Tuxedo Touch™ Wi-Fi® Home Automation System

Quick Installation Guide

Full Installation Guide [Part Number 800-16571V2 8/15] available online at: www.MyWebTech.Honeywell.com.

Controller Initial Setup Wizard

When initially powered (or factory defaulted), the initial boot sequence has 8 easy steps:

1. "Operational Mode." Choose the Operation Mode (Languages, Blank Display [see below] and Operating Mode) options.
2. "Set ECP and RIS Address" is displayed. If using one keypad, leave the ECP address set to 1. If using more than one, power-up each keypad one at a time > set each keypad ECP address to the appropriate address. Verify the RIS address the panel programming and AlarmNet Communicator (if required).
3. Review the "Honeywell Privacy Statement and End User License Agreement."
4. Configure the Wireless or LAN connection.
5. Fill in all fields of the "Important Operation Information" screen.
6. If using remote or local login from a PC or Smart Device, create up to 5 username and passwords and select "Authentication for Web Server Local Access" (defaulted enabled) if an access username and password are require for local access.
7. Review the Voice Disclaimer/Limitations of Liability and Tutorial Video.
8. If using the voice feature, participate in the interactive voice tutorial.

Installer Note: The Tuxedo Touch Screen is factory calibrated. Ignore the "CALIBRATE" button that appears after ECP setup.

SCREEN BLACKOUT (EN50131 DISPLAY)

The Screen Blackout (EN50131 Display) compliance feature is a European Standard designed to prevent unauthorized users from viewing the status of the Security System by blanking the screen after 30 seconds, to enable: Press **Setup > System > CS Setup** > Enter an Authorized Code, if required > **Options** > Select **EN50131 Display** to turn the option on or of > **Apply**.

ECP ADDRESS – Change the ECP Address

If the screen is displaying "ECP Error," the ECP address in the keypad is not valid or is not enabled in the panel's programming. In this case, to change the ECP Address, enter the default code of "4140" to advance to the next screen. **Note:** When the keypad displays "ECP Error" the default code is "4140." Once connected to a control panel, use that panel's installer code.
To change the address: press **Setup > System > CS Setup** > enter an Authorized Code, if required > **ECP Address**; use the Up/Down arrows to select a new address.
The available ECP addresses are:
1-2, 5-6…..for residential controls.
1-2, 3-30...for commercial controls under Rev. 10; supports 3 AUIs. *See Important Note below.
1-30 ……. for commercial controls Rev. 10 or higher (Vista-Turbo Panels); which support 6 AUIs.
*IMPORTANT NOTE: If multiple keypads are being used, they must be set to addresses 1, 2, and X (where X equals any address from 3 through 30). Only one AUI type (touch screen) device may be assigned to an address from 3 through 30 on **NON**-Vista-Turbo commercial control panels.

DATE AND TIME – Set the current time and date

Press **Setup > System > Time/Date Setup** > enter an "Authorized Code" > press **Apply** and answer **Yes** to the next prompt.
   a) If **Get Time** is pressed, the keypad retrieves the time/date from the control panel and exits the 'Set Time' screen. (The **Get Time** icon appears with residential panels and may not appear with all commercial panels.)
   b) Or, set the time/date from the **Set Time/Date** screen.

DISPLAY & AUDIO SETUP- Adjust display

1. Press **Setup**; slide the **Brightness / Volume** bar up or down to change settings. Press the **Back** icon and then **Yes** to save.
2. Press **Setup > Disp & Audio Setup** > enter an Authorized Code > **Save.**
 - To adjust the screen timeouts, highlight the option and select a time interval using the up/down arrows for each option (Backlight Off After, To Homepage After and Auto Slideshow After). Select the Temperature Unit.
 - Select **Chime, Voice** or **Voice Chime** operating mode.
 - To clean the keypad screen, press the **Clean Screen** icon; press **Continue**, or press **Cancel** to exit.

USER SETUP - Add a User

Press **Setup > System > User Setup > Add User >** enter an Authorized Code; select each field and enter the appropriate information > **Save.**
For available user numbers, see control panel instructions.

SCREEN SECURITY- View authority levels

Screen Security provides a choice to which screen can be protected with a code consisting an authority level you choose.
See the full Installation Guide for user Authority Levels.
1. Press **Setup > System > CS Setup.**
2. Enter an Authorized Code and press **Screen Security**.
 - To make changes, select the line to change and the level of user to have access, and then press **Apply**.

