (see notes below). Select LOCKED or UNLOCKED.

**To set the zones,** press the Zones button and select a zone from the drop-down menu. Select Restore, Alarm or Fault. Note: Do not use zone Restore option in the Condition field.

**Options for adding a Trigger — After each selection press SAVE!!!**

In the “Trigger” box, press the Add icon.

**To set the time,** press the TIME button and “Set the occurrence” to Repeated, or Once. If “Repeated” was selected, choose the desired days of the week. If ONCE was selected, Enter Date. The Time can be set to execute automatically at Sunrise or Sunset by pressing the Sunrise/Sunset option. Note: The Sunrise/Sunset feature is dependent on the “Region” selected in the “Weather Forecast” section and requires internet access for accuracy. Press the BY CLOCK button (to limit the scene to execute only from within a specified time window) and press on the “hour/minutes” displayed to enter the desired time on the data entry keyboard. Press on AM/PM to change the setting.

**To set the security mode,** press the SECURITY button and select: DISARM, AWAY (triggers upon arming away), STAY, NIGHT (for residential panels only) AWAY SECURED (triggers when exit delay has expired) or ALARM.

To set the thermostat settings, press the THERMOSTAT button to select the Thermostat Devices from the drop-down menu. Use the ABOVE and BELOW button to increase/decrease the temperature range or press the Temperature Value box and enter 2 digits for the desired temperature. Note: Test thermostats first to ensure proper function in the “Scene”.

To set the door lock status, press the DOOR button to select a Door Device from the drop-down menu (see notes below). Select LOCKED, UNLOCKED or CODE UNLOCKED.

**To set the zones** press the Zones button and select a zone from the drop-down menu. Select Restore, Alarm or Fault. Note: Do not use zone Restore option in the Condition field.

**Options for adding an Action — After each selection press SAVE!!!**

In the “Action” box, press the Add icon.

**To set a security mode,** press the SECURITY button and select: DISARM, NIGHT, AWAY, STAY. Enter User Code, if req’d.

**To set the light on/off,** press the LIGHT button and select a Light Device from the drop-down menu; set the action to ON, OFF; or select ON FOR TIME to limit the scene to execute only from within a specified time window and press on the “Hour/Minutes” displayed to enter the desired time on the data entry keyboard. Press on AM/PM to change the setting.

To set the thermostat settings, press the THERMOSTAT button and select a Thermostat from the drop-down menu. Press the Set Mode button to set the Action to “Off”, “Heat”, or “Cool”. Press the Set Energy button and select from “Normal” or “Saving” energy mode. Press the Set Point button to enter a set point value for “Heat Point” and “Cool Point”. Note: Test thermostats first to ensure proper function in the “Scene”.

**To set the door lock status,** press the DOOR button and select a Door Device from the drop-down menu (see notes below). Set the action to LOCKS or UNLOCKS.
Notes:
1. Motorized door lock bolts physically lock and unlock when activated, but if the door lock installed is a non-motorized type, activation allows the door to be manually unlocked without a key. See “Compatible Devices” section for further information.
2. Some thermostats do not update temperature status automatically (i.e., Wayne Dalton).
3. When using a Kwikset Smartcode electronic deadbolt door lock (in a Scene that is programmed to trigger when unlocked) the Scene does not trigger if using a key; enter a user code.

Create a Group
Multiple Z-wave devices can function together in a group. Up to 50 groups can be created. Follow the procedure below to create a Group.

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Automation Icon] | Press the Automation icon and then press the Group Setup icon.  
2. Press the Add icon and enter a “Group Name” on the “Data Entry” keyboard.  
3. Press GO.  
4. Highlight the device(s) from the list that you want to add to this Group and press the Save icon. | Group names (i.e., All, etc.) are displayed across the top to the screen. Use the Data Entry Keyboard to enter all required information.  
- Press the Up Arrow key to switch to upper case letters  
- Press the X key to delete  
- Press the ABC/?.123 key to switch between numerals and symbols/characters.  
- Press GO to return to the previous screen. |

Group Setup Icons

<table>
<thead>
<tr>
<th>Icon</th>
<th>Action</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Delete Icon]</td>
<td>Delete</td>
<td>If settings were changed, a pop-up window displays: Settings saved. Select OK to save.</td>
</tr>
<tr>
<td>![Edit Icon]</td>
<td>Edit</td>
<td></td>
</tr>
<tr>
<td>![Add Icon]</td>
<td>Add</td>
<td></td>
</tr>
<tr>
<td>![Save Icon]</td>
<td>Save</td>
<td></td>
</tr>
</tbody>
</table>

