Honeywell

Tuxedo Touch WIFI
Home Automation System

User Guide
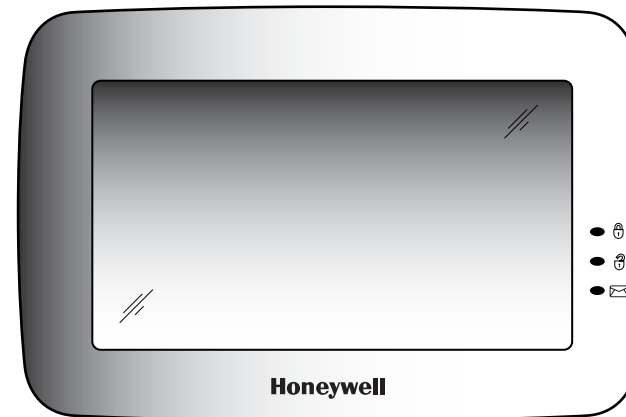
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> **NOTE:** This device is a Security Enabled Z-Wave Controller.

About the System

Introduction

Congratulations on your ownership of a Honeywell Tuxedo Touch WIFI Home Automation System which combines home-automation and home security. With clear, simple controls on a touch-screen interface, Tuxedo Touch is both easy to learn and easy to use. A Product/Training Video is provided containing easy step by step tutorials to assist with the setup and customization of the system.

System Interface

Equipped with Wi-Fi capability and built-in Z-Wave® technology, Tuxedo Touch WIFI can be retrofitted into home electronics devices and systems without interference from common household wireless electronics.

Features

The Tuxedo Touch wireless keypad, used for quick and easy security system operation, offers Z-Wave control of the home environment (lights, appliances, thermostats, door locks and cameras) via any web enabled device (PC, Smart Phone and Tablet).

- Thermostats – temperature control for energy conservation when away from home.
- Lights/Appliances - turn lights and appliances on when the security system is disarmed.
- Door locks - door unlocks when the security system is disarmed.
- Cameras – control and view up to four cameras in quad view at the same time from any web enabled device.

In addition, this system offers you burglary protection and may provide fire, carbon monoxide and emergency protection. To realize the full potential of the system, it is important that you feel comfortable operating it. Your system may consist of one or more of the following:

- TUXWIFIS Keypad (black/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 devices.

The system uses microcomputer technology to monitor all zones, and provides appropriate information for display on the keypad and/or other keypads used with the system. Your system may also have been programmed to automatically transmit alarm or status messages over the phone lines or wirelessly over GSM to a central alarm monitoring station.

U$_L$	Wi-Fi has not been evaluated by UL.

Navigating through the Tuxedo Touch Keypad

Navigation through the Tuxedo Touch Keypad typically begins from the "Home" screen. This is the main default screen (starting screen) and is the first screen you see when you power up and initialize the keypad. It is from this screen that you select from the main menu. Once you have made your selection, you can navigate through various sub-menus by pressing graphical icons to perform the function you desire.

About Your Home Screen

Your "Home" screen is the gateway to your System. From this screen you can:
- control your security system
- control your multi-media applications such as video, pictures and cameras
- control home automation such as lighting, thermostat, and door locks

Your "Home" screen is displayed most of the time and can be customized via the Multi-Media Application.

Multi-Media Application

The Picture/Video (Audio) features allow you to display personal photos (in a slide show format), and view video files via the external SD/SDHC card.

It is recommended that you use the SD/SDHC card supplied with the keypad.

In everyday handling, memory cards can become susceptible to malfunction and/or failure due to electrostatic discharges and the information on the card may be lost. In some extreme cases, the keypad may need to be reset.

NOTE: Honeywell is not responsible for any loss of personal information (files, videos, photos, etc.)

> The background and icons shown on the "Home" screen in this manual are for example only. Your system installer may have changed the actual background and icons shown on your "Home" screen.

Memory Card Insertion

Insert the memory card (SD/SDHC Card) as shown.

Tips for proper memory card handling:
- Avoid touching the contacts on the card
- Quit the slide show/video application before removing the memory card.

Weather Forecast

The weather forecast is displayed on the "Home" screen. To change locations, press the **Weather** feature on the Home screen. Select **USA/Canada**, and then select **Zip Code** or **Postal Code**. Enter required information on the data entry keyboard. Press the **Back** icon. The four day weather forecast for the location entered is displayed. Use the **Refresh** icon to update the screen.
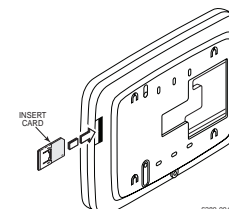
Navigation Icon Descriptions

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

ICON	ICON TITLE	FUNCTION	ICON	ICON TITLE	FUNCTION
	"Product/Training Videos"	Accesses Product Introduction and Training Videos.		"Setup"	Accesses the Setup menus.
	"Automation"	Accesses the Z-Wave setup, Scene setup, and Group setup screens.		"Multimedia"	Accesses the Message, Camera, Picture and Video features.
	"Security"	Accesses the "Security" screen.		"Video"	Allows user to play video files.
	"Home"	Returns you to the "Home" screen.		"Picture"	Allows user to display personal photos in a slide show format.
	"Panic"	Displays Emergency functions (as programmed by the installer). **Note:** This icon is displayed and active on all screens except while in the Clean Screen mode, during an LCD Display test in *Diagnostics* and from the Video and Camera screens.		"Message"	Record and retrieve Voice Messages.
				"Voice Status"	Allows user to hear system status.
	"Back"	Reverts to the last screen viewed.		"Control Panel Message"	This icon alerts the user to a Control Panel Message.

Minimizing the Home Screen Icons

When viewing wallpaper displays, the Home screen icons can be minimized by pressing the "Minimize Home" icon. Press the "Maximize Home" icon to maximize Home screen icons.

Minimize Home	Setup	Picture	Product/Training Videos	Maximize Home	Security	Automation	Multimedia	Weather	Camera	Panic

System Troubles

The "Security" screen also displays an Icon(s) if a system trouble(s) occurs. If a Trouble Icon is shown, contact your alarm company. The following Icons may be shown as applicable to your system:

ICON	FUNCTION
	AC Loss – The system is not receiving AC power.
	Bell Failure – The system bell or siren has a problem. **Note:** This Icon displays when interfacing with residential panels only.
	Expander Failure – The system has a failure in an expansion module.
	Low Battery – The system battery, that powers the system during an AC power loss, is low.
	LRR Supervision Failure – The Communication Device used to communicate with the central station has a supervision failure
	Max Attempts Exceeded – The system has exceeded the maximum attempts to communicate with the Central Station.
	Pager Failure – The system cannot communicate with an assigned pager.
	Telco-1 Cut – The system is not able to communicate with the central monitoring station over the primary phone line.
	Telco-2 Cut – The system is not able to communicate with the central monitoring station over the secondary phone line.
	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.

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, press the Setup icon and then do the following:

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

User Codes

Each user must be assigned a name with a corresponding 4-digit user code in order to gain access to authorized features and functions. Users for the system are programmed in a central user setup location that provides the specific questions for authorization level, partition assignment, and RF zone assignment.

Extended Functionality

Extended functions are advanced functions that can be accessed through a standard alpha keypad or through the console emulation mode on your Tuxedo Touch touch-screen. Refer to your Control Panel User Guide for these features.

Note: For SIA installations used with a VISTA-128BPTSIA Control, see the SIA CP-01 Quick Reference Chart located on MyWebTech, Document # 800-09699.

LED Operation

The Tuxedo Touch Keypad has three LEDs as follows:

SD/SDHC CARD Slot

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

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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.

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 your system. Refer to the *Safe Mode* section for further information.

Security

Introduction to Security System Operation

You can arm your system in one of three arming modes: Away, Stay, and Night. The following table lists the three different arming modes and the results of each.

