



ELK-7TS Touchscreen Reference Guide for Alarm Engine

**The AE App requires E27 Firmware 0.5.80 or later.
Ensure the E27 firmware is up-to-date before proceeding.**



www.elkproducts.com

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ELK-7TS Product Overview

The ELK-7TS is a network based 7" touchscreen designed to pair seamlessly with the E27 Alarm Engine, delivering a modern, intuitive control experience. The dedicated Alarm Engine interface allows users to easily view overall system status, arm or disarm the system, and check the status of individual sensors. It also provides quick access to event history and powerful automation controls — including managing lights, locks, thermostats, garage doors, and other connected outputs — all from one convenient, on-premises hub. This ensures a consistent and user-friendly experience across both the touchscreen and mobile devices connected to the system.

Features

- Compatible with E27 Alarm Engine or M1 Security & Automation Controls
- Connects to network via Wi-Fi
- Connects to E27 or M1 over local network
- Ultra Low Profile screen with slim wall mount plate
- Optional Desk Stand Available
- Optional Ethernet/PoE Adapter Available

Specifications

- 7" HD Display (1024 x 600 Resolution)
- Responsive capacitive touchscreen, with 5-point multi-touch
- G+G Gorilla Glass screen
- Wi-Fi Connectivity (802.11b/g/n 2.4GHz)
- Power: 12-14VDC, 1A (not included)
- Size: 7.59" x 4.56" x 0.56"
- Max # of Touchscreens = 6*

In the Box

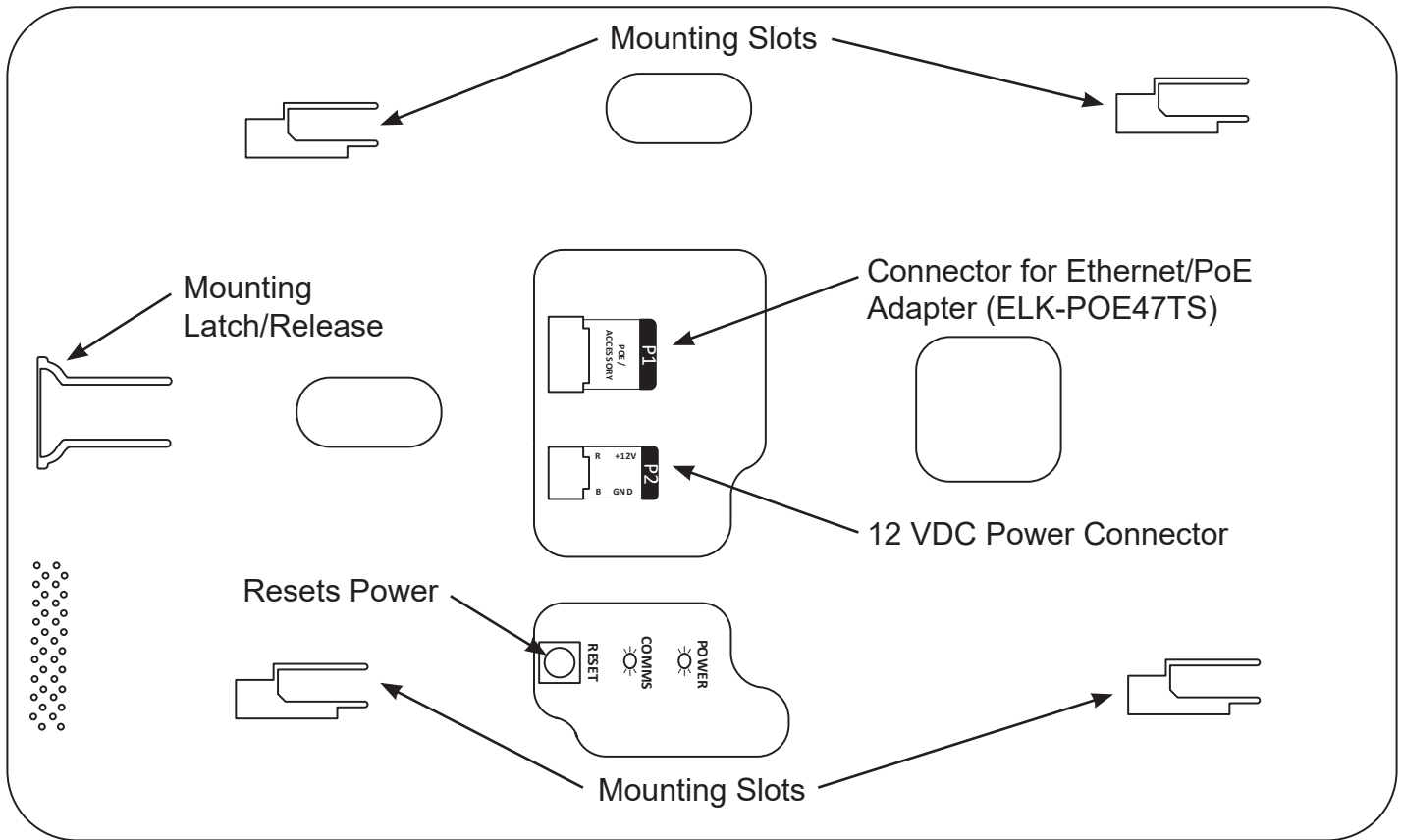
- ELK-7TS - 7" Color Touchscreen
- Wall Mount Plate
- Mounting Hardware
- Wiring Harness

Optional Accessories

- **ELK-POE47TS** - Ethernet & PoE Adapter
- **ELK-DS47TS** - Desk Stand
- **ELK-P1417** - 14VDC, 1.7Amp Power Supply

** The E27 Alarm Engine supports a total of 6 linked network devices. Linked network devices include ELK-7TS touchscreens and 3rd integrated systems (Control 4, Crestron, Elan, Savant, URC, etc.)*

Installation & Wiring



Back View of ELK-7TS

Wiring a 12VDC Power Supply

The ELK-7TS touchscreen can be powered by a 12-14 VDC, 1.5 Amp (ELK-P1417 recommended). Due to the current draw requirements of the touchscreen, it is not recommended to power the touchscreen from the E27, especially in installations with multiple touchscreens.

A wiring harness is supplied to connect the power supply to the touchscreen. Connect the red wire on the harness to the positive terminal of the power supply. Connect the black wire on the harness to the negative terminal of the power supply. **Be careful to observe polarity!**

When using this method to power the ELK-7TS, the touchscreen can be connected to the local network via Wi-Fi. Alternately, the ELK-POE47TS can be used to connect the touchscreen to a standard (Non-POE enabled) network router or switch.

Connecting the ELK-POE47TS Ethernet & PoE Adapter

The ELK-POE47TS can be used as an Ethernet adapter when Wi-Fi is unavailable or not preferred. Using a standard network patch cable, connect the RJ45 port on the ELK-POE47TS to a network router or switch. When used in this manner, a separate 12VDC power source must be connected to the dedicated power connector of the touchscreen.

The ELK-POE47TS can also be used to provide both power and network connectivity to the ELK-7TS when used in conjunction with a PoE enabled switch or PoE injector. Using a standard network patch cable, connect the RJ45 port on the ELK-POE47TS to a PoE switch or injector. When used in this manner, power must be supplied by the PoE switch or injector.