Setting a Secondary Keypad (Controller)
After all Z-Wave devices have been enrolled into the Primary Keypad (Controller), the device information on the Primary Controller can be downloaded to a Secondary Keypad (Controller). Keep the controllers within 10 feet of each other, apply power to the Secondary Controller and do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Primary Keypad Icon] | 1. On the Primary Controller:  
a) Press the Automation icon from the “Home” screen and then press the Z-Wave Setup icon to display the “Z-Wave Device Management” screen. | If used for Remote Services, Tuxedo WiFi should not be configured as a secondary controller. See the Remote Services section. |
| ![Secondary Keypad Icon] | 2. At the Secondary Controller:  
a) Remove any Z-Wave devices that have been added.  
b) Press the Z-Wave Primary icon (located in the lower right side of the screen).  
c) Select Yes to change this keypad to a Secondary Controller. | When the Primary Controller icon is pressed, the message is displayed: “Please remove all Z-wave devices from network first”  
The message is displayed: “Scanning for Devices”  
The message is displayed: “Updating Devices. Please Wait” |
### Updating Keypads (Controllers) with New or Removed devices

When devices are added or removed from the Z-Wave network, the device information needs to be updated in the Secondary Keypad (Controller). From the Primary controller, do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Add Icon] | 1. Press **Add** on Primary controller.  
2. Press **Add** on Secondary controller. | The controller scans for device changes.  
The message is displayed:  
“Devices added Successfully” |

### Removing a Secondary Keypad (Controller)

To remove the Secondary Keypad (Controller), do the following:

<table>
<thead>
<tr>
<th>ICON</th>
<th>ACTION</th>
<th>NOTES</th>
</tr>
</thead>
</table>
| ![Delete Icon] | 1. At the Primary Controller keypad:  
a) Press **Delete**.  
b) Press **Delete** on Secondary Controller keypad. | Both keypads will display, “Device Removed” and the Secondary Controller keypad will revert back to the Primary Controller. |

### Z-Wave Troubleshooting

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>SOLUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot add new device.</td>
<td>Make sure Z-Wave device is within range of the keypad. You may need to move device closer to the keypad. Refer to the Z-Wave device <em>Instruction Guide</em> for proper range.</td>
</tr>
</tbody>
</table>
| Device is within proper range but still will not enroll. | 1. At the Tuxedo Touch Keypad:  
a) Press the **Automation** icon from the “Home” screen and then press the **Z-Wave Setup** icon to display the “Z-Wave Device Management” screen.  
b) If the device does not appear on the screen, press the **Z-Wave Remove/Delete** icon.  
2. At the Z-Wave device, press the **Function Key**. The screen will display a message “Device Removed”.  
3. At the Tuxedo Touch Keypad:  
a) Enroll device again. |
| Highlighted device will not delete. | When deleting a device, if the selected device remains on the screen, highlight the device name and press the **Z-Wave Removed Failed** icon. |
Remote Services
The Tuxedo Touch™ WiFi supports Remote Services for controlling Z-Wave devices and scenes remotely from an associated Total Connect account.

The following describes the related features:

- **Tuxedo Touch WiFi [automation]** can be controlled from a smart phone, i-Pad™, Android™ Tablet, Blackberry® or PC using Total Connect and includes webpage support for iOS6 and Google-TV
- Automation scenes can be created in both Total Connect and Tuxedo Touch WiFi
  (Scenes created in Total Connect can be edited only via Total Connect)
- Scenes created in Total Connect can be viewed from either Total Connect or directly from Tuxedo Touch WiFi using the Remote selection on the Tuxedo Touch WiFi scenes page
- Scenes created in Tuxedo Touch WiFi cannot be viewed from Total Connect.

**NOTE:** It is assumed that Z-Wave® devices have already been enrolled in Tuxedo. If not, refer to the Automation section in the Installation Instructions for details on enrolling Z-Wave devices and creating scenes. It is also assumed the installer has an AlarmNet Direct account and is familiar with Total Connect. If not, contact an AlarmNet representative to open an account.

The following table summarizes the relationships between Total Connect scenes and Tuxedo scenes:

<table>
<thead>
<tr>
<th>Controlling Device</th>
<th>Scenes created in Total Connect</th>
<th>Scenes created in Tuxedo</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>View</td>
<td>Edit Scenes</td>
</tr>
<tr>
<td>Total Connect</td>
<td>yes</td>
<td>yes</td>
</tr>
<tr>
<td>Tuxedo</td>
<td>yes</td>
<td>no</td>
</tr>
</tbody>
</table>

**Note:** For troubleshooting purposes, Total Connect server information (including IP addresses) can be viewed on the Total Connect Server Setup screen by pressing the TC Server Info button (see next page).