FEATURES FOR EACH ARMING MODE					
Arming Mode	**FUNCTION**	**Exit Delay**	**Entry Delay**	**Perimeter Armed**	**Interior Armed**
AWAY	Press to arm when no one is staying on the premises. When armed in **AWAY**, the system sounds an alarm if a protected door or window is opened, or if any movement is detected inside the premises.	Yes	Yes	Yes	Yes
STAY	Press to arm when you are staying home, but might expect someone to use the entrance door later. When armed in **STAY**, the system sounds an alarm if a protected door or window is opened, but you may otherwise move freely throughout the premises.	Yes	Yes	Yes	No
NIGHT	Press to arm when you are staying home and do not expect anyone to use the entrance door. *Your installer may have configured NIGHT Mode differently; have the installer describe the actual settings of this mode.*	Yes	Yes (set for Away or Stay Mode) No (set for Instant or Maximum Mode)	Yes	Yes (set for Away or Maximum Mode) No (set for Stay or Instant Mode) See note below for Night Mode arming.

Note: Night Mode (on Residential Panels Only) arms all perimeter zones plus all zones listed in Zone List 5.

Important: On Commercial systems, "Away Auto Stay" mode is shown as "Away" mode (with all zones monitored). However, some interior zones may not be armed.

Note: The Voice Status Icon ( ) indicates the Voice feature. Press the Voice Status Icon to hear system status. Wait 3 seconds and press again to hear Zone Faults or Trouble conditions. Voice status will annunciate even if Voice mode and Chime mode are disabled. Note that the Voice feature must be enabled (by the installer) for this icon to function correctly during an alarm condition.

Note: There is a communicator delay of 30 seconds. This delay will prevent a report to the central station if the control panel is disarmed within 30 seconds after an intrusion alarm is triggered. This delay can be removed, or it

can be increased up to 45 seconds at the option of the user by consulting with the installer. Note that emergency, carbon monoxide, and fire-type alarms are normally reported without delay.

How to Arm the System

Arming the system in any mode is performed in the same way, as described below.

Note: Close all perimeter windows and doors before arming.

Arm the system as follows:

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **SECURITY** icon. 2. Press the selected arming icon. -a text message appears stating which zones are arming and whether or not there is an entry delay -the screen changes to display the remaining exit delay time, and -the exit delay time continues to count down to one.	**Note:** If Quick Arm is Not enabled in your system, a message to enter your User Code is received. When the system is armed for Stay, Night Stay and Instant mode, the keypad beeps 3 times. When the system is armed for Away and Maximum mode, you will hear steady beeps then rapid beeping during the last 10 seconds of Exit Delay. When exit delay time expires, the screen automatically changes to indicate the system is "Armed".

Note: For CP-01 installations, Maximum Mode cannot be used.

How to Arm Multiple Partitions

Note: Some systems may not have multiple partitions and therefore the "Arm Multi-Partitions" icon is inactive.

To arm multiple partitions:

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **Security** icon and then the **Arm Multi-Partition** icon. 2. Select the appropriate arming mode. 3. Enter the User Code authorized to access other partition(s). 4. Highlight the partition from the list on the screen, and press **OK**. 5. Select **ALL** to arm all partitions listed.	**Notes:** • A user may have access to some or all of the available partitions. • If the user code is accepted, the system displays the partitions that the user has access to. When exit delay time expires, the screen automatically changes to indicate the system is "Armed". **Note:** If any zones are bypassed, a "Display Faults" ( ) icon is displayed on this screen.

How to Display Faults

The Display Faults function is used when you see a "Not Ready Fault" message and want to determine where the fault is and what type of fault it is. To display faults do the following:

ICON	ACTION	NOTES
	1. From the "Security" screen, press the **DISPLAY FAULTS** icon.	A listing of faulted and/or bypassed zones is displayed. As applicable, take corrective action such as closing a window or door to correct the fault.
	2. If the fault cannot be corrected, you may choose to bypass a zone by pressing the zone and highlighting it and then pressing the **BYPASS SELECTED** icon.	
Show Zones Icons		**Distressed Zones Icons**

Clear Bypasses	Refresh Data	Bypass Selected	Bypass All	Distressed Zones	Alarm	Troubles	Faults	Bypass Zones	Low Battery	All

How to Bypass Zones

The Bypass function is used when you want to arm your system with one or more zones left open. Bypassed zones are unprotected and do not cause an alarm when violated while your system is armed.

- Residential systems do not allow you to bypass fire, carbon monoxide or emergency zones. On commercial fire systems, a specified user may be allowed to bypass fire, carbon monoxide and system zones if the user was enabled by your system installer.
- Limits apply as to how many zones can be bypassed at one time. These limits are ten zones on residential systems and five zones on commercial systems.

To bypass zones do the following:

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **SECURITY** icon. 2. Press the **MORE CHOICES** icon.	**Note:** If any zones are bypassed or faulted, a **Display Faults** icon is also displayed on this screen.
	3. Press the **SHOW ZONES** icon.	While the keypad is requesting and receiving the zone data from the control panel, the screen displays "**Please Wait!**". Then the zones, along with their current status, are displayed.
	4. Highlight the zone(s) to be bypassed and press the **BYPASS SELECTED** icon. 5. Enter your 4-digit user code.	**Note:** If zones have already been bypassed, the top of this screen indicates "**Ready Bypass**". The screen is displayed with the instructions "**To Bypass Zones, Enter Code**".
	6. Press the **BACK** icon to return to the "Arming" screen.	The "More Choices" screen is displayed showing the system status as **Ready-Bypass**.

How to Clear Bypassed Zones

A bypassed zone is automatically unbypassed when you disarm the system. If a zone is bypassed, you can remove the bypass as follows:

ICON	ACTION	NOTES
	1. Press the **SHOW ZONES** icon.	While the keypad is requesting and receiving the zone data from the control panel, the screen displays "**Please Wait!**". Then the zones, along with their current status, are displayed.
	2. Press the **CLEAR BYPASSES** icon. 3. Enter your 4-digit user code. The "More Choices" screen is displayed showing the system as **Ready to Arm**.	**Note:** If the system is armed and you unbypass a zone, it disarms the system. If zones are still faulted (not ready) the system will indicate the status as "Not Ready Fault".

How to Disarm the System

IMPORTANT: If you return to your home or business and the main burglary sounder is on, DO NOT enter the premises, but call the police from a nearby safe location. If you return to your home or business after an alarm has occurred and the main sounder has shut itself off, the keypad beeps rapidly upon entering, indicating that an alarm has occurred during your absence. **LEAVE IMMEDIATELY and CONTACT THE POLICE** from a nearby safe location.

The system may be disarmed using either of two methods. One method is employed when you enter the premises and the other is when you have been in the premises with the system armed (i.e., Stay and Night arming modes).

To disarm the system when entering the premises:

The keypad automatically displays the Entry Delay Active screen when you enter the premises:

ICON	ACTION	NOTES
	1. Enter your 4-digit user code.	The partition is disarmed and the "Arming" screen is displayed showing the system as **Ready to Arm**. **Note:** If you have a commercial system and a time window has been defined for when you may disarm the system, the system does not disarm if you are outside that time window.

To disarm the system when already in the premises:

ICON	ACTION	NOTES
	1. Press the **Disarm** icon. 2. Enter your 4-digit user code.	

To disarm Multi-Partitions do the following:

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **Security** icon. 2. Press the **Arm Multi-Partition** icon. 3. Press the **Disarm** icon. 4. Enter your 4-digit user code. 5. Highlight the partition(s) to disarm and press **OK**, or press **ALL** to disarm all partitions.	The keypad displays "**Multi-Partition Arming**".