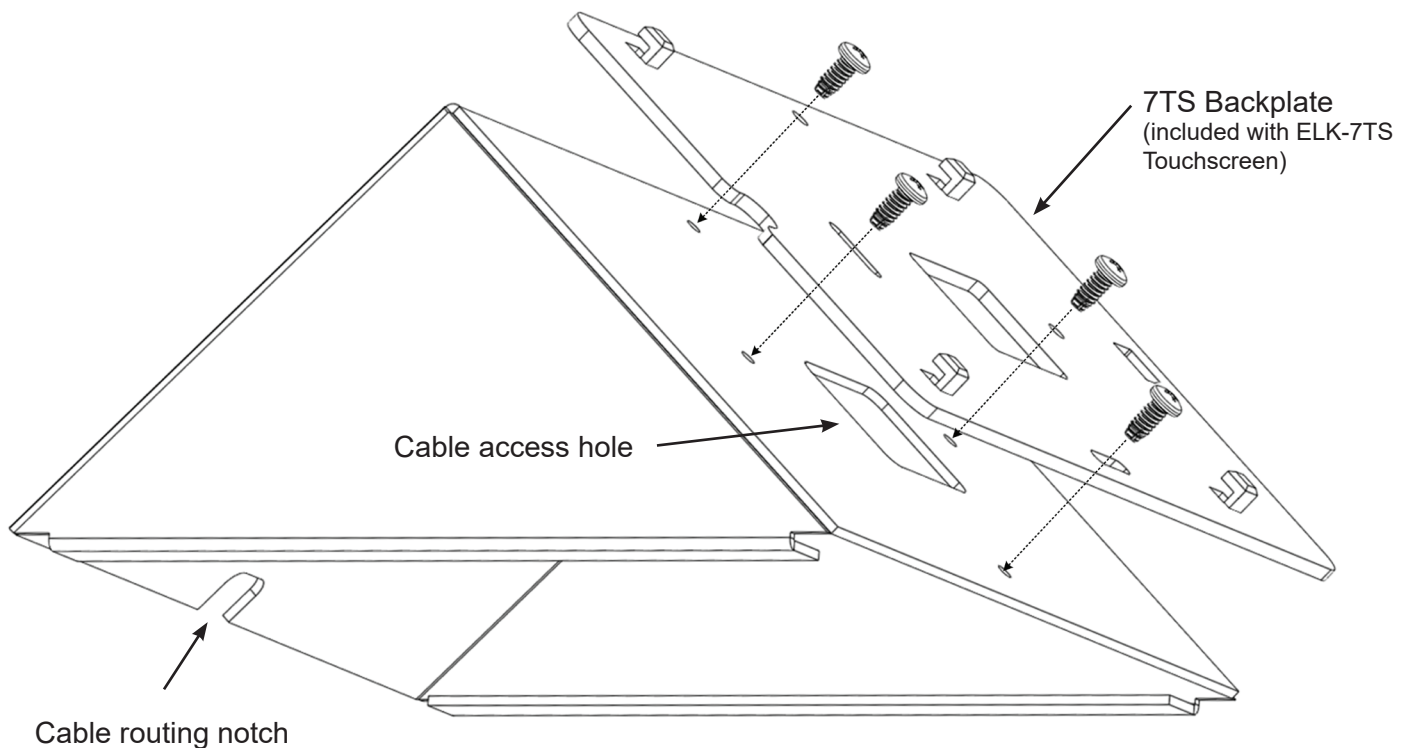
Mounting the ELK-7TS using the Wall Mount Plate

Ideal touchscreen mounting height is 50-58 inches above the floor. Select a location with an ambient temperature range between 32° and 120° F (0° to +49° C). Avoid direct sunlight if possible.

1. If using an electrical box, install the box per the manufacturer's instructions. Route wiring to the electrical box, ensuring enough wire is fed through the box to enable easy connection to the back of the touchscreen. If mounting directly to the wall, use the mounting plate to mark location of holes for wall anchors and wire cutout. Drill holes and install wall anchors. Route wiring to the wire cutout, ensuring enough wire is fed through the cutout to enable easy connection to the back of the touchscreen.
2. Fasten mounting plate to electrical box (or directly to wall). Ensure the four mounting tabs are turned in an upward position.
3. Plug power supply and/or PoE connector into the appropriate connector on the back of the touchscreen.
4. Align the mounting slots on the back of the touchscreen with the mounting tabs on the backplate. Take care to ensure all wires are neatly tucked behind the touchscreen.
5. With all mounting 4 tabs inserted in the mounting slots, shift the touchscreen to the right until it clicks into place and engages the mounting latch/release.

Mounting the ELK-7TS to the Desk Stand

1. Secure ELK-7TS backplate to the ELK-DS4TS using the supplied self-tapping screws.
2. Route necessary cables and harnesses through the cable access hole, ensuring enough wire is fed through the box to enable easy connection to the back of the touchscreen.
3. Use supplied cable tie mounts and cable ties to secure harnesses and cables in place.
4. Plug power supply and/or PoE connector into the appropriate connector on the back of the touchscreen.
5. Align the mounting slots on the back of the touchscreen with the mounting tabs on the backplate. Take care to ensure all wires are neatly tucked behind the touchscreen.
6. With all mounting 4 tabs inserted in the mounting slots, shift the touchscreen to the right until it clicks into place and engages the mounting latch/release.
7. Route power and/or network cables through the cable routing notch to ensure stand sits flat.