Remote Services Setup

**NOTE:** If used for Remote Services, Tuxedo Touch WiFi should not be configured as a secondary controller.

To use Remote Service, do the following:

1. Verify the Tuxedo is connected to the Internet via WiFi or its Ethernet connector.
2. Enable AlarmNet Direct, enroll the communication device and Tuxedo keypad, and enable Total Connect usage. The screen displays “using Tuxedo Automation Module” (Yes / No); select Yes.
   You will need the Tuxedo keypad’s MAC ID and CRC number, which can be found on a label on the back of the Tuxedo keypad or on its carton.
   **Note:** Only the Primary keypad (if there is more than one in the same installation) can be enrolled into Total Connect.
3. Open a Total Connect account for the user if an account does not already exist.
4. After a Total Connect account has been set up, the Tuxedo Keypad must be reset (powered down and powered up).
5. Enable automation devices to be controlled by Total Connect. See section “Enabling Devices for Total Connect”. After devices have been enabled for Total Connect, follow the Total Connect prompts to synchronize the data with Tuxedo. Syncing is required before the enabled devices will display in Total Connect.
Controlling Automation (Z-Wave) Devices Remotely
Use Total Connect to control Z-Wave devices: lamp modules (binary switch), dimmer modules (multilevel switch), thermostats, etc., from a smart phone, i-Pad™, Android™ Tablet, Blackberry® or PC.
1. Access the Total Connect account and navigate to the Automation section of the dashboard.
2. Select a displayed device and click the desired action. Refer to the Total Connect online help guide for further details on controlling Z-Wave devices.

Creating Scenes in Total Connect
Use the Automation section of the dashboard in Total Connect to create up to 20 scenes. Refer to the Total Connect Online Help Guide for further details and device limitations for creating an automation scene.
1. Access the Total Connect account and navigate to the Automation module. Click Create New. Enter a name for the scene, select an icon, and then click on the check boxes for the various device actions desired for that scene. Set the thermostat, if used, to the desired mode and/or temperature for that scene. Click Save when done.
   NOTE: Scenes created in Total Connect can be edited only from Total Connect.
2. After scenes have been created, follow the Total Connect prompts to synchronize the data with Tuxedo. Syncing is required before scenes created in Total Connect will display in Tuxedo.

Viewing and Controlling Total Connect Scenes from Tuxedo
Use the Scenes icon to display and control scenes that have been created in Total Connect.
1. From the “Home” screen, press the Automation and Scene Setup icons, then press the Remote button. The screen displays a list of scenes created in Total Connect.
   NOTE: The Local button allows you to view a list of scenes created in Tuxedo.
2. To control a Remote scene, select the desired scene, then click the appropriate action (ex. Run).

Enabling Devices for Total Connect
After scenes have been created, follow the Total Connect prompts to synchronize the data with Tuxedo. Syncing is required before scenes created in Total Connect will display in Tuxedo.
1. From the “Home” screen, press Automation > Z-Wave Setup; the “Z-Wave Device Management” screen is displayed.
2. Press the TC Enable icon; the “Z-Wave Device Management For Total Connect” screen is displayed.
3. Select the device that you want to enable/disable in Total Connect.
   NOTE: Devices are defaulted to Enable.
4. Press the Save icon when done.
5. After devices have been enabled for Total Connect, follow the Total Connect prompts to synchronize the data with Tuxedo. Syncing is required before the enabled devices will display in Total Connect.

NOTES:
1. Device IDs for Z-Wave devices could be different on Tuxedo and Total Connect web pages.
2. On Total Connect, the maximum number of supported devices is 40 switches, 3 thermostats, and 4 door locks.

Total Connect Server Screen for Troubleshooting
The “TC Server Info” screen displays the current server information and Z-Wave device status. This information is typically used for IP connection troubleshooting purposes in collaboration with a service technician.
To access Total Connect Server Information and Z-Wave Status from the Tuxedo keypad, do the following:
Automation (cont’d)

1. From the “Home” Screen, press the Setup icon and then press System Setup > CS Setup; enter the installer code (if required). Press the TC SERVER INFO button.
2. The “Total Connect Server Setup” screen is displayed with the current Server information and Z-Wave Status (enabled/disabled).
   NOTE: These fields are for reference only and cannot be edited.
3. Press the Connect icon to test the connection to the AlarmNet servers.