CODE AUTHORITY – View users / authority levels

Press **Setup > System > CS Setup > Code Authority >** enter the 4-digit Code for the user you want to obtain authority level information.

SYSTEM INFORMATION / UPGRADES

To view the current software version installed, and verify connectivity, press

Setup > System Information 📶.

Software upgrades may be available. To manually upgrade with an SD card, log into **www.TuxedoTouchToolKit.com** and following the instructions provided. Automatic updates are available are available by enabling the "Enable Remote Upgrade" option.

WEATHER FORECAST – Set a location

1. Press the **Weather** feature on the "Home" screen.
2. Select **USA, Canada** or **Other Zip Code/Postal Code** and enter the information on the data entry keyboard.

IP SETUP – Set the IP Address

The Tuxedo Touch Keypads IP Address is used on a standard web browser to control user functions such as Security, Z-Wave operation, and camera viewing.
1. Press **Setup > IP Setup**.
2. Select a type of network connection: **LAN ON** or **WIFI ON.**

For LAN ON (default selection):
 - Connect an Ethernet cable between the router and the Keypad; the IP address and default gateway address of the router is displayed.
 - If the IP address is not displayed, change the "Internet Connection Type" to **Static** and manually enter the necessary IP information from your router onto the keypad.
 - Press **Save.**

For WIFI ON:
 - Press **WIFI ON**; a local WIFI list is displayed. Select the desired WIFI router and enter the **Passphrase/Shared Key** (if applicable).
 - If the WIFI router is not broadcasted, scroll to the bottom of the list and select **Add Network**; enter your **SSID** and if applicable, the **Security Mode/Passphrase/Shared Key**.
 - Press **Save.**

Notes:
- Pressing "Save" after changing the port number resets the keypad.
- To view connectivity, press the **System Information** icon (see section above).
- If left inactive, Web connections disconnect after 10 minutes.
- 3 failed login attempts will disable the remote access feature. To reset, access the "Account Login" page through the Tuxedo.

3. Press **Account Setup** to create a browser log-on page for each user (for higher security) when viewing from a web enabled device or PC on a different sub-net. Enter the required information for each field; press **Save**.

AUTOMATION – Enroll / Add Z-Wave devices

Add a Z-Wave® Light Switch, Thermostat, Door Lock, Garage Door Controller, Water Valve® and Shades:
See the "Programming of Z-Wave Devices" Training Video.
1. Install device according to the manufacturer's directions.
2. Press **Automation > Z-Wave Setup > Add Device**.
3. Press the **Function Key** on the device (defined in the devices installation instructions); follow the keypads on-screen messages until **"Device added successfully"** displays.
4. To verify activation: on the Tuxedo Touch Keypad, press **Back**; wait 30 seconds. Press **Refresh**; the new device is displayed.

See full Installation Guide to view other important Z-Wave information (Including adding/deleting Secondary Keypads).

Changing the Device Name/Icon

As a device is enrolled, many devices learn in as a default icon and name. To change the name and icon of the device (from the Z-Wave Device Management Screen) select the device and press **Device Setup**. **NOTE:** Controllers cannot be edited, only Binary, Multilevel switches and Water Valves. See the table below for icon options.

Z-Wave Device Grouping (For Scene Activations)

After all Z-Wave devices have been enrolled into the Primary Keypad (Controller #1) or secondary Keypad.
1. Press **Automation > Grouping > Add.**
2. Press **Group Name** and enter the desired name.
3. Press **Group Type** and select Binary, Thermostat, Door Lock, Multilevel Switch, Garage Door, Water Valve, Shade, or Other.
4. Select the device(s) to add and Press **Save.**