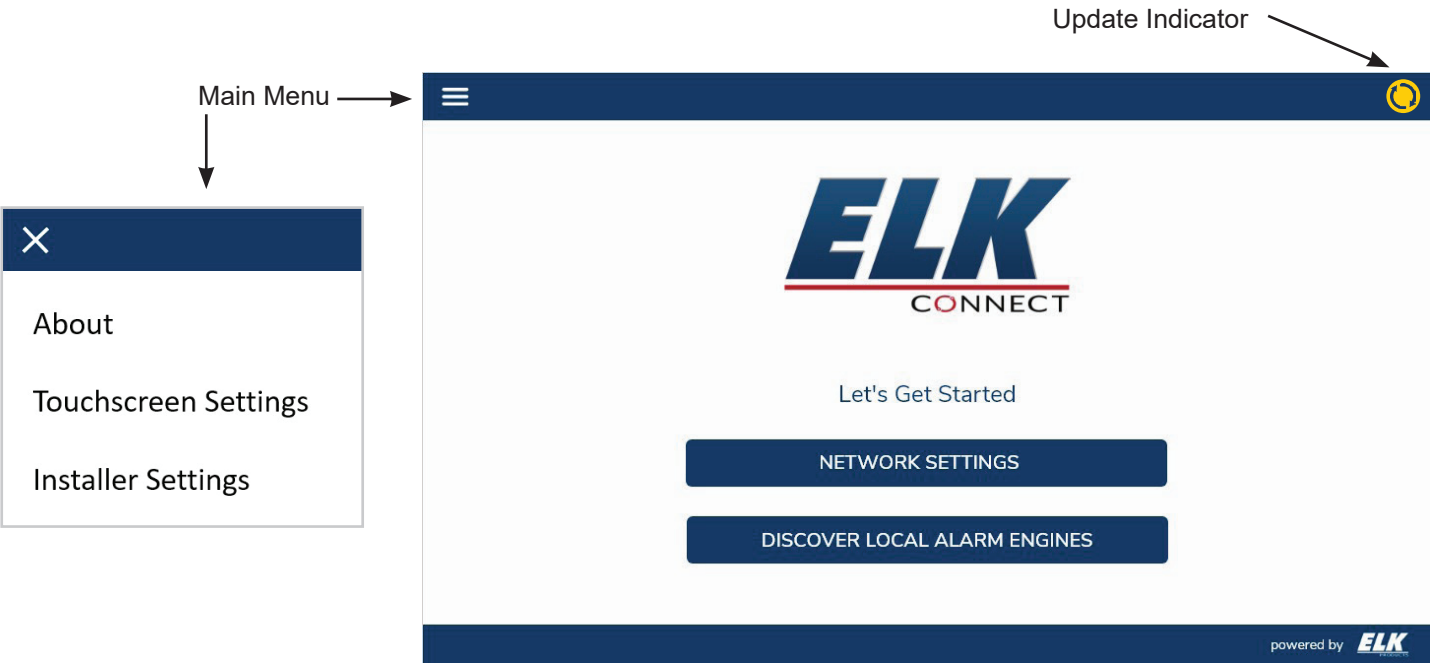


Configuration

Getting Started

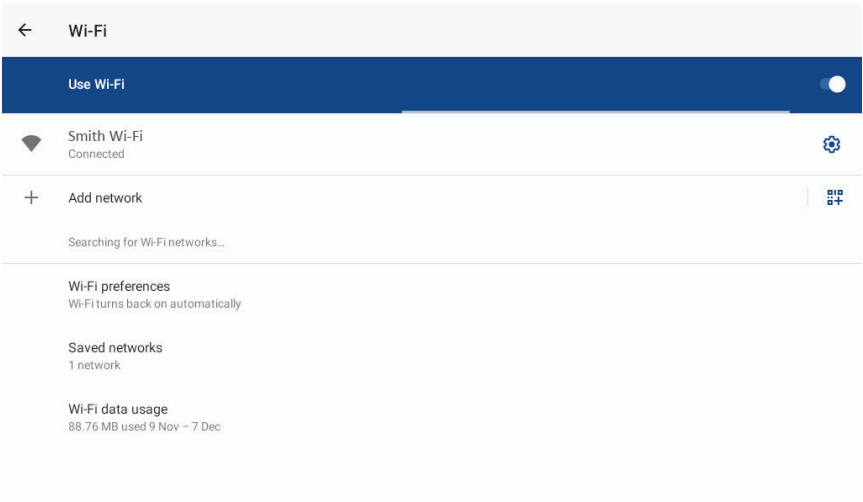
The ELK-7TS touchscreen is designed to work with ELK’s Alarm Engine and M1 Controls. When the touchscreen is powered up for the first time, an app selector will be presented. Select Alarm Engine to launch the Alarm Engine app. **The AE app requires a reboot after initial selection to complete the startup routine.** The screen will automatically reboot after two minutes. Alternatively, you can manually reboot via power cycle or by choosing “Restart Touchscreen” from the Touchscreen Settings menu. From this point forward, the Alarm Engine app will automatically launch on power-up.

The E27 must be connected to the local network via a hardwired connection to the on-board Ethernet port or through the Alarm Engine Wi-Fi adapter (ELK-AEWF). In order for the Alarm Engine app to find Alarm Engines, the ELK-7TS touchscreen must be connected to the same local network as the E27. The 7TS can be connected to the local network via Wi-Fi or the ELK-POE47TS Ethernet/PoE Adapter. When connected via the ELK-POE47TS, the touchscreen will obtain a DHCP address from the router and connect to the network. If the 7TS will connect via Wi-Fi, follow the instructions below.



Connecting the ELK-7TS to a Wi-Fi Network

- To connect the touchscreen to the Wi-Fi network:
1. Tap NETWORK SETTINGS on the “Let’s Get Started” page.
 2. Ensure the Use Wi-Fi Toggle is on
 3. Select the desired Wi-Fi network from the list
 4. When prompted, enter the Wi-Fi password, then tap CONNECT.
 5. The touchscreen will establish a connection with the Wi-Fi Network.
 6. When connected, tap the back arrow in the upper left corner to return to the “Let’s Get Started” page.



Checking for Software Update

Before proceeding, it is important to check for software updates to the AE App. Updates are performed via an over-the-air update process. This process requires the touchscreen to be connected to the Internet. When an update is available, the update indicator icon will appear in the upper right corner of the screen.

To install the update, tap the main menu icon, and go to the Installer Settings page. When an update is available, a yellow banner will be displayed at the top of the Installer Settings page. Tap the VIEW UPDATE INFORMATION to see more details about the update.

The current version and new version will be displayed. To install the new version, tap the INSTALL UPDATE NOW button. A progress bar will be displayed. Updates can take up to 5 minutes to complete.

When the update installation is complete, the touchscreen will automatically restart. The AE app will automatically launch. If this is a new installation, proceed to the Linking process. If the touchscreen is already linked, it will automatically re-establish a connection with the Alarm Engine.

Note: Release notes for new AE app updates can be viewed at www.elkproducts.com

Installer Settings

Tap the main menu icon and go to the Installer Settings page. A valid Installer code is required to access this page (unless screen is new/defaulted). From the Installer Settings page, contact information for the Installer can be entered and edited. This information is viewable by the user when accessing the Installer Info page. Enter a name, telephone number and email address, then tap SAVE.

Defaulting Touchscreen

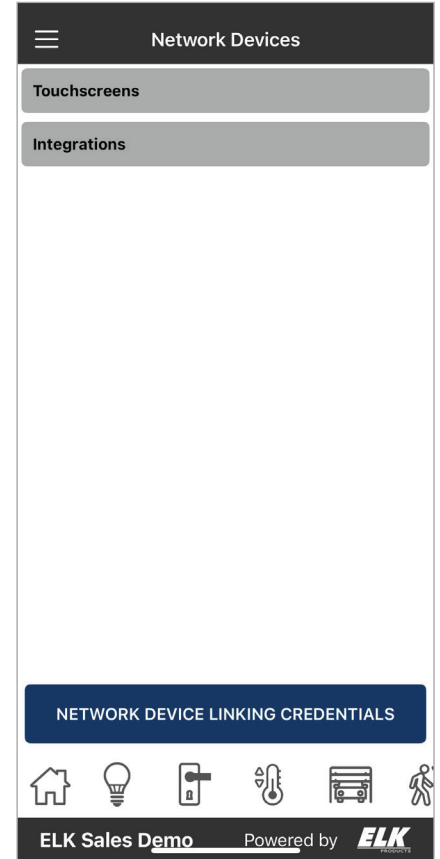
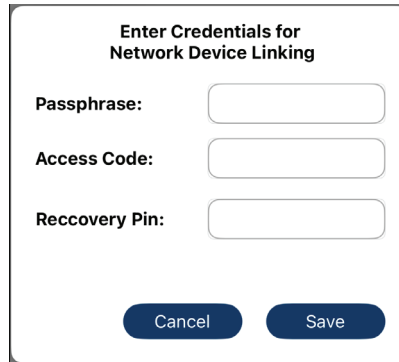
In some cases, it may be necessary to factory default the touchscreen. This can be done from the Installer Settings page. This action will restore touchscreen to the app selection page. All saved data, including system links, stored pins, software updates, etc. will be deleted. This action cannot be undone.

Linking the ELK-7TS to an E27 Alarm Engine

The ELK-7TS touchscreen connects to the E27 Alarm Engine through a proprietary linking process designed specifically for security and reliability. This process establishes an encrypted communication channel, protecting data from unauthorized access, while a built-in connection manager continuously monitors and maintains the link. The result is a secure, seamless, and dependable connection that ensures the touchscreen always stays in sync with the Alarm Engine for real-time system control and monitoring.

Before linking the 7TS touchscreen to the E27, the E27 Network Device Linking Credentials must be configured from the ElkConnect app.

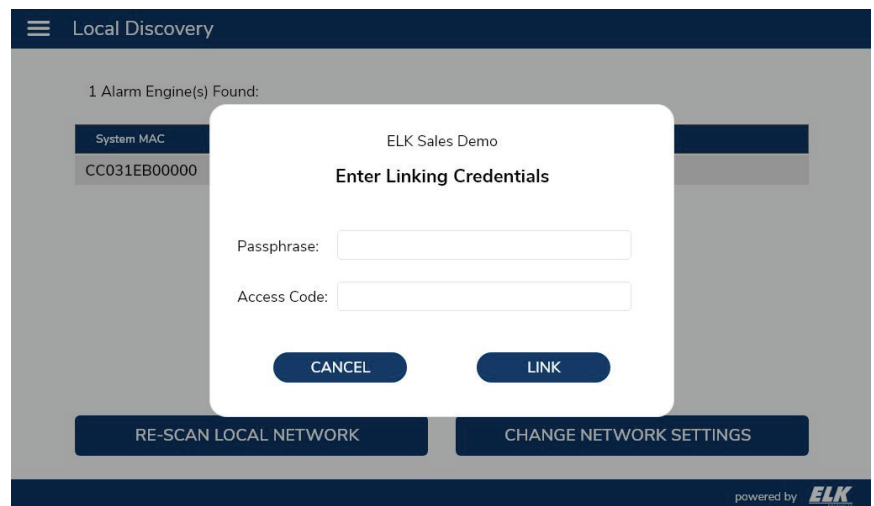
1. Launch the ElkConnect app and Login with Installer credentials.
2. Connect to the desired E27 using an Installer PIN.
3. Tap the Main Menu ☰ icon in the upper right corner.
4. Scroll to and select Network Devices.
5. Tap the Network Device Linking Credentials button at the bottom of the Network Devices page.
6. Enter a passphrase. The passphrase must be a minimum of 4 characters and a maximum of 20 characters. Valid characters include letters, numbers, and special characters shown below.
! @ # \$ % ^ & * () - _ = + \ | , { } ; : / ? . > < ~
7. Enter an access code. The access code may be up to 8 digits in length.
8. Enter a Recovery PIN. This PIN serves as a backup credential, enabling access to PIN-protected menus if the touchscreen is unable to validate PIN data due to a loss of communication or authentication failure with the Alarm Engine
9. Click the Save button to save the network device linking credentials.