Compatible Devices
Z-Wave devices may vary; follow the instructions in the Users Guide for your specific device when adding and deleting devices into the Z-Wave network.
Refer to the table below for some of the compatible devices.

<table>
<thead>
<tr>
<th>Door Locks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yale Real Living Push Button Lever Lock</td>
</tr>
<tr>
<td>Yale Real Living Touchscreen Lever Lock</td>
</tr>
<tr>
<td>Yale Real Living Push Button Deadbolt Lock</td>
</tr>
<tr>
<td>Yale Real Living Touchscreen Deadbolt Lock</td>
</tr>
<tr>
<td>Schlage Link Deadbolt Lock</td>
</tr>
<tr>
<td>Schlage Link Lever Lock</td>
</tr>
<tr>
<td>Kwikset Smartcode Lever lock</td>
</tr>
<tr>
<td>Kwikset Smartcode Deadbolt Lock</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Thermostats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honeywell ECC</td>
</tr>
<tr>
<td>Wayne Dalton Zwave Thermostat</td>
</tr>
<tr>
<td>Trane Zwave Thermostat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Appliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>HomeManageable Appliance Module</td>
</tr>
<tr>
<td>Wayne Dalton Small Appliance Module</td>
</tr>
<tr>
<td>GE Wireless Lighting Control Plug in Appliance Module</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Lights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leviton/ViziaRF+ Switches</td>
</tr>
<tr>
<td>Leviton/ViziaRF+ Dimmers</td>
</tr>
<tr>
<td>Leviton/ViziaRF+ Plug in Modules</td>
</tr>
<tr>
<td>GE Wireless Lighting Control Dimmers</td>
</tr>
<tr>
<td>GE Wireless Lighting Control Switches</td>
</tr>
<tr>
<td>GE Wireless Lighting Control Plug in Lamp Modules</td>
</tr>
</tbody>
</table>

Not all Z-wave devices have been tested and some features may produce unpredictable results.
Important Notes

For additional troubleshooting procedures, refer to the Control Panel Installation Guide.

General Notes

- You may check to see whether the Chime Mode is ON or OFF by viewing the keypad Operating Modes screen as described in “Operating Modes” in Section 5 of the keypad Installation and Setup Guide.
- Note that some displays on the keypad may not have enough space to display the whole name of a partition. When this occurs, the display shows as many characters as possible starting at the beginning of the partition name. We recommend that the partition name be kept to a maximum of 7 characters to ensure the “H” which indicates the home partition may be seen.
- “Exit Error” and “Auto Arm Alert, Please Leave Now” messages are not displayed by the keypad.
- When the system has 6150Vs or 6160Vs, and 6271Vs attached, the Additional Console setting in the 6150Vs (displayed as A on the 6150V) must be set to 1 and the Additional Console setting in the 6160Vs must be set to Yes.

Commercial System Notes

- If the Aux Relay function is set for alarm silenced by User Code + # + 67, this command may only be entered in the console emulation mode.
- Do not use the common lobby logic function.
- If fields 2*22 (Display Fire Alarms of other Partitions), 2*23 (Display Burg & Panic of other Partitions), or 2*24 (Display Troubles of other Partitions) are enabled, the zones that created the conditions cannot be viewed. You must go to that zone’s home partition to view.
- If field 1*11 (Zone Bypass After Disarm) is enabled, you must use the keypad’s Console Emulation Mode and the commands “Code” + “64” (unbypass all) or “Code” + “6” + “Zone Number” (unbypass zone) to remove zone bypasses.
- The First to Alarm Display Lock feature (field 1*10) is not supported by the keypad.
- RF Low Battery messages are not supported by the keypad except in the Show Zones screen where a Battery Icon is displayed for the zone with the low battery.

Residential System Notes

- If the Clean Me option is set, when the maintenance signal is received a “Fire Maintenance” message and the Display Faults icon is shown. However, if you display the faults, zone 1 is not shown as a faulted zone.
- If RF Jam Reports are selected and RF Jam is detected, the User Authorization screen displays “Trouble ZN100 RF Receiver”. If you enter the console emulation mode, the display shows “Check 90 RF Receiver Jam”.
- Do not use the Custom Word reminder feature.