How to Check the Status of Other Partitions

This system supports between one and eight Partitions (depending on the system.) Partitioning enables a single physical alarm system to control up to eight areas of protection (partitions) depending on the system you have purchased. Each Touch-Screen keypad is assigned a default partition for display purposes, and shows only that partition's information.

Note: A letter "H" following the partition name or number indicates that this is the default partition for the keypad.

For example, if your physical site is a four-apartment housing unit, your alarm system may be configured with four partitions. Each apartment's zones (door, windows, smoke detectors, etc.) are assigned to separate partitions, giving each apartment independent arming/disarming control of its own partition (area). A landlord or manager may be granted access to all partitions, so he/she can control the entire system.

If a user is so authorized, a keypad or other keypad in one partition can be used to perform system functions in another partition. (Note that only those partitions authorized and programmed by the installer can be accessed in this manner.)

To check the status of other partitions perform the following:

ICON	ACTION	NOTES
	1. Press the **SECURITY** icon. 2. Press the "Current Partition" icon (lower edge of the screen; in this case it displays **P1 H** unless changed by installer).	This screen displays the available partitions and their current status. The current partition is shown at the top of the display (**P1**). To change this assignment, select the appropriate icon (e.g., press **P2** to switch control to Partition 2).
P1 H	3. Enter the code authorized to access other partition(s). If the code is accepted, the system displays the partitions that user has access to.	**Note:** After leaving this screen when using a residential panel, the selected partition in the keypad automatically reverts back to the keypad's home partition after two minutes. When using commercial panels, you must select the keypad's home partition to return to it. **Note:** A code may have access to some or all of the available partitions.

Fire and Carbon Monoxide Alarm Operation

Your fire alarm system and carbon monoxide detector (if installed) is on 24 hours a day, providing continuous protection. In the event of an emergency, the installed smoke, heat, carbon monoxide detectors automatically send signals to your Control/Communicator, triggering a loud interrupted sound from the keypad. An interrupted sound is also produced by optional exterior sounders. EVACUATE ALL OCCUPANTS FROM THE PREMISES IMMEDIATELY. Notify your Central Station/Security Company immediately and wait for further instructions.

UL	CO annunciation has not been investigated by UL and may not be used for UL installations.

In Case of Fire Alarm

1. A FIRE message appears at your keypad and remains on until you silence the alarm.
2. Should you become aware of a fire emergency before your detectors sense the problem, go to your nearest keypad and manually initiate an alarm by pressing the panic key assigned as FIRE emergency (if programmed by the installer) and hold down for at least 2 seconds.
3. Evacuate all occupants from the premises.
4. If flames and/or smoke are present, leave the premises and notify your local Fire Department immediately.

Silencing and Clearing a Fire/Carbon Monoxide Alarm

1. Silence, acknowledge, and clear the alarm by:
   a. **For Residential Systems:** Press "Touch here to Silence" on the display to silence the alarm.
      For Commercial Systems: Enter your code. This silences and acknowledges the alarm and disarming of the system (if armed).
   b. **For Residential Systems:** Press the **CLEAR** icon followed by your code. This acknowledges the alarm and the disarming of the system (if armed).
      For Commercial Systems: Press the **CLEAR** icon followed by your code. The system attempts to clear the alarm from memory. If NOT successful (i.e., smoke in the detector) the Security screen is displayed and the Display Faults icon displays a "Not Ready Fault".
   c. Press the **DISPLAY FAULTS** icon on the Arming screen. The faulted fire/carbon monoxide zone is displayed.
   d. Press the **CLEAR** icon and then enter your code. This clears the Fire Alarm/CO Alarm from the system.

2. If the keypad does not indicate a **READY** condition after the second sequence, press the **DISPLAY FAULTS** icon on the Arming screen to display the zone(s) that are faulted. Be sure to check that smoke detectors/carbon monoxide detectors are not responding to smoke, heat, or gas producing objects in their vicinity. In this case, eliminate the source of heat, smoke or leak.
3. If this does not remedy the problem, there may still be smoke/gas in the detector. Clear it by fanning the detector for about 30 seconds.
4. When the problem has been corrected, clear the display by entering the **DISPLAY FAULTS** icon on the Arming screen, selecting the fire or carbon monoxide zone, pressing the **CLEAR** icon and then entering your user code.

Note: Contact your Central Station/Security Company for servicing if you have further problems with your system.

More Choices

How to Clear/Hide a Control Panel Message

The Control Panel Message icon alerts the user to a control panel message. When a Control Panel Message is displayed, the user has two options. User can clear the Control Panel Message immediately, or minimize the window and clear it at a later time.

To Clear/Hide the Control Panel Message, do the following:

ICON	ACTION	NOTES
	1. To clear; press **CLEAR**. 2. Enter your Authorized Code or, 3. To hide; press **HIDE** to clear the Control Panel Message later.	Once your **Authorized Code** is accepted, the Control Panel Message is cleared. If the alarm is still present, press **CLEAR** again and then enter your **Authorized Code** again. Press the **HIDE** icon to address the condition later.

Advanced System Features

While most of the commonly used security functions are available from the keypad's advanced user interface, there are some less used, advanced features that can either be accessed through Console Emulation mode on the keypad or a standard alpha keypad. To use features not supported by the keypad, refer to your Control Panel User Guide.

Console Emulation Mode

Console Emulation Mode allows you to use a keypad interface just as you would a regular system keypad. All commands shown in Console Emulation mode can also be executed from a standard alpha keypad.

Notes:

- It is recommended that you **do not** use the Console Emulation Mode to enter GOTO commands. Unsatisfactory operation may result from issuing GOTO commands in Console Emulation.
- Two icon panics (1 & *, 3 & #, and * & #) **do not** function in the Console Emulation Mode. The A, B, C, and D icons do function if programmed as panic keys. Check with your system installer for details.
- Commercial systems with Alpha keypads have a feature where if you press a key for 5 seconds, you receive self help messages about the pressed key or holding the * key for 5 seconds to provide zone descriptors. These features do not function in the keypad as all key presses are instantaneous.

How to Enter Console Emulation Mode

To access Console Emulation Mode, do the following:

ICON	ACTION	NOTES
	1. From the Home screen, press the **SECURITY** icon. 2. Press the **MORE CHOICES** icon.	
	3. Press the **CONSOLE MODE** icon.	Perform functions as you would from a standard alpha keypad.

How to View the Event Log

Your system has the ability to record various events in a history log wherein each event is recorded with the time and date of its occurrence. The control panel must be programmed to record various system events in the installer programming mode.

To view the Event Log, perform the following:

ICON	ACTION	NOTES
	1. From the "Home" screen, press **Security** and then the **MORE CHOICES** icon. 2. Press the **EVENT LOGS** icon; the first eight events are displayed. Move the scroll bar down to view the full list of events.	
	3. Select the **Partition** that you want to view Events for (or select **All Partitions**). 4. Select the type of Event to view (or select **ALL**); the events are displayed with the number of times of its occurrence.	Each type of Event can be viewed by category; select from **ALL**, **System**, **Alarms**, **Troubles, Bypasses** and **Open/Close** events.

How to Send Emergency Messages

An emergency message for fire, panic, or medical can be sent to the central monitoring station from the **Emergency** screen. The **Emergency** screen can be accessed by activating the "PANIC" Icon located on the lower right corner of the screen. Perform the following to send an emergency message.

ICON	ACTION	NOTES
	1. Press the **PANIC** Icon. 2. Press and hold (for at least 2 seconds) the associated alarm icon (**FIRE, PANIC, SILENT PANIC** or **MEDICAL**).	You are immediately returned to the screen from which you pressed the "PANIC" Icon. **NOTE:** The **Emergency** screen cannot be accessed while running a screen diagnostic test or while in the clean screen mode. **Note:** The panic button disables during latching and unlatching of Z-Wave doors, while running screen diagnostic testing, when in clean screen mode and when refreshing Z-Wave device status.
Emergency Icons		
Fire Panic Silent Panic Medical		• Emergency messages are optional and may not be available on your system. Ask your system installer if emergency messages are available on your system. **NOTE:** Medical functionality has not been evaluated by UL and may not be used in UL Listed applications.