10. From the “Lets Get Started” page on the touchscreen, tap DISCOVER LOCAL ALARM ENGINES. A list of Alarm Engines will be displayed including the and MAC address and System Name. In many cases, only one system will appear in the list.

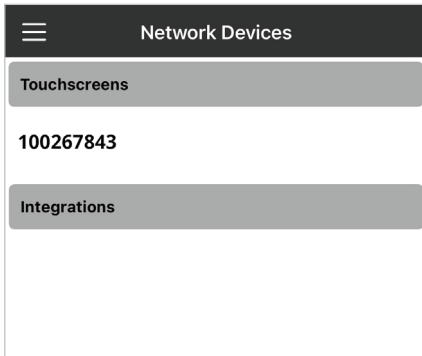
If no local Alarm Engines are found, try the scan again by tapping RE-SCAN LOCAL NETWORK. If the touchscreen is unable to find any local Alarm Engines, tap CHANGE NETWORK SETTINGS and review the network and/or Wi-Fi settings.

11. Tap the desired Alarm Engine from the list. When prompted, enter a passphrase and access code configured in the E27. Then tap the LINK button.
12. The Alarm Engine app will establish a connection to the E27 Alarm Engine.



Network Device Settings for Touchscreens

When a touchscreen is linked to the E27, it appears on the Network Devices page in the ElkConnect app. The E27 manages key settings that control how the touchscreen functions. To view and adjust these settings, simply tap the touchscreen you want to configure from the list. After making the desired changes, tap SAVE.



Serial Number: Displays the touchscreen serial number, a unique identifier for each touchscreen.

Name: Enter a name for the touchscreen. Name should be limited to 20 characters or less and may contain letters and numbers. Do not enter any special characters in the touchscreen name.

Areas: Select the desired area(s) to which the touchscreen is to be assigned. Each touchscreen may be assigned to one or more areas. The touchscreen will display information and control the assigned area(s).

Quiet Time Start Time: Select the desired time to begin quiet mode.

Quiet Time End Time: Select the desired time to end quiet mode.

Enable Quiet Time: If enabled, all non-alarm beeps will be suppressed between the quiet time start and stop times.

Enable Chime: If enabled, the touchscreen can emit chime tones. The activation of chime tones is based on the chime status for the area(s), and the Chime attribute in Sensor Details. If the Chime feature is on and a sensor with the chime attribute enabled is tripped, a chime tone will be emitted from any touchscreens in the area(s) that have Enable Chime enabled.

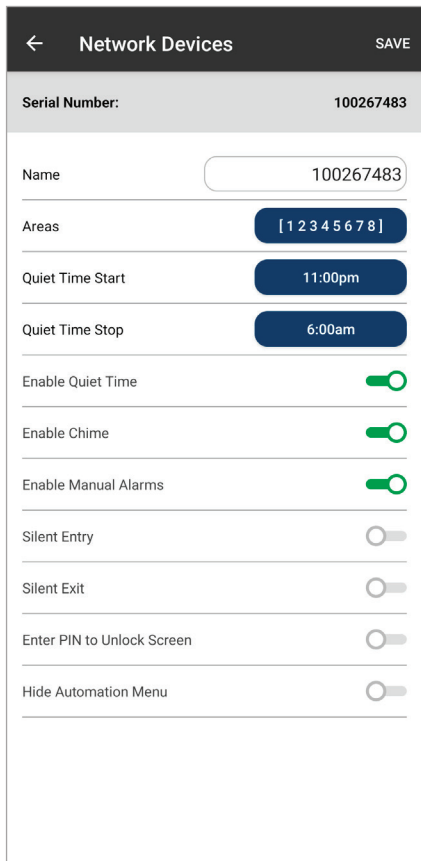
Enable Manual Alarms: If enabled, the touchscreen will display an Emergency button on the home page. This button will provide access to manual activation buttons for Fire, Police, Emergency (Medical), and Local (Siren Only) alarms.

Silent Entry: If enabled, the touchscreen will not emit any entry tones during the entry delay time. The entry delay countdown will be displayed on the touchscreen.

Silent Exit: If enabled, the touchscreen will not emit any exit tones during the exit delay time. The exit delay countdown will be displayed on the touchscreen.

Enter PIN to Unlock Screen: If enabled, a valid PIN entry will be required to unlock the screen from the Screensaver or Night Mode.

Hide Automation Menu: If enabled, automation related menus will not be displayed in the Main Menu or Quick Menu. Automation related menus include Lights, Locks, Thermostats, Garage Doors, Outputs, Tasks, and User Values.



Note: Other touchscreen settings are managed by the touchscreen and are accessible from the Touchscreen Settings Menu in the Alarm Engine app. See Touchscreen Settings on Page 10.

Touchscreen Settings

The Touchscreen Settings page provides access to Network, Volume, Brightness, and Sleep settings. Also provides a Clean Screen function. To access Touchscreen Settings, tap the main menu icon in the upper left corner, then choose Touchscreen Settings. A valid Master user code is required to access this menu.

Volume: Use this slider to set the desired volume level

Brightness: Use this slider to set the desired brightness level for the screen.

Screen Timeout/Saver After: Tap this button to change the Screen timeout interval. This setting determines when the screen will go dark or activate the screen saver after inactivity.

Enable Night Mode: If enabled, the screen will go dark during quiet time. Quiet Time settings can be managed from the Network Devices page in the ElkConnect app.

Enable Screen Saver: If enabled, a screen saver will be displayed after inactivity based on the “Screen Saver After” setting. The screen saver displays the current date and time, as well as the current weather forecast.

Weather data is based on the location of the E27 as set on the System Settings page in the ElkConnect app. Weather data requires an active internet connection and includes current temperature, daily high and low temperatures, and current weather condition.

Network Settings: Tap this button to view or change Network settings. The Network & Internet page provides access to the current connection settings and allows changes to those settings. After viewing/changing settings, tap the back arrow in the upper left corner to return to the Touchscreen Settings page.