SCENE SETUP – Define (up to 30) Scenes

The Scene feature is used to control a single device, or multiple devices based on pre-set "Conditions," "Triggers," and "Actions." When a trigger/condition occurs, the defined action is executed.
1. Press **Automation > Scene Setup > Add**.
2. Press **Scene Name**; enter a "Name" and press **OK**.
3. **Add** the "Condition," "Trigger," and "Action" that is to occur for this Scene (see below).
4. **After each selection press Save!!**
Note: Determine if you need a Condition. The Condition must occur prior to a trigger event. See example below:
Example: Turn the lights on when the system disarms, but only at night.
(Condition) **… "only at Night"** ….Set the **TIME** Condition (enter the **Start Time** and **Duration**).
(Trigger) **…when the "system Disarms"** …Set the Trigger to **SECURITY:** System **Disarm**
(Action) **…Turn the "lights ON"** … Set the Action to **LIGHT: ON**.
Scene Rules
- Triggers and Conditions include: **Time** setting Occurrence/Days/Start Time, **Security** mode Disarm/Night/Away/Stay/Away Secured, **Thermostat** setting Above/Below/Temperature Value, Door Unlocked/Locked/ Code Unlocked Status, **Garage Door** Opened/Closed, **Water Valve** Opened/Closed, and Zones Restore/Alarm/Fault.
- **Actions** include choosing **Security** mode Disarm/Night/Away/Stay/Disarm With Code (enter User Code), **Thermostat** setting Set Mode/Set Energy/Set Point, **Door** Unlocks/Locks, **Garage Door** Open/Close, **Water Valve** Open/Close, **Recording** (List the camera's and choose the camera which will record [see "Camera" section, and Email and choose the email addresses and create a custom message. **NOTE:** Each Trigger event can have up to 5 Actions.
NOTES:
- A Trigger event and Condition cannot be the same (i.e., if setting a Trigger event for SECURITY, you cannot set a SECURITY Condition).
- Each Tuxedo supports 30 scenes local, with the ability to review 20 scenes configured in Total Connect. (Editing scenes through Total Connect requires an "Administrative" login to Total Connect).
- Some Actions allow you to select a single device or a group of devices, which is configured on the "Z-Wave Device List" screen.
- Warning: Leak Gopher® Water Valve does not send status to the keypad when manually operating.

TOTAL CONNECT REMOTE ACCESS SETUP

This option requires a Wi-Fi connection.
- Configure you remote access option on your AlarmNet Communicator.
- Verify the remote keypad ECP address and RIS match what is programmed in the panel.
- The RIS option must be enabled in the panel for successful "Panel Sync," executed through Total Connect.
- Verify all Z-Wave devices are enroll and functional in the keypad.

TOTAL CONNECT Z-WAVE SETUP/CONTROL

"Automation" must be enabled through the AlarmNet Communicators Total Connect Service. Total Connect supports 40 lights (including Water Valves), 3 thermostats and 4 door locks and 3 Garage Door Controllers.

To enabled the specific Z-Wave device press **Setup > System > CS Setup > Enter Authorized Code > TC SERVER INFO > TC Enable Icon** 🔘.

PANEL CONFIGURATION–View system details

1. Press **Setup > System > CS Setup**.
2. Enter an Authorized Code and press **Panel Config**.
 - **Delete** clears the keypad and reloads the panel configuration into the keypad (the keypad will reboot).

MULTI-MEDIA – Picture, Video, Camera Setup

Review the Quick User Guide or full Installation Guide for Picture and Video setup.
Camera Setup:
- **If using existing (mounted) cameras;** go to Step 4.
- **If this is a first time setup,** scan/configure the cameras prior to mounting, and then do the following:
1. Connect an Ethernet cable to the back of the camera (LAN); connect the opposite end to the Ethernet port on the router.
2. Apply power to the camera; wait for initial power-up.
3. Press **Multi-Media > Camera > Camera Setup.**
4. Press **Discover** to locate the camera. The screen displays "Discovering Cameras Please Wait…"
Note: For best performance set video resolution to 320 x 240, 8 frames per sec.
5. Press **Add** if the camera information is not discovered automatically, to enter information manually.
6. To edit camera information, highlight the camera name and press **Edit**. Enter required information and then press **Save**.
  a) To retrieve camera settings and connect to the camera, press **Connect**.
  b) Press **Total Connect** to reset the camera to the Total Connect for remote viewing.
  c) Press **Reset** to reset the camera to factory default. Select **Yes** or **No**.
7. When all cameras have been added, press **Camera WIFI** and enter the wireless information from the router.
8. Press **Apply to All** to set cameras to wireless operation.
9. Press **Settings** to enter advanced settings for Video, Network, Wireless and Other settings.
10. Remove Ethernet cable from wireless cameras to view wirelessly via the Keypad. If the camera does not have wireless capability, leave the camera connected.

Use the icons to: **Delete/Delete ALL > Play > Stop** 🔘 **> Refresh >** ↙↘
Auto Pan ⟷ **> Quad View** ⊞ **> Full View** ⤢ **> Pan/Tilt** ⊡
> Back ⬅ .
Notes:
1. QuickTime® media player must be installed on your PC.
2. Camera viewing is compatible with IE8 (and above) and Safari 5.0 (and above); and not compatible w/Opera web browsers or Chrome version 42 or higher.
3. Do not use ports 6665-6669 for camera HTTP configuration.