Setup

Setup allows you to make changes to the way your keypad is operating. You may access the **Brightness and Volume, Display & Audio Setup**, **IP Setup, System Setup** and **System Information** from the "Setup" screen.

Brightness and Volume Control

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

ICON	ACTION	NOTES
	1. Press the **Setup** icon. 2. Move the **Brightness/Volume** slide bar up or down to increase or decrease settings. 3. Press the **Save** icon to save settings.	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 **Operation Modes, Language, Backlight Off After** time, **To Homepage After** time, **Auto Slideshow After** time and **Clean Screen**.

Operation Modes

Operation modes provides access to **Chime Mode, Voice Mode, and Voice Chime** which allows you to turn the keypad chime mode and voice mode on or off.

- Chime Mode – Keypad chimes whenever a door or window is open.
- Voice Mode – Keypad voice annunciates whenever a change in system status occurs.
- Voice Chime – The chime mode and voice mode are in effect with the chime beeps followed by voice annunciation.

Access the "Operation Modes" screen as follows:

ICON	ACTION	NOTES
	1. From the "Setup" screen, 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.
	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. When the keypad exits the "Operation Modes" screen, your selection is saved.

Select a Language (if applicable)

ICON	ACTION	NOTES
	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; 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:
- turns the "Backlight Off After" the selected backlight off time has expired (unless "Never" option is selected).
- returns 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", if required. 4. Press the desired selection from the drop-down list displaying the time period for each option. **Yes** saves the change. **No** discards the change.	If changes are made, when you exit a pop-up window displays: "**Information** **Settings saved**" Settings include: • **Backlight Off After** X time • Return **To Homepage After** X time • **Auto Slideshow After** X time. **Note 1:** The "To Homepage After" option is only available if the Screen Blackout (EN50131 Display) option is not enabled by the installer. **Note 2:** 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. Clean the touch-screen as follows:

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **Setup** icon. 2. Press the **Disp & Audio Setup** icon. 3. Enter your "Authorized Code", if required. 4. Press the **CLEAN SCREEN** icon to disable the keypad for 30 seconds so you can wipe the screen clean. 5. Press **Continue** to disable the touch-screen. 6. Press **Cancel** to exit.	At the **"Touch Screen Disabled for =30 Seconds"** screen, 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. **NOTE:** The **Emergency** screen cannot be accessed while running in the clean screen mode. A pop-up window displays "**Touch Screen will be disabled so that you may wipe the screen clean. Please use a damp, soft cloth. DO NOT use any liquids, sprays, or ammonia-based cleaners. Press CONTINUE to disable touchscreen.**" ****Panics cannot be initiated during this process****

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

Routine Care

- Treat the components of your security system as you would any other electrical equipment. Do not slam sensor-protected doors or windows.
- Keep dust from accumulating on the keypad and all protective sensors, particularly on motion sensors and smoke detectors.
- The keypad case and sensors should be carefully dusted with a dry soft cloth. ***Do not spray water or any other fluid on the units.***

System Information

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

ICON	ACTION	NOTES
	1. Press the **Setup** icon. 2. Press the **System Info** icon.	The Interface Name, Host Name, MAC Address, IP Address, Broadcast Address, and NetMask are also displayed.

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 keypad IP Address is displayed on the "IP Setup" screen as well as on the "Home" screen. This 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.

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.

IP Address Setup

In most cases, IP addresses are assigned 'automatically' (*Automatic IP Addre*ss). 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:

ACTION	NOTES

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 Tuxedo Touch keypad into your browser. Or,
2. At your **PC**:
  a) Open the browser and enter the IP Address displayed on the Tuxedo Touch keypad into your browser.
	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.
	The IP Address is displayed in the lower left-hand corner on the Tuxedo Touch Keypad "Home" screen.
	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.

Setup (cont'd)

Network Connections

To set up network connections, from the "Home" screen, and do the following:

ICON	ACTION	NOTES
	1. At the Tuxedo Touch keypad: a) Press the **Setup** and **IP Setup** icon. 2. Select a type of network connection: **LAN ON** or **WIFI ON** and go to that section below.	

Setup a LAN Connection

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

ICON	ACTION	NOTES

	1. At the Tuxedo Touch keypad:
	  a) Press the **LAN ON** button.
	  - Select Internet Connection type **"Obtain address automatically"** (to have the keypad begin to scan for existing networks to connect to automatically).
	  - Select Internet Connection type **Static IP** and highlight the IP Address field to enter a Fixed IP address on the "Data Entry Keyboard" and press **GO**. Highlight the remaining fields and enter the required information for Subnet Mask, Default Gateway, DNS Server and Port #.
		A pop-up window displays:
		This will switch off WLAN Network, do you want to continue? Yes or No
		Use the Data Entry Keyboard to enter the required information.
		• Press the "up arrow" 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.
		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.

	2. Press the **Save** icon; the IP information will automatically update. This may take up to 60 seconds. 3. At your PC, Smart Phone or Tablet browser, start your browser and enter your IP Address.	A pop-up window displays: **Network Details Saved** After proper setup, the IP Address is displayed on the "Home" page.

UL Note: Web Server/Hosting is not Listed for use in UL installations. Remote arming/disarming/programming is not to be used in UL Listed Installations.

Setup (cont'd)

Setup a WLAN (Wi-Fi) Connection

From the **IP Setup** screen, add a WLAN network connection as follows:

ICON	ACTION	NOTES

	1. At the Tuxedo Touch keypad:
	  a) Press the **WIFI ON** button.
	    - Use the scroll bar to locate a network from the list of Wifi Networks to connect to and highlight that field. Press the **Refresh** icon until available networks are displayed.
	    - Or, select **Add Network** and 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**.
	2. Press the **Save** icon; the information will automatically update. This may take up to 60 seconds.
	3. At your PC, Smart Phone or Tablet browser, start your browser and enter your IP Address. **Note:** 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 the "**#+=**" key to switch to symbols.
		• Press **GO** to return to previous 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 PC, Smart Phone or Tablet. Up to 5 accounts can be created. To set up a user account, do the following:

ICON	ACTION	NOTES
	1. Press the **Account Setup** button. 2. If required, highlight the User Name/Password fields on the list 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:** 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.

Multi-Media

Multi-Media

The Multi-Media feature allows you access voice messages, play video files, display a slide show of personal photos, and view up to four cameras at once from your keypad.

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

Voice Messages

The Tuxedo Touch Keypad can record voice messages for others on the premises. The number of messages is not limited; however, the total time of all messages added together cannot exceed 120 seconds. **Note**: The voice messages are stored in the memory and a*ll messages are lost* if the keypad loses power or if it is reset.