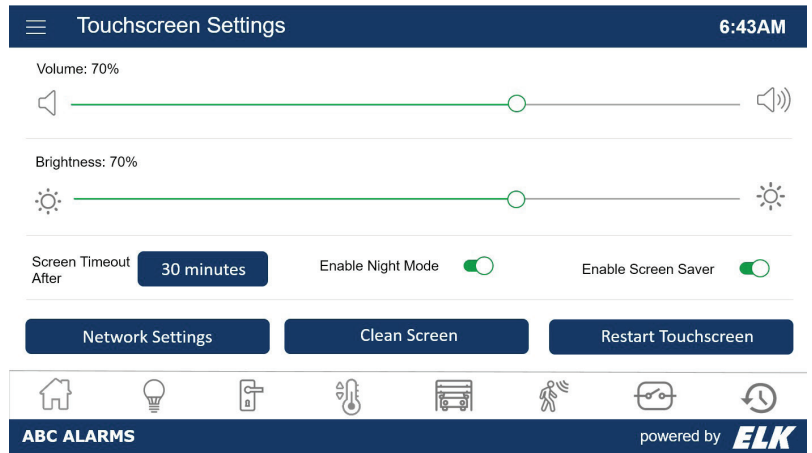
- If connected via Wi-Fi, the name of the current Wi-Fi network will be displayed. Tap to view the settings for the current Wi-Fi network, or to select a different network. The Wi-Fi page shows the name and signal strength of the Wi-Fi network the touchscreen is currently connected to. It also shows other available Wi-Fi networks and Wi-Fi preferences. When finished making changes, tap the back arrow in the upper left corner.
- If connected via the ELK-POE47TS Ethernet/PoE adapter, Ethernet will appear on the Network & Internet page. Tap to view the Ethernet settings, including current IP address, Gateway, DNS, etc. From this page, it is possible to set a Static IP address if desired. When finished making changes, tap the back arrow in the upper left corner.

Clean Screen: This button provide a 30 second window when the touchscreen will not respond to touch, allowing the glass surface of the screen to be cleaned. During the 30 second window, a countdown timer will be displayed, showing the time remaining before the screen returns to normal operation.

Cleaning Recommendations:

1. Remove Dust and Debris: Gently blow or use a can of compressed air to remove any loose dust or debris from the screen and surrounding areas.
2. Use a Microfiber Cloth: Microfiber cloths are ideal for cleaning electronic device screens as they are soft and won't scratch the glass. Wipe the screen in a circular motion, applying light pressure. Avoid pressing too hard, as this could damage the screen.
3. Dampen the Cloth (Optional): If there are stubborn smudges or fingerprints, you can dampen the microfiber cloth slightly. Use distilled water for this purpose. Avoid using tap water, as it may contain minerals that can leave residue. Ensure the cloth is not too wet; you don't want excess moisture to seep into the touchscreen. If there are stubborn stains or germs, you can use a solution of isopropyl alcohol and distilled water. Mix it in equal parts and dampen the cloth slightly. Do not apply the solution directly to the screen. Wipe the screen gently, applying minimal pressure. Avoid pressing too hard, as this could damage the screen. After cleaning, allow the screen to air dry or use a dry section of the microfiber cloth to ensure there is no remaining moisture.
4. Repeat if Necessary: If there are still smudges or marks, repeat the process. Avoid using excessive force or abrasive materials.
5. Avoid Harsh Chemicals: Do not use harsh chemicals, such as ammonia-based cleaners or abrasive materials like paper towels, as they can damage the screen.

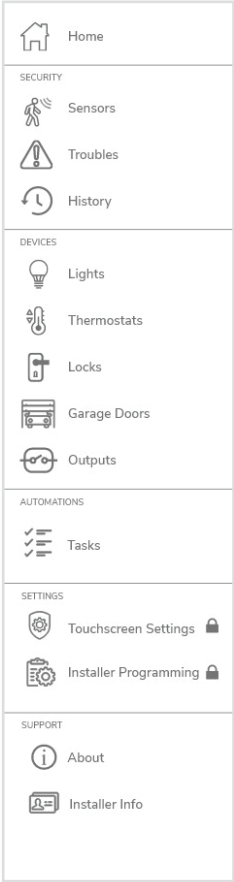
Restart Touchscreen: In some rare cases, it may be advantageous or necessary to restart the touchscreen. Tap to restart the touchscreen without the need for physically removing and reapplying power.



User Operating Guide

The Alarm Engine app on the ELK-7TS provides a clean, modern interface for controlling an Alarm Engine. It shares many design aspects with the ElkConnect mobile app, providing a consistent user experience. The Alarm Engine app provides controls for Users to operate the system. Touchscreen Settings and Installer Settings menus are accessible only with a valid code with sufficient permissions.

Home Page



Main Menu

Tap the main menu button to see a full list of menu items. Some menu items require a valid master or installer PIN. A lock icon will appear beside these items in the main menu.

Quick Menu

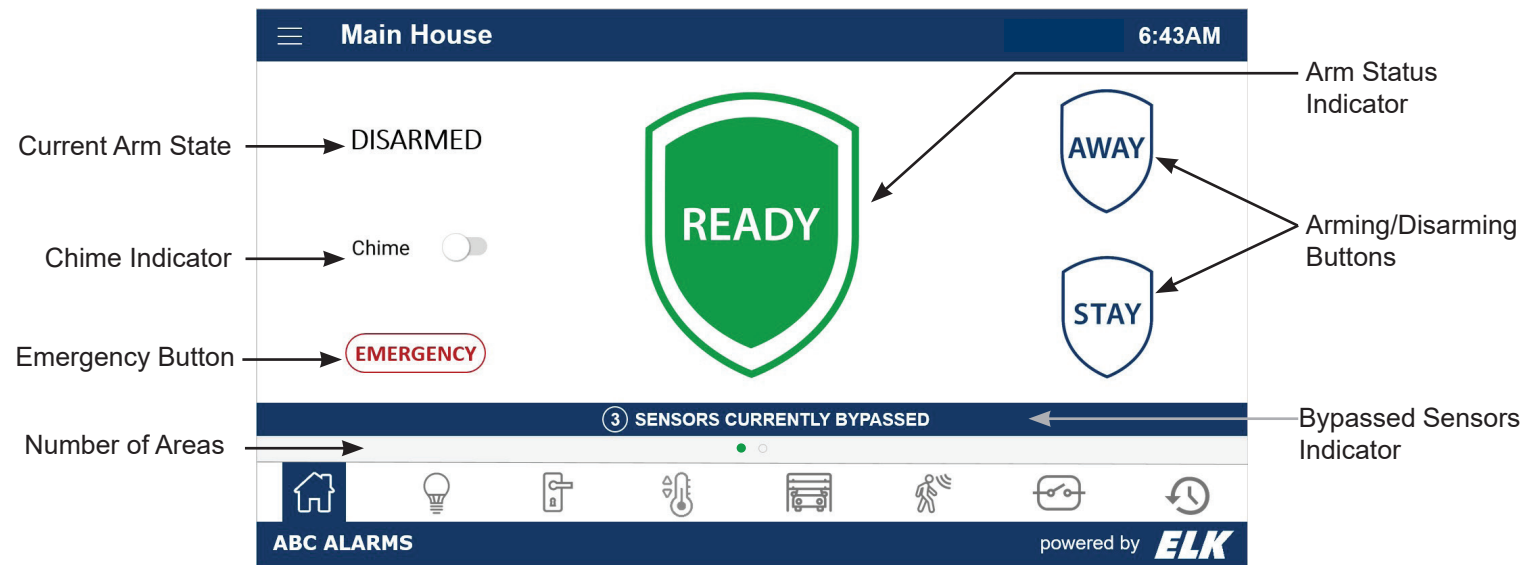
The Quick Menu provides easy access to common screens, including Home, Lights, Locks, Sensors, History, etc. All items in the Quick Menu are also accessible from the Main Menu. Some items may be hidden when Hide Automation Menus is enabled in the Network Device Settings in the ElkConnect app.

Trouble Indicator

When a trouble condition exists, the trouble indicator will be displayed at the top of the screen. To view trouble details, tap the trouble icon to view the troubles page.

Area Section

The Area section shows the current status and provides controls for each area. If multiple areas are configured, additional areas can be accessed with by swiping to the left/right.



Arming/Disarming

- When the system is Ready, tap the Away button to arm to away mode, or tap the Stay button to arm to stay mode.
- When the system is Ready, tap the Ready shield to see all arming options. Select desired option to arm to that mode.
- When the system is Not Ready, the system cannot be armed. Secure or bypass unsecure zones.
Note: If the Auto-Bypass attribute is enabled in the Area Details, the area can be armed while in the Not Ready state. Tapping the Not Ready shield will present arming options. All non-secure bypassable zones will be automatically bypassed upon arming.
- When the system is armed, tap the Disarm button, then enter a valid pin to disarm the system
- When the system is armed Stay, tapping the Away button allows the system to change from Stay to Away mode. Tapping the Stay shield will display other arming options. Tap the desired option to arm to that mode.