E-Mail Notifications

Review the Full Installation Guide for detailed Normal Mode and Automation mode email set up information. **Note: "Email notification is strictly for convenience use only. Avoid relying on this feature for life critical events. It is not UL certified and may fail at any time without notice."**
1. Add an email address (The email address in which the notification will generate from): Press **Setup > E-Mail > User SMTP.**
2. Enter The "E-Mail Server Name," "E-Mail ID," "Password," "E-Mail Server," and "SMTP PortNum."
3. Press **Save > Back.**
4. Choose **Event 1-4.**
5. Select the event and trigger in which the notification is to be sent. The options are "Security," "Zones," "Thermostat," "Door Lock," "Garage Door," "Water Valve," and "Recording."
6. Press **E-Mail Address** and enter up to 4 email addresses.

Example: Configure an email for Security Arming Away/Disarm/Alarm, Door locked/Unlocked, Recording on an established event (set in scenes in "Camera Setup," and "Scenes").
1. Press the check box next to **Security, Door Lock,** and **Recording**.
2. Press **Security** then the check boxes next to **Disarm, Away Secured,** and **Alarm.**
3. Press **Door Lock,** and then from the drop down list select the door lock. (**NOTE:** To send emails for additional locks, another event must be created (total events are 4). Select the check box next to **Locked** and **Unlocked.**
4. Press **Recording** and check the box next to **On Event Recording.**
5. Press **Save.**

Account Setup – Remote Login

Local remote login is accessed by entering the IP address in the bottom left had corner on the smart devices web browser, if connected to the same network. The other option is to enter **HTTP://Tux.MyLanConnect.com.**

NOTE: If the "Secured Web Server Access (HTTPS)" option is enabled on the **Account Setup** screen, the address will be **HTTPS://Tux.MyLanConnect.com.** A list of the keypad connected to the same network appear. Press the IP address to access the Tuxedo's home screen. Remote Access through an outside network requires port forward configuration on the router. After referring to the router, enter the external IP address: port number that is forwarded to access the Tuxedo's home screen.

UL Notes

- Email Notifications are supplementary only and have not been evaluated by UL.
- Automatic Software Updates are not applicable for UL applications.
- Wi-Fi has not been evaluated for UL applications.
- Voice Input Commands are supplementary and not evaluated for UL applications.
- Remote arming/disarming/programming is not to be used in UL Listed Installations.

USE OF THESE PRODUCTS IN COMBINATION WITH NON-HONEYWELL PRODUCTS IN A WIRELESS MESH NETWORK, OR TO ACCESS, MONITOR OR CONTROL DEVICES IN A WIRELESS MESH NETWORK VIA THE INTERNET OR ANOTHER EXTERNAL WIDE AREA NETWORK, MAY REQUIRE A SEPARATE LICENSE FROM SIPCO, LLC. FOR MOREINFORMATION, CONTACT SIPCO, LLC OR IPCO, LLC AT 8215 ROSWELL RD., BUILDING 900, SUITE 950, ATLANTA, GA 303350, OR AT WWW.SIPCOLLC.COM OR WWW.INTUSIQ.COM

Icon Reference Table

System Setup	Clean Screen	CS Setup	System Information	Z-Wave Setup	Refresh	Primary Controller	Secondary Controller	Scene Setup	Add Scene	Camera Setup	Camera Recording	Camera Discover	Connect	Total Connect	Reset

Z-Wave Device Icon Options

Account Login	System	Camera Wi-Fi	Email	Home Page	Group	Software Download Available	Display and Audio Setup	Screen Security	IP Setup	Dimmable Light	On/Off Light	Garage	Sprinkler	Pool	Water Valve	Siren	Shade	Sounder	Fan

NOTE: This device is a Security Enabled Z-Wave Controller

TUXEDO TOUCH

This Keypad is for indoor use only and should be mounted at a comfortable viewing level. Avoid mounting in areas of high condensation such as bathrooms or in locations where bright light or sunlight shines directly on the screen. The TouchCenter can be mounted with or without the mounting plate. Use the center securing screw for European installations.

① REMOVE CASE BACK

DETACH THE MOUNTING PLATE BY SLIDING DOWNWARD

MOUNTING PLATE

TURNED 90°

② MOUNT TO WALL

WALL SURFACE

MOUNTING PLATE

MOUNTING OPTION 1
USE MOUNTING PLATE TO MARK LOCATION OF HOLES ON SURFACE. CHECK FOR LEVEL

SECURE THE MOUNTING PLATE TO THE SURFACE USING THE FOUR (4) SCREWS PROVIDED

SEE DETAIL A

LOCATE THE MOUNTING PLATE WITH THE SURFACE AND CABLE/WIRE ACCESS

WALL SURFACE

CONTROL PANEL

INSTALL FOUR (4) MOUNTING SCREWS

WALL SURFACE

LEAVE 1/8" ABOVE SURFACE. MOUNT KEYPAD BY SLIDING PLATE DOWNWARD ONTO SCREW HEADS.