Recording/Retrieving Messages

Voice messages are recorded and retrieved using the "Message Center" screen. To access messages, do the following:

ICON	ACTION	NOTES
	1. From the Home screen, press the **Multimedia** icon and then press the **Message** icon. 2. Enter your Authorized code; the "Message Center" screen is displayed.	Each message is numbered, dated and the length of the message in seconds (Sec) is displayed on the message list. As you are recording your message, the time counter counts down to indicate the **Record Time Remaining**. To record additional messages, repeat steps 3 and 4.
	3. Press the **RECORD** icon and record your message while staying within approximately one foot of the keypad and speaking at a normal voice volume. 4. Press the **STOP** icon when you are done recording the message.	The message indicator flashes and the message is listed in the message list window. Use the slide bar to raise and lower the message volume. As the message is being played, a "**Play (#): Voice Memo…**" message is displayed above the message list window. When the end of the message is reached, the playback stops. **Note:** The Message LED will continue to flash until all new messages have been played back entirely.
	5. To listen to a voice message, highlight the message and then press the **PLAY** icon. 6. To listen to the next message or previous message, press the **NEXT** or **PREV** icon.	Highlight the message to delete and press the **DELETE** icon. A confirmation window is displayed stating: **Del Selected Selected Memo 2: 11/02/12 00:30:00** Select **Yes** or **No**.
	7. To delete the selected message, press the **DELETE** icon. 8. To delete all messages, press the **DELETE ALL** icon. 9. To exit, press the **Back** or **Home** icon.	Press the **DELETE ALL** button to delete all messages: A confirmation window is displayed stating: **"Confirmation" Do you want to delete all messages?** Select **Yes** or **No**.
Message Icons		

RECORD	PREVIOUS	PLAY	NEXT	DELETE	DELETE ALL	HOME	BACK

Video (Audio) Setup

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

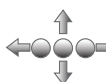| ICON	ACTION	NOTES
	1. Insert your personal media (SD/SDHC) card (with stored video files). 2. Press the **Multimedia** and **Video** icon.	A Video Converter is required to convert videos for proper playback on the Tuxedo Touch Keypad. Use an Internet search engine to locate and download a Video Converter, then follow the steps in the Video Converter Instructions (provided in the carton).
	3. Highlight a video file from the list and press the **Play** icon to start the selected video. 4. Press the **Repeat** icon to continually replay the selected video. 5. Deselect the **Repeat** icon to automatically play the complete list of video files starting with the first video and ending with the last.	**Notes:** • Supported video playback formats are MPEG4 and H.264, containers AVI, MOV, MP4. • 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. • Maximum video resolution should not exceed 400 x 240. • Videos can not be played when the EN50131 Display is turned ON. • When in Full View mode there is an 8-10 second delay for video display.
Video Icons		
Play　Pause　Full View　Repeat　Stop		Press these icons to Play, Pause, view a Full View, Stop or Repeat a video. To exit Full View mode while a video is playing, press anywhere on the screen.

Picture Setup

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

ICON	ACTION	NOTES
	1. Insert your personal media (SD/SDHC) card (with stored files). 2. Press the **Multimedia** icon, and **Picture** icon. 3. Select the type of viewing transition desired by pressing the **Transition** arrow. Select from (Standard, Horizontal, Vertical or Fade Out). 4. Press the **Slide Delay** arrow; select the time interval (5, 10, 15, or 20 seconds) that you want to allow between each photo being viewed. 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.	Photo files can be viewed from the (SD/SDHC) Card. Formats supported are .bmp, png or .jpg files. **NOTES:** • 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 functions can be performed (play, deselect, 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.

ICON	ACTION	NOTES
	To set a picture as wallpaper: 1. Use the slide bar to scroll through the list of pictures and 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.	**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.

ICON	ACTION	NOTES
	1. Connect an Ethernet cable to the back of your camera (LAN); connect the opposite end to the Ethernet port on the router. 2. Apply power to the Camera. It may take a few seconds for initial power-up of camera. 3. Press the **Multimedia** and **Camera** icons (or press the **Camera** icon from the "Home" screen); then press the **Camera Setup** icon. 4. Press the **Discover** icon to locate the camera. The screen displays: "**Discovering Cameras Please Wait…**" 5. Press the **Add** icon (if the camera information is not discovered automatically) to enter required information. 6. To edit camera information, highlight the camera name and press the **Edit** icon. Highlight each field and enter the required information, and then press **Save**. a) To retrieve camera settings and connect to the camera, press the **Connect** icon or,	**Notes:** 1. QuickTime® media player must be installed on your PC. 2. Camera viewing is not compatible if using Opera web browser. 3. Do not use ports 6665-6669 for camera HTTP configuration. These ports will block MPEG streaming and PT commands of Safari based PC and mobile devices. **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. 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 the 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 from iPCAM-WI, iPCAM-WI2, iPCAM-WI2B (black), iPCAM-WO, iPCAM-PT, WVC210, or other. **User Name:** Enter a user name, if desired.

ICON	ACTION	NOTES
	b) Press the **Total Connect** icon to reset the camera for remote viewing and activate a Total Connect account. c) Press the **Save** icon. d) Use the **Refresh** icon to update the screen. 7. When all cameras have been added, press the **CAMERA WIFI** icon to enter the camera wireless settings from your router. 8. Press the **APPLY TO ALL** button to set cameras to wireless operation. 9. Press the **Save** icon. 10. Press the **Settings** icon to enter Advanced Camera settings; see Camera Notes below. 11. Remove the Ethernet cable from the wireless cameras to view wirelessly via the Tuxedo Touch Keypad. If camera does not have wireless capability, leave the camera connected to router.	**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^{TM} 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**. The screen displays: "**INFO: Camera wifi setup is applicable only for discovered cameras"** Enter the appropriate wireless information: **SSID:** ANY **Security Mode:** Disabled, WPA personal, WPA2 personal, or WEP. **Network Type:** Infrastructure. **Domain:** USA. **Channel:** Auto. For **Security Mode** information enter: **Tx Key:** 1, 2, 3 or 4. **WEP Encryption:** 64 bit Key (10 Hex Chars) or 128 bit Key (26 Hex Chars). **Authentication:** Open System or Shared Key. **Passphrase;** then press **GO**. A pop-up window displays: **"Info XXX.XXX.X.X WIFI Configuration Saved"**

Setup Icons | **Camera Icons**

DISCOVER	ADD	EDIT	DELETE	DELETE ALL	SETTINGS	WIFI	Connect	Play	Auto Pan	Quad View	Full View	Pan/Tilt	Reset

Camera Notes:
1. To use the Pan/Tilt feature in Quad View, select the camera name from the camera list and then press Pan/Tilt.
2. 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.
3. To remove a single camera, highlight that camera (on the camera list) 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. 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.

UL Note: Camera functionality is supplementary only and has not been evaluated by UL.

User System Setup

User Setup allows you to **Add a User**, **Delete a User**, and **Edit a User**. You may access User Setup from the System Setup screen. 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 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 that can be assigned through the keypad and provides the equivalent authority level name found in your alarm system manuals. The authority levels that can be assigned are as follows:

Authority Level	Functions	Equivalent System Name	
		Residential Systems	**Commercial Systems**
Master	Can perform all security functions, add/delete users in assigned partition, program scheduled events, and change partition master code	Partition Master	Level 1 Master
Normal	Perform security functions (arm, disarm)	Standard User	Level 3 Operator A
Guest	Can arm the system in assigned partitions, but cannot disarm the system unless the system was armed with this code. **Note:** Do not assign this level if Quick Arm is enabled in your system.	Guest	Level 4 Operator B
No Access	Used to restrict access from a partition.	N/A	N/A

How to Add a User

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **Setup** icon. 2. Press the **System Setup** icon. 3. Press the **USER SETUP** icon. 4. Press the **ADD USER** icon and enter your Authorized Code. 5. Press the box next to **Enter User Name**.	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. • 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 "Add User" screen.

ICON	ACTION	NOTES
	6. Type in the user name (6 characters max.; no spaces between characters) and press the **OK** icon. 7. Press the box next to **User Number** and enter an "available" (3-digit) user number; press the **OK** icon. 8. Press the box next to **Enter User Code**, enter the 4-digit User Code for this user and press the **OK** icon. 9. Press the box next to **RF Button Zone** (if used); enter the 3-digit RF Button Zone for this user. 10. Press the **Save** icon.	The authorized code for adding users is dependent upon the alarm panel you are interfacing with. Check your alarm panel Installation and Setup Guide to determine who can add users. 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). Select the partitions, access level, and enter an available user number for this user. For available user numbers, refer to the control panel instructions.