Emergency Button

The emergency button provide access to four emergency alarm modes.

FIRE - Activates a fire alarm in current area. Configured sounder for area will be activated Alarm reporting will follow system configuration in CS Reporting section of programming.

POLICE - Activates a panic alarm in current area. Configured sounder for area will be activated Alarm reporting will follow system configuration in CS Reporting section of programming.

MEDICAL - Activates a medical alarm in current area. Configured sounder for area will be activated Alarm reporting will follow system configuration in CS Reporting section of programming.

LOCAL - Activates a local siren alarm in current area. Configured sounder for area will be activated. No reporting will occur.

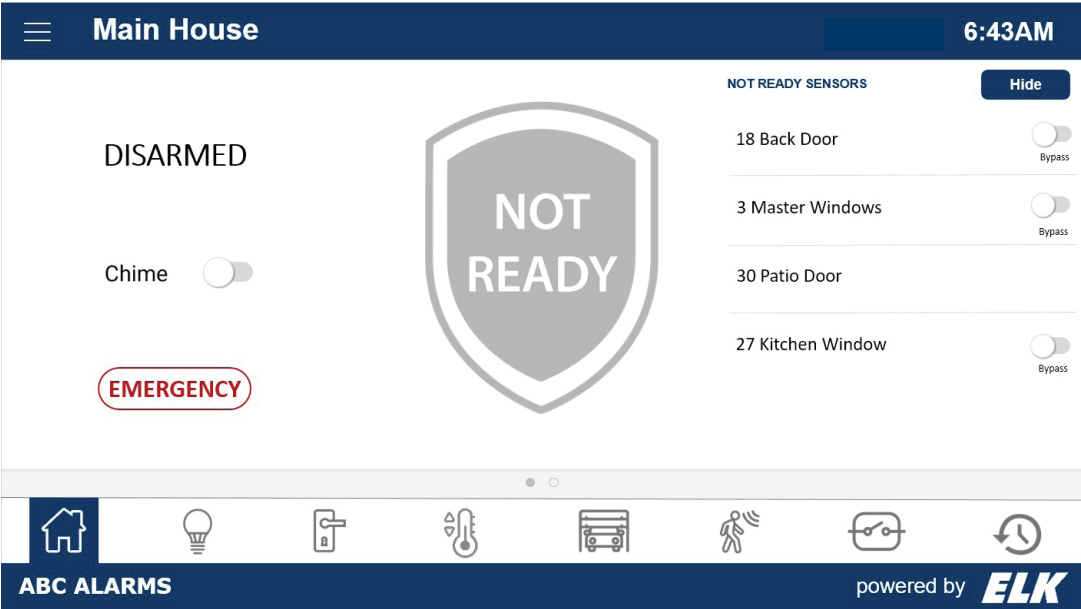
Chime

A Chime toggle/indicator will be displayed in the Area section. Tap the toggle to change the chime mode. When gray, chime mode is off. When green, chime mode is on

Unsecure Sensors

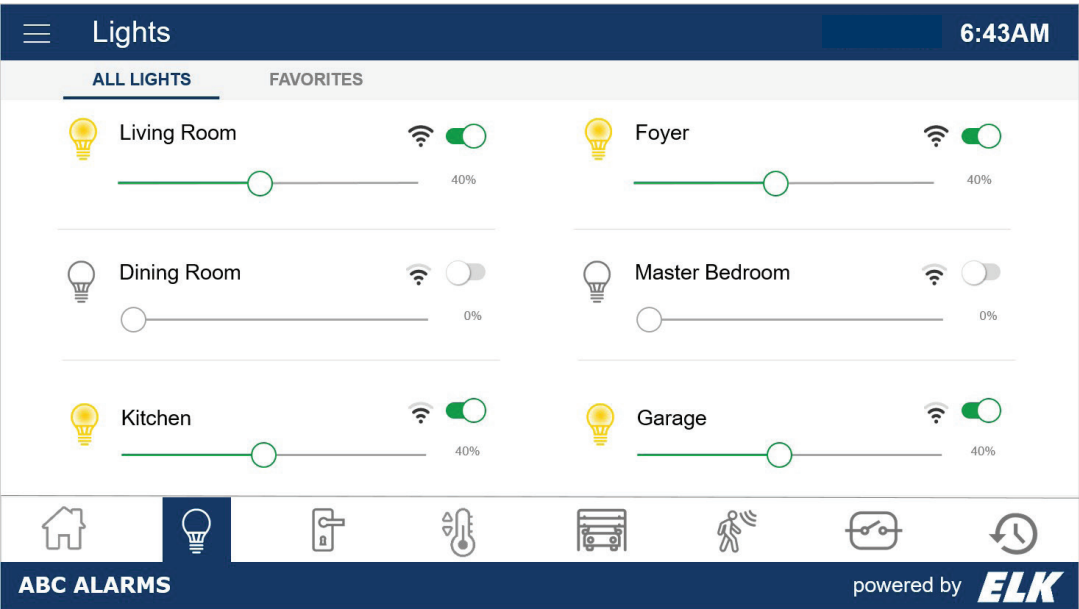
A list of unsecure sensors will be displayed on the right side of the Area section of the home screen. A bypass toggle will be displayed for any sensor that has the Bypassable attribute enabled in Sensor Details.

If Auto-Bypass is enabled for the area, the system can be armed while in the NOT READY state, and unsecure sensor will automatically be bypassed. Use the Hide button in the Unsecure Sensors section to collapse this section to reveal the Away and Stay buttons. Alternately, tap the Not Ready shield to see all arming options.



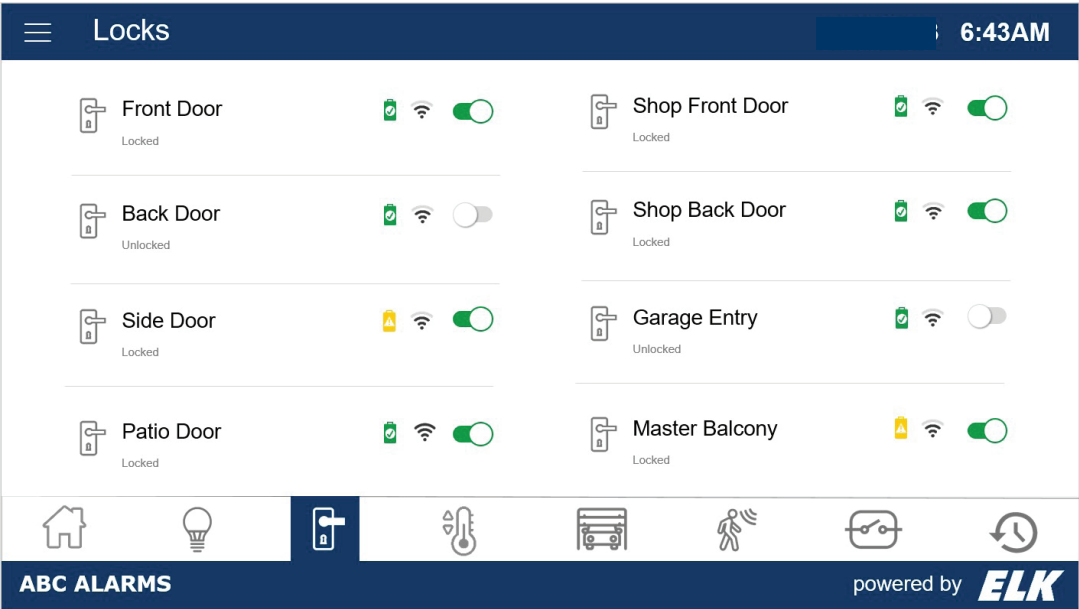
Lights

Displays a list of configured lights, each with a status indicator, and on/off toggle for controlling the light. A dimming slider allows the brightness/dim level of the light to be adjusted. An icon representing signal strength is displayed for each light. Each page displays up to six lights at a time. If the system has more than six lights, additional lights can be accessed by scrolling down.