TEMPLATE

MOUNTING OPTION 2
WITHOUT MOUNTING PLATE
USE TEMPLATE TO MARK LOCATION OF SCREWS AND CUT-OUT FOR THE KEYPAD ON SURFACE. CHECK FOR LEVEL

MOUNTING PLATE (NOT USED DISCARD)

INSERT SD CARD

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

COMPATIBILITY

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

NOTE: For SIA installations used with a VISTA-128BPTSIA Control, see the SIA CP-01 Quick Reference Chart located on MyWebTech, Document # 800-09899.

Alarm System	Maximum Number of Keypads	Minimum Software Revision Level
VISTA-15P, VISTA-20P, FA148CP, FA168CPS	2	3.0
VISTA-20P, FA168CPS	4	5.0
*VISTA-21iP	4	1.0
VISTA-128BP, VISTA-250BP	3	4.4
VISTA-128BPEN	3	7.0
VISTA-128FBP, VISTA-250FBP, FA1670C	3	4.1
VISTA-128FBPN	3	5.1
VISTA-128BPT, VISTA-250BPT, VISTA-128BPTSIA, FA168GT	6	10.1
FA160C, FA1700C	3	3.0

*Not UL Listed

③ CONNECT WIRING

CONTROL TERMINAL STRIP
AUX AUX DATA DATA
+ – IN OUT

YELLOW (DATA FROM CONTROL)
RED (+12VDC)
BLACK (GND)
GREEN (DATA TO CONTROL)

IP CONNECTION

Y + – G
RJ45

DETAIL A

SUPPLEMENTARY POWER CONNECTIONS

POWER FROM SUPPLEMENTARY POWER SUPPLY IF USED

CONTROL TERMINAL STRIP
AUX AUX DATA DATA
+ – IN OUT

BLACK

SUPPLEMENTARY +12 VDC POWER SUPPLY P/N AD12612

BLACK
RED
GREEN
YELLOW

NOTE: Supplementary external power supply must be Listed to UL 603 for UL installations, CAN/ULC-S318 for cUL installations, and capable of providing the required backup power.

CASE FRONT

DETACH CASE FRONT BY REMOVING SCREWS (2) AND LIFT UP

CASE BACK

INSTALL CENTER SECURING SCREW

REPLACE CASE FRONT

(OPTIONAL) SECURING THE CASE BACK
REQUIRED FOR EUROPEAN INSTALLATION

NOTE: The European mounting procedure has not been evaluated by UL.

SPECIFICATIONS:

Mechanical Specifications:
Width: 8.23 inches (209.04mm)
Height: 5.59 inches (141.99mm)
Depth: 1.13 inches (28.70mm)

Electrical Specifications:

	9.6VDC	12VDC	13.8VDC
Backlight OFF, Sound OFF, WiFi ON	170mA	140mA	130mA
Backlight ON, Sound OFF, WiFi ON	280mA	225mA	200mA
Backlight ON, Sound ON, WiFi ON	340mA	260mA	250mA

Operating Environment:

Humidity	93% RH, non-condensing
Operating Temp.	14°F to 131°F / -10°C to 55°C (UL tested 32°-120°F / 0 to 49°C)
Ship/Storage/Temp.	-40°F to 158°F / -40°C to 70°C

INSTALL IN ACCORDANCE WITH NFPA-70 AND NFPA-72.

WIRING

Connect the Tuxedo Touch in parallel with keypads and other peripheral devices using the keypad data (ECP) bus. If more than one keypad is wired to one run, then the maximum lengths must be divided by the number of keypads on the run. (e.g., the maximum length is 75 feet if two keypads are wired on a #22 gauge run).

Wire Gauge:	Length
#22 gauge	150 feet
#20 gauge	240 feet
#18 gauge	350 feet
#16 gauge	550 feet

Honeywell

2 Corporate Center Drive, Suite 100
P.O. Box 9040, Melville, NY 11747
www.honeywell.com/security
Copyright © 2012 Honeywell International Inc.

6280-mounting_wiring-001-V0

MyWebTech   Warranty   Patents