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

ICON	ACTION	NOTES
	1. Select the User you want to delete. 2. Press the **DELETE USER** icon. 3. Enter your Authorized code. 4. Press the appropriate icon. 　　The **Confirm Delete** screen is displayed.	Three selections are available: add a user, edit a user, or delete a user. 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.

How to Edit a User

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

ICON	ACTION	NOTES
	1. Press the **EDIT USER** icon. 2. Enter your Authorized code. 3. Select the options needed for this user and press the **Save** icon.	Three selections are available: add a user, edit a user, or delete a user. **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. When you select **Save**, the configuration changes are saved and you are returned to the **User Setup** screen.
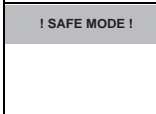
Safe Mode

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

To Exit the Safe Mode:

1. Press the **! SAFE MODE !** button.

2. Select "Yes" to return to the Normal Mode of operation. The keypad resets and normal operation returns as long as the original conditions that caused the entry into Safe Mode do not still exist.

ICON	ACTION	NOTES
! SAFE MODE !	1. Select **Safe Mode** and then press **Apply**. 2. Press the **OK** icon. 3. To exit, press the safe mode button and press **Yes** to return to Normal Mode.	While in the Safe Mode, the Home screen displays the Security, Panic, and Message Icon. A message **!SAFE MODE!** Is displayed at the lower left side of the screen. The keypad resets and restarts in the Safe Mode.

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 your system.

In this mode, the keypad operates much like a standard non-graphic keypad so that you can control your system until the problem is corrected.

If this situation occurs, the keypad 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 enters 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.

Note: Use care when providing the "Yes" or "No" response. Pressing the screen outside the prescribed area may cause the background to come to the front. If this occurs, the Yes/No message that disappeared times-out in 30 seconds even though it is

not visible. Then the keypad resets into the Normal Mode (or Safe Mode if this is the third time that the warning message appeared).

Note that 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 Guide. You can perform almost all functions that you can perform from a standard non-graphic alpha keypad.
- You can press the "Panic" key 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 Message LED (on models with Voice feature) or Trouble LED (on models without Voice feature) is not active in the Safe Mode.
- The Chime mode functions in the Safe Mode.
- When an alarm occurs in the Safe Mode, it is displayed on the Console mode screen only and is not shown on the Home screen.
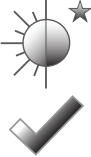
Time/Date Setup

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 the **Apply** icon 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 **Get Time** is pressed, the keypad (or a secondary 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 do the following:

ICON	ACTION	NOTES
	1. Press the **Time/Date Setup** icon; enter your Authorized Code. 2. Press the **DST** icon if you want daylight savings time to affect your system clock.	If **DST On** is selected, the keypad adjusts for Daylight Savings time at the month, week and time chosen.
	3. Set the "Start DST" time and then the "End DST" time by pressing the **Month**, **Weekend** and **Hour** that you want DST to start. 4. **APPLY** saves the settings.	Make sure "DST On" is checked to enable this feature.

Setting Current Time and Date

To set the current time, do the following:

ICON	ACTION	NOTES
	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. Press **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. 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.

Advanced Setup

The Advanced Setup screen allows access to **Keypad Test**, **Keypad Reset**, **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 four diagnostic tests; **LCD Display Test, Audio Test, LED Test,** and **Calibration 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. **Note:** 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:

ICON	ACTION	NOTES
	1. Press the **Advanced Setup** icon. 2. If applicable, enter your Authorized Code.	The **Emergency** screen cannot be accessed while running the LCD Display Test.
	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.	If the response to all questions is yes, the LCD Display Test message area of the Diagnostics screen displays "**Passed**".

Audio Test

Perform the Audio Test as follows:

ICON	ACTION	NOTES
	1. Press the **Audio Test** icon; "**Testing**.." is displayed while beeps sound from the speaker. At the conclusion of the test, a pop-up "Confirmation Window" is displayed with the question **"Did you hear Beeping?"**	When you press **Yes**, **"Passed"** is displayed in the test status column on the "Diagnostics" screen. When you press **No**, **"Failed"** is displayed in the test status column on the "Diagnostics" screen.

LED Test

Perform the LED Test as follows:

ICON	ACTION	NOTES
	1. Press the **LED Test** icon; "**Testing**.." is displayed while the 3 LEDs light sequentially, top to bottom (red, green, yellow), 5 times.	At the conclusion of the test, a pop-up "Confirmation Window" is displayed with the question **"Did you see chasing LED pattern?"** If you press **Yes**, "Passed" is displayed in the test status column on the "Diagnostics" screen. If you press **No**, "Failed" is displayed in the test status column on the "Diagnostics" screen.

Calibration Test

ICON	ACTION	NOTES
	1. Select the **Calibration** 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.	A pop-up message displays: **Touch screen calibration** **Touch crosshair to calibrate** If the Calibration test was successful, a confirmation screen appears stating: "**Congratulations Calibration Success**" If the test was unsuccessful, an error message appears stating: "**Calibration failed, do you want to retry?**" **Yes** or **No**.

Keypad Reset

To access Keypad Reset press **Setup** and the **System Setup** icon and then do the following:

ICON	ACTION	NOTES
	1. Press the **Advanced Setup** icon. 2. Enter your Authorized Code. 3. 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**.

Night Setup

To set the NIGHT function, press the **System Setup** and **Advanced Setup** icon and then do the following:

ICON	ACTION	NOTES
	1. Enter your Authorized Code, if required. 2. Press the **Night Setup** icon. 3. Select the arming mode to be activated when **NIGHT** is selected on the "Arming" screen.	**Apply** accepts the setting. **Back** cancels your selection.

Output Setup Function

The Output Setup function allows you to disable Output selection. There are a maximum of 18 outputs that can be enabled or disabled. To set the Output Setup function, press the **System Setup** and **Advanced Setup** icon and then do the following:

ICON	ACTION	NOTES
	1. Enter your Authorized Code, if required. 2. Press the **Output Setup** icon. 3. Highlight the **Output** selection on the screen and press the **Disable** or **Enable** button to change the setting. 4. 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	OK	Back	Home	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 Tuxedo Touch Home Automation System with web hosting capability is equipped with Z-Wave technology and is designed to automate devices in a home control network. The keypad allows you to easily add and control multiple devices with the press of a button. 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	• Automation functionality is supplementary only and has not been evaluated by UL. • Z-Wave applications have not been evaluated by UL.

Enroll/Add Z-Wave Devices

Each device must be installed according to the manufacturer's instructions prior to enrollment.

WARNING: Automation is intended for lifestyle convenience. Do not use automation for life safety and property protection.

Enroll a Light, Switch or Outlet Module

Enroll a Z-Wave Light, Switch or Outlet module as described below.

ICON	ACTION	NOTES

	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 "Z-Wave Device Management" screen.
	  b) Press the **Z-Wave Enroll/ Add** icon.
	
	2. At the device Module:
	  a) Press the **Function Key** on the device.
		Note: Z-Wave light modules may vary; follow the instructions in the Users Guide for your specific device to enroll properly into the Z-Wave network.
		• If a dimmer module was enrolled, an On/Off button and a slide bar (to control dimmer) are displayed.
		• If an on/off light/appliance module was enrolled, an On/Off button (to control the device) is displayed.
		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"

Z-Wave Device Management Icons		
Enroll/Add Remove/Delete Abort Remove Failed Edit Reset Default Router Security Link		

Enroll a Door Lock

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:

ICON	ACTION	NOTES
	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. 2. At the Door Lock: a) Press the ***Function Key** on the door lock. b) Program the selected user code from the panel; refer to Door Lock *User Guide*.	**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.

Enroll a Honeywell Thermostat

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

Note: Honeywell is not responsible for property damages due to improper setting of the thermostat modes.