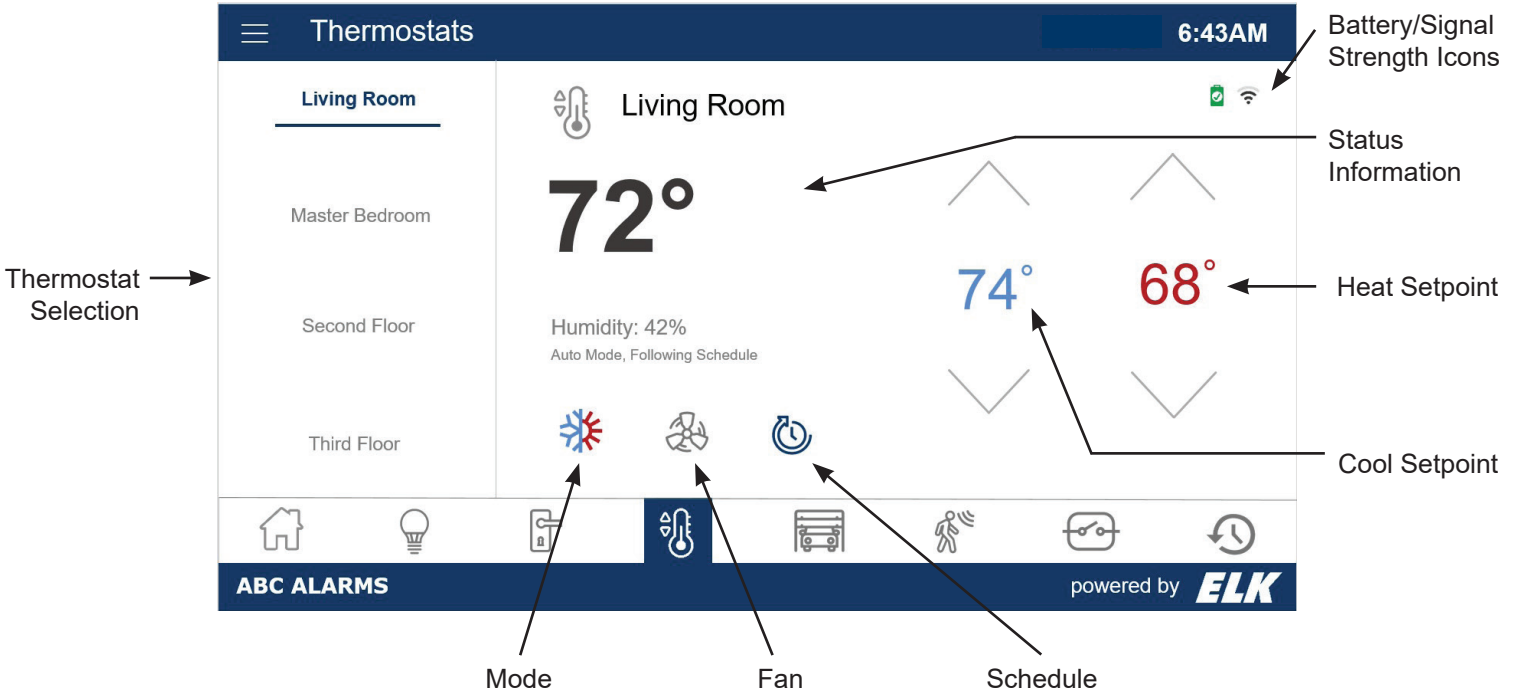
Locks

Displays a list of configured locks, each with a status indicator, and toggle for controlling the lock. Icons representing battery status and signal strength are displayed for each lock. This page displays up to eight locks.



Thermostats

Displays current temperature, setpoints, modes and other data/controls for configured thermostats. Icons representing battery status and signal strength are displayed for each lock. This page displays one thermostat at a time, providing access to up to 4 thermostats.



Thermostat Selection: A list of configured thermostats on the left side of the screen allows additional thermostats to be accessed. Tap the desired thermostat to view the status, settings, and controls for that thermostat. The name of the currently selected thermostat appears in blue.

Status Information: Displays the name, current temperature, relative humidity, and status of the selected thermostat.

Cool Setpoint: Use the up and down arrows to adjust the Cooling setpoint. The current setpoint is displayed in blue between the up and down buttons.

Heat Setpoint: Use the up and down arrows to adjust the Heating setpoint. The current setpoint is displayed in red between the up and down buttons.

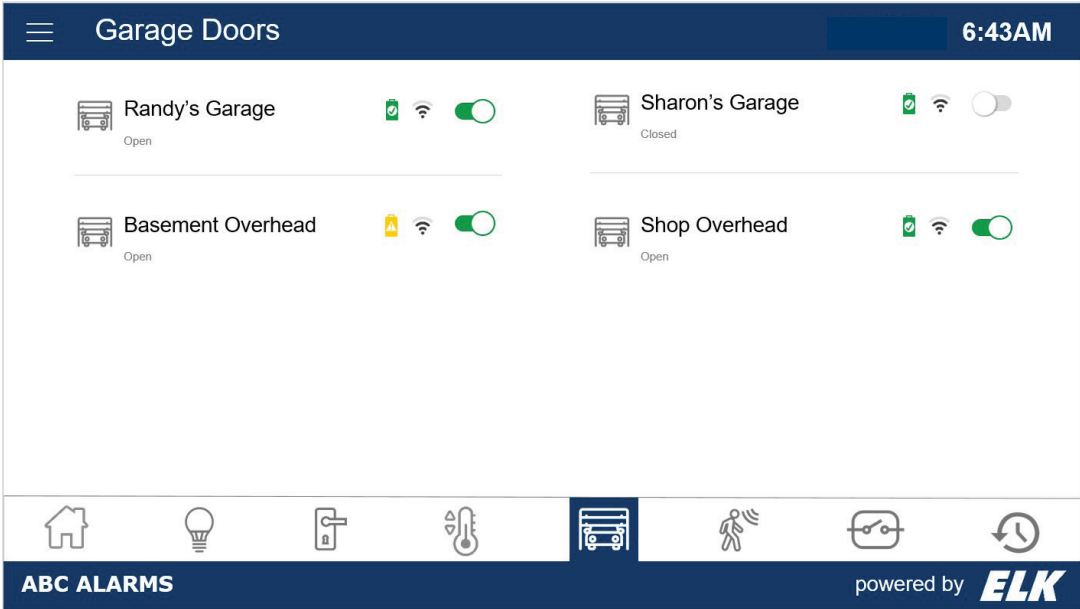
Mode: Indicates the currently selected mode. Tap to change the thermostat mode to off, cool, heat, or auto.

Fan: This button allows the fan setting to be changed to Manual or Auto.

Schedule: FOR FUTURE USE. This feature is not supported not currently supported.

Garage Doors

Displays a list of configured garage doors. There is a status indicator for each garage door, which shows the state based on the garage door tilt sensor, as well as a toggle for controlling the garage door. This page displays up to four garage doors.