User Related Notes

- Users added to the system using the keypad graphic user screen must be deleted from the keypad using the graphic screen as well. Deleting users from the panel by any other means (alpha keypad, console emulation mode, or Compass downloader) does not automatically delete them from the keypad.
Important Notes (Cont’d)

- If the panel has exit tones enabled and you arm the system in the Away mode, the keypad beeps continuously throughout the exit period.

Use the console emulation mode for the following functions:
- Programming more than 10 system users.
- Programming the Pager report option for users of residential control panels (e.g., VISTA-15P and VISTA-20P).
- Special Function Key operations (such as macros or single-button paging).
- End-User Scheduling.
- To check for an “Alarm Cancelled” message (on commercial panels only) if this feature has been enabled in the system.

Wireless Range

This device complies with the Z-Wave® standard of open-air, line of sight transmission distances of 100 feet. Actual performance in a home depends on the number of walls between the controller and the destination device, the type of construction and the number of Z-Wave enabled devices installed in the control network.

Please Note: Z-Wave home control networks are designed to work properly alongside wireless security sensors, Wi-Fi, Bluetooth and other wireless devices. Some 900 MHz wireless devices such as baby cams, wireless video devices and older cordless phones may cause interference and limit Z-Wave functionality.

Things to consider regarding RF range:
- Each wall or obstacle (such as refrigerator, big screen TV, etc.) between the remote and the destination device will reduce the maximum range of 100 feet by approximately 25-30%.
- Brick, tile or concrete walls block more of the RF signal than walls made of wooden studs and drywall.
- Wall mounted Z-Wave devices installed in metal junction boxes will suffer a significant loss of range (approximately 20%) since the metal box blocks a large part of the RF signal.

WARNING: NOT FOR USE WITH MEDICAL OR LIFE SUPPORT EQUIPMENT!
Z-Wave enabled devices should never be used to supply power to, or control the On/Off status or medical and/or life support equipment.

Controlling Devices:
The features and functions that can be controlled vary by manufacturer and you will need to review the user manual that was provided to determine capabilities of each device.

IMPORTANT: Honeywell is not responsible for property damages due to improper setting of the thermostat modes.
Effects of Home Construction on Wireless Range between Z-Wave Enabled Devices

Note: The distances shown in the table below are typical examples. Actual performance in your home will vary.

From the Remote (or repeating Z-Wave module) to the destination device:

<table>
<thead>
<tr>
<th>Number of Walls or Obstacles</th>
<th>Type of Construction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Wood Frame with Drywall</td>
</tr>
<tr>
<td>0**</td>
<td>100 ft</td>
</tr>
<tr>
<td>1</td>
<td>70 ft</td>
</tr>
<tr>
<td>2</td>
<td>49 ft</td>
</tr>
<tr>
<td>3</td>
<td>34 ft</td>
</tr>
</tbody>
</table>

* For Plug-in modules or in-wall devices installed in plastic junction boxes.
** Line of sight / no obstructions.

Z-Wave devices are identified by the Z-Wave logo and can be purchased from your local retailer.

Z-Wave® is a registered trademark Sigma Designs, Inc. and/or its subsidiaries.

UL CO annunciation has not been investigated by UL and may not be used for UL installations.
FEDERAL COMMUNICATIONS COMMISSION STATEMENTS

The user shall not make any changes or modifications to the equipment unless authorized by the Installation Instructions or User's Manual. Unauthorized changes or modifications could void the user's authority to operate the equipment.

FCC CLASS B STATEMENT

This equipment has been tested to FCC requirements and has been found acceptable for use. The FCC requires the following statement for your information:

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- If using an indoor antenna, have a quality outdoor antenna installed.
- Reorient the receiving antenna until interference is reduced or eliminated.
- Move the radio or television receiver away from the receiver/control.
- Move the antenna leads away from any wire runs to the receiver/control.
- Plug the receiver/control into a different outlet so that it and the radio or television receiver are on different branch circuits.
- Consult the dealer or an experienced radio/TV technician for help.

INDUSTRY CANADA CLASS B STATEMENT

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

FCC / IC STATEMENT

This device complies with Part 15 of the FCC Rules, and RSS 210 of IC. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la partie 15 des règles de la FCC & de RSS 210 des Industries Canada. Son fonctionnement est soumis aux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences nuisibles. (2) Cet appareil doit accepter toute interférence reçue y compris les interférences causant une réception indésirable.

RF EXPOSURE WARNING

The Tuxedo Touch WIFI must be installed to provide a separation distance of at least 7.8 in. (20 cm) from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except in accordance with FCC multi-transmitter product procedures.

For the latest warranty information, please go to:

www.honeywell.com/security/hsc/resources/wa