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

ICON	ACTION	NOTES
	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 into the Z-Wave network. The keypad displays a series of messages: "**Please press *function key on device**" * If not using a Honeywell thermostat, enrollment procedure may vary. Refer to the thermostat instructions for enrollment procedure.

ICON	ACTION	NOTES
	2. At the Z-Wave thermostat: a) Select **Thermostat;** set Time/Date. b) Follow the instructions in the thermostat Installation Guide for "Z-Wave enrollment". c) To complete inclusion, press **Done.** d) Press **Exit** to return to normal operation.	
	3. At the Tuxedo Touch Keypad: a) To verify activation, press the **Back** icon and wait 30 seconds. Press the **Refresh** icon; the new device is displayed.	The keypad displays a series of messages: "**Please press function key on device**" "**Adding Controller Unit**" "**Adding Slave Unit**" "**Device added successfully**"

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

Editing Z-Wave Device Names

Edit a Device Module Name

To edit a device name, do the following:

ICON	ACTION	NOTES
	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. d) Press **OK**.	Enter the new device name on the data entry keyboard. **Notes:** • Use the **Shift** icon for capital letters. • Use the **BS** (Backspace) icon to make corrections. The @#$ icon is not available for use at this time.

Remove/Delete Z-Wave Devices

Remove a Light, Switch or Outlet Module

To remove a light, switch or outlet module from the Z-Wave network, do the following:

ICON	ACTION	NOTES

	1. At the Tuxedo Touch Keypad:
	   a) Press the **Automation** icon from the "Home" screen and then press **Z-Wave Setup** icon to display the "Z-Wave Device Management" screen.
	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/Delete a Door Lock

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

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **Automation** icon and the **Z-Wave Setup** icon. The "Z-Wave Device Management" screen is displayed.	**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 "Z-Wave Troubleshooting". • 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 section on *Troubleshooting*.
	2. Highlight the device to remove and press the **Z-Wave Remove/Delete** icon. 3. On the device press the **Function Key** to remove the device from the keypad.	

Remove/Delete a Honeywell Thermostat

IMPORTANT: Honeywell is not responsible for property damages due to improper setting of the thermostat modes.

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

ICON	ACTION	NOTES
	1. At the Tuxedo Touch Keypad: a) Press the **Automation** icon from the "Home" screen, and then press the **Z-Wave Setup** 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) Press **Done**; the thermostat is removed.
		Z-Wave Remove/Delete -clears the node from the keypad and resets device to the default setting.
		Note: To remove a defective device, refer to the "*Z-Wave Troubleshooting*" section.

Remove All Z-Wave Devices

ICON	ACTION	NOTES

	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) Press **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

ICON	ACTION	NOTES
	1. From the "Home" screen, press the **Automation** icon and the **Z-Wave Setup** icon. The "Z-Wave Device Management" screen is displayed.	
	2. If inadvertently a wrong selection was made, (add, delete, or remove failed device) user can press the **Abort** icon to abort the process.	

Create a Scene

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

ICON	ACTION	NOTES

	1. At the Tuxedo Touch Keypad:
	  a) Press the **Automation** icon and then press the **Scene Setup** icon to display the "Scene Setup" screen.
	  b) Press the **Add** icon to set up a Scene.
	  c) Press the **Name** box, enter a **Scene Name** and press **OK**.
	  d) Select a "Condition," "Trigger," and "Action" that you want to occur for this Scene. See example below.
	  After each selection press Save!! !
		INFORMATION: Scenes must have at least a trigger and 1 action to work. Enter the event to trigger the scene in the Trigger section. The Condition section is optional.
		
		Use the Data Entry Keyboard to enter all required information.
		• 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 "Add New Camera" screen.
		After each selection is complete, press **Save** to keep the settings.
		Press **Delete** to cancel, or **Edit** to change your selections.
		Press the **Log** icon to view a list of Scenes.

Scene Icons				Condition/Trigger/Action Icons			
ADD	DELETE	EDIT	LOG	Add	Edit	Delete	Save

Scene Rules
- Triggers and Conditions include: Time setting, Security mode, Thermostat setting, and Door status.
- Actions include: Security mode, Lights on/off, 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, only at night.**

(Condition) **... "only at Night"** ...Set the **TIME** condition (enter the **Start Time** and **Duration**).

(Trigger) ...**..when the "system is Disarmed"** ...Set the Trigger to **SECURITY:** System **Disarm**.

(Action) ... **Turn the "lights ON" ...** ... Set the Action to **LIGHT: ON**.

Options for adding a Condition (if needed) – After each selection press SAVE!!!
In the "Condition" box, press the **Add** icon.   <u>To set the time</u>, 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.**   <u>To set the security mode</u>, press the **SECURITY** button and select: **DISARM**, **AWAY**, **STAY**, **NIGHT**.   <u>To set the thermostat settings,</u> 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 feature.   <u>To set the door lock status</u>, press the **DOOR** button and select a **Door Device** from the drop-down menu (see notes below). Select **LOCKED** or **UNLOCKED**.
Options for adding a Trigger – After each selection press SAVE!!!
In the "Trigger" box, press the **Add** icon.   <u>To set the time</u>, 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**.   <u>To set a security mode</u>, press the **SECURITY** button and select: **DISARM**, **AWAY**, **STAY**, **NIGHT** (for residential panels only).   <u>To set the thermostat settings</u>, 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" feature.   <u>To set the door lock status</u>, press the **DOOR** button to select a **Door Device** from the drop-down menu (see notes below). Select **LOCKED, UNLOCKED** or **CODE UNLOCKED**.
Options for adding an Action – After each selection press SAVE!!!
In the "Action" box, press the **Add** icon.   <u>To set the security mode</u>, press the **SECURITY** button and select: **DISARM**, **AWAY**, **STAY**, **NIGHT**. Enter **User Code,** if required.   <u>To set the light on/off</u>, press the **LIGHT** button and select a **Light Device** from the drop down menu; set the action to **ON** / **OFF**.   <u>To set the thermostat settings,</u> press the **THERMOSTAT** button and select a **Thermostat Device** 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 and enter a set point value for "Heat Point" and "Cool Point". **Note:** Test thermostats first to ensure proper function in the Scene feature.   <u>To set the door lock status</u>, 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. Create a Group as follows:

ICON	ACTION	NOTES
	1. 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. Select the device(s) to be enabled in this group and press the **Save** icon. 5. Press the **Edit** icon to rename the group.	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 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 "Add New Camera" screen.

Group Setup Icons

Delete	Edit	Add	Save	If settings were changed, a pop-up window displays: **Settings saved**. Select **OK** to save.

Setting a Secondary Keypad (Controller)

After all Z-Wave devices have been enrolled into the Primary Keypad (Controller #1), the device information can be downloaded to a Secondary Keypad (Controller #2). Keep the controllers within 10 feet of each other, apply power to Controller #2 and do the following:

ICON	ACTION	NOTES
	1. At Controller #1: 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.	

	2. At Controller #2:
	  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"

	3. At Controller #1: Press the **Add** icon. 4. At Controller #2: Press the **Add** icon. 5. To edit information, press the **Z-Wave Edit** icon.	The message is displayed: **"Scanning for Devices"** The message is displayed: **"Updating Devices. Please Wait"** When the device information from the Primary Controller is downloaded to the Secondary Controller, the Secondary Controller displays: **"Controller Add Success"** The Primary Controller displays: **"Device Added Successfully"**

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.

ICON	ACTION	NOTES
	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 controller, do the following:

ICON	ACTION	NOTES

	1. At the Primary Controller keypad:
	    a) Press **Delete**.
	2. At the Secondary Controller keypad:
	    a) Press **Delete**.
		Both keypads will display, **"Device Removed"** and the Secondary Controller keypad will revert back to the Primary Controller.

Output List

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

ICON	ACTION	NOTES
	1. Press the **Automation** and **Output** icons. 2. Enter your Authorized Code. 3. Use the **OFF** or **ON** button to control outputs.	

Z-Wave Troubleshooting

PROBLEM	SOLUTION
Cannot add new device.	Make sure the Z-Wave device is within range of the Tuxedo Touch keypad. You may need to move the device closer to the keypad. Refer to the Z-Wave device Instruction Guide for proper range.

Device is within proper range but still is not enrolled.	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 **Removed Failed Device** icon.

Automation (cont'd)

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.

Door Locks
Yale Real Living Push Button Lever Lock
Yale Real Living Touchscreen Lever Lock
Yale Real Living Push Button Deadbolt Lock
Yale Real Living Touchscreen Deadbolt Lock
Schalge Link Deadbolt Lock
Schlage Link Lever Lock
Kwikset Smartcode Lever lock
Kwikset Smartcode Deadbolt Lock
Thermostats
Honeywell ECC
Wayne Dalton Zwave Thermostat
Trane Zwave Thermostat
Appliance
HomeManageable Appliance Module
Wayne Dalton Small Appliance Module
GE Wireless Lighting Control Plug In Appliance Module
Lights
Leviton/ViziaRF+ Switches
Leviton/ViziaRF+ Dimmers
Leviton/ViziaRF+ Plug in Modules
GE Wireless Lighting Control Dimmers
GE Wireless Lighting Control Switches
GE Wireless Lighting Control Plug in Lamp Modules

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

Notes

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.

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.

SPEAKS Z WAVE®

Glossary

The following terms are used throughout the guide.

Arm/Disarm: "Armed" simply means that the burglary portion of your system is turned ON and is in a state of readiness. "Disarmed" means that the burglary system is turned OFF, and must be rearmed to become operational. However, even in a "disarmed" state, "emergency", "carbon monoxide" and "fire" portions of your system are still operational.

Bypass: To intentionally leave a specific zone unprotected while the rest of the system is armed.

Console Emulation: Console Emulation Mode allows you to use a keypad interface just as you would a regular system keypad. All commands shown in Console Emulation mode can also be executed from a standard alpha keypad.

Day/Night Zone: An area of protection whose violation causes a trouble indication during the disarmed (DAY) mode and an alarm during the armed (NIGHT) mode.

Delay Zone: An area of protection containing doors most frequently used to enter or exit (typically, a front door, back door, or door from the garage into the building). The delay zone allows sufficient time for authorized entry or exit without causing an alarm. Consult your installer for the entry and exit delay times that have been set for your system during installation and record them on the separate sheet provided in this guide.

DHCP – Dynamic Host Configuration Protocol, which provides a mechanism for allocating IP addresses dynamically so that addresses can be reused when hosts no longer need them.

Home Screen: The screen that is normally displayed on the keypad when entries are not being made. The keypad returns to this screen when the "Home" icon is pressed or when an entry is not received for a pre-set period of time.

Gateway Address – Sometimes called a router, a gateway is a computer and/or software used to connect two or more networks which translates information from one network to the other. A Gateway IP Address is the IP address for the gateway.

IP Address – A unique number consisting of four parts separated by periods, assigned to every computer/workstation connected to the Internet. IP numbers can be "static" (assigned and unchanging) or "dynamic" (assigned via DHCP at every startup).

Keypad: This is the device through which you operate your system. It contains graphical icons. These graphical icons control the arming or disarming of the system, and perform other functions that were previously described in this manual.

Master Code: A 4-digit code that gives users access to all of the system's functions, including the ability to program other users in the system. See also "User Code.

Message Icon: A graphical icon on the Home screen that allows you to record and retrieve voice messages.

Night: An arming mode for the system. Your system installer set the type of arming and the zones armed when sing this mode.

Partition: An independent group of zones that can be armed and disarmed without affecting other zones or users.

Scene: A series of Z-Wave enabled devices in your home-control network, pre-set to operate remotely.

User Code: A 4-digit code that gives users access to the system's basic functions. See also "Master Code."

Zone: A specific protection point (e.g., door or window).

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' interferences nuisibles. (2) Cet appareil doit accepter toute interference reçue y compris les interferences causant une reception 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.

TWO YEAR LIMITED WARRANTY

Honeywell International Inc., acting through its Security & Communications business ("Seller"), 2 Corporate Center Drive, Melville, New York 11747 warrants its products to be free from defects in materials and workmanship under normal use and service, normal wear and tear excepted, for 24 months from the manufacture date code; provided, however, that in the event the Buyer presents a proper invoice relating to the purchased product and such invoice bears a date later than the manufacture date, then Seller may at its discretion, reflect the warranty period as commencing at invoice date. Except as required by law, this Limited Warranty is only made to Buyer and may not be transferred to any third party. During the applicable warranty period, Seller will repair or replace, at its sole option and as the exclusive remedy hereunder, free of charge, any defective products.

Seller shall have no obligation under this Limited Warranty or otherwise if the product:

(i) is improperly installed, applied or maintained;

(ii) installed outside of stated operating parameters, altered or improperly serviced or repaired by anyone other than the Seller/Seller's Authorized Service/Repair Center;

(iii) damage is caused by outside natural occurrences, such as lightning, power surges, fire, floods, acts of nature, or the like; or

(iv) defects result from unauthorized modification, misuse, vandalism, alterations of serial numbers, other causes unrelated to defective materials or workmanship, or failures related to batteries of any type used in connection with the products sold hereunder.

Exceptions to Warranty With Respect to Honeywell Products listed below:

Hardwire Contacts and PIRs – Seller warrants parts for hardwire contacts and PIRs in accordance with the terms of the above limited warranty for a period of five (5) years from the manufacture date code.

EXCLUSION OF WARRANTIES, LIMITATION OF LIABILITY

THERE ARE NO WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. TO THE FULLEST EXTENT PERMITTED BY LAW, IN NO CASE SHALL SELLER BE LIABLE TO ANYONE FOR ANY (i) CONSEQUENTIAL, INCIDENTAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES ARISING OUT OF OR RELATING IN ANY WAY TO THE PRODUCT AND/OR FOR BREACH OF THIS OR ANY OTHER WARRANTY OR CONDITION, EXPRESS OR IMPLIED, OR UPON ANY OTHER BASIS OF LIABILITY WHATSOEVER, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY SELLER'S OWN NEGLIGENCE OR FAULT AND EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES OR DAMAGES. Any product description (whether in writing or made orally by Seller or Seller's agents), specifications, samples, models, bulletin, drawings, diagrams, engineering sheets or similar materials used in connection with the Buyer's order are for the sole purpose of identifying the Seller's products and shall not be construed as an express warranty or condition. Any suggestions by Seller or Seller's agents regarding use, applications, or suitability of the products shall not be construed as an express warranty or condition unless confirmed to be such in writing by Seller. Seller does not represent that the products it sells may not be compromised or circumvented; that the products will prevent any personal injury or property loss by burglary, robbery, fire or otherwise, or that the products will in all cases provide adequate warning or protection. Buyer understands that a properly installed and maintained alarm may only reduce the risk of a burglary, robbery or fire without warning, but it is not insurance or a guarantee that such will not occur or will not cause or lead to personal injury or property loss. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE OR OTHER LOSS BASED ON ANY CLAIM AT ALL INCLUDING A CLAIM THE PRODUCT FAILED TO GIVE WARNING. However, if Seller is held liable whether directly or indirectly for any loss or damage with respect to the products it sells, regardless of cause or origin, its maximum liability shall not in any case exceed the purchase price of the product, which shall be fixed as liquidated damages and not as a penalty, and shall be the complete and exclusive remedy against the Seller. Should your product become defective during the warranty, please contact your installer to facilitate repair or replacement with Seller pursuant to the terms hereof. Seller reserves the right to replace any defective product under warranty with new, refurbished, or remanufactured product.

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