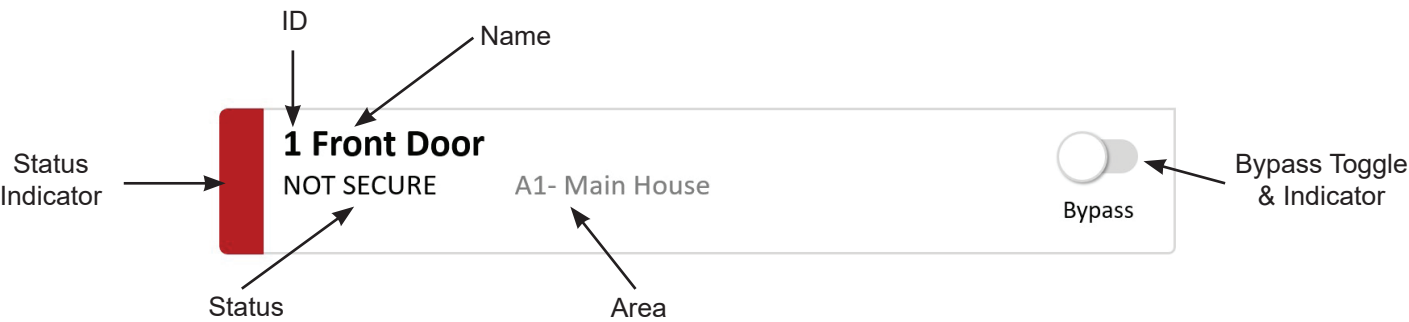
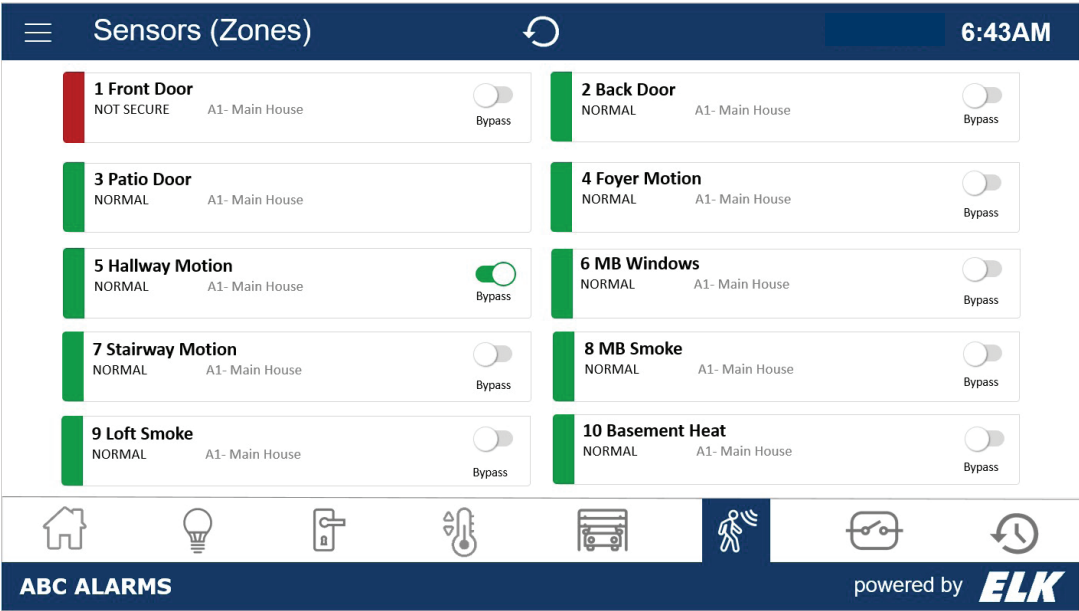


Sensors (Zones)

Displays a list of all sensors (zones) and provides a quick view of information about each sensor (zone), including name, current status and key details about the settings of the sensor (zone).

Each page displays up to eight sensors at a time. If the system has more than eight sensors, additional sensors can be accessed by scrolling down.

To reset SAUX power, tap the ↺ icon. Tap Yes to confirm.



Status Indicator: This colored section provides a visual indicator of the current status of the zone.



Green
READY



Red
NOT READY



Orange
TROUBLE

Bypass Toggle & Indicator: This toggle allows the sensor (zone) bypass state to be changed between bypassed and unbypassed. If the toggle is green, the sensor (zone) is currently bypassed. This toggle/indication will not be present for sensors (zones) that have the Bypassable attribute disabled in the Sensor configuration.

ID: An ID number assigned by the system when the sensor (zone) is created. The system supports up to 128 sensors (zones). When a new sensor (zone) is created, the lowest available ID will be assigned to the area. This ID cannot be changed in programming.

Area: Displays the area to which the sensor is assigned.

Outputs


Displays a list of configured outputs, each with a status indicator, and on/off toggle for controlling the output. Output devices include hardwired outputs and relays from the mainboard and expanders, as well as Z-Wave output devices. Icons representing signal strength are displayed for Z-Wave devices. This page displays up to eight outputs. If the system has more than eight outputs, additional outputs can be accessed by scrolling down.


Outputs


6:43AM


ALL OUTPUTS


FAVORITES


 Front Sprinklers





 Back Sprinklers





 Sky Lights





 Water Heater





 Living Rm Blinds





 Water Shutoff





 Patio Light Switch














 Shop Light Switch







ABC ALARMS

powered by 

History

Displays a list of system events with the date and time of each event. The newest events appear at the top of the list. Scroll down the list to see older events. The History log holds approximately 500 events.

History

6:43AM

MAR 15
2:37:32 PM

River House DISARMED by Master User

MAR 15
1:26:00 PM

River House ARMED AWAY by Master User

MAR 15
11:30:21 AM

Periodic Test Passed on IP

MAR 14
2:45:00 PM

Installer Logged Out

MAR 14
2:37:00 PM

SYSTEM CONFIG modified by Installer

MAR 15
2:39:00 PM

Installer Logged In

MAR 14
4:17:00 PM









River House DISARMED by Master User

MAR 13
8:09:00 AM


River House ARMED STAY by Master User

MAR 13
8:08:00 AM

Master Window BYPASSED by Master User

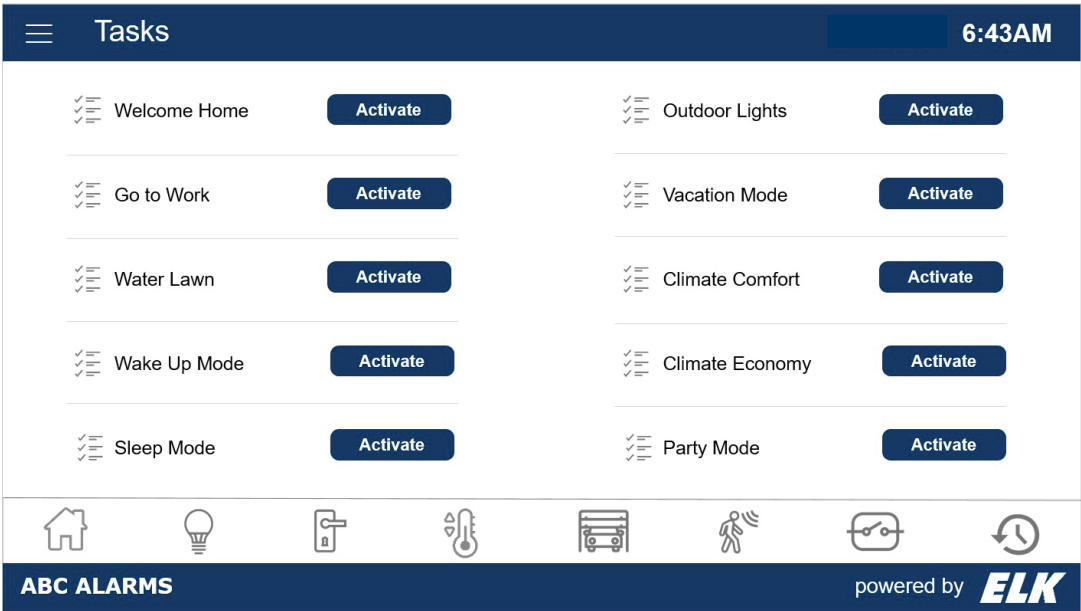


ABC ALARMS

powered by 

Tasks

Displays a list of configured tasks, each with an activate button for activating the task. This page displays up to ten tasks. If the system has more than ten tasks, additional tasks can be accessed by scrolling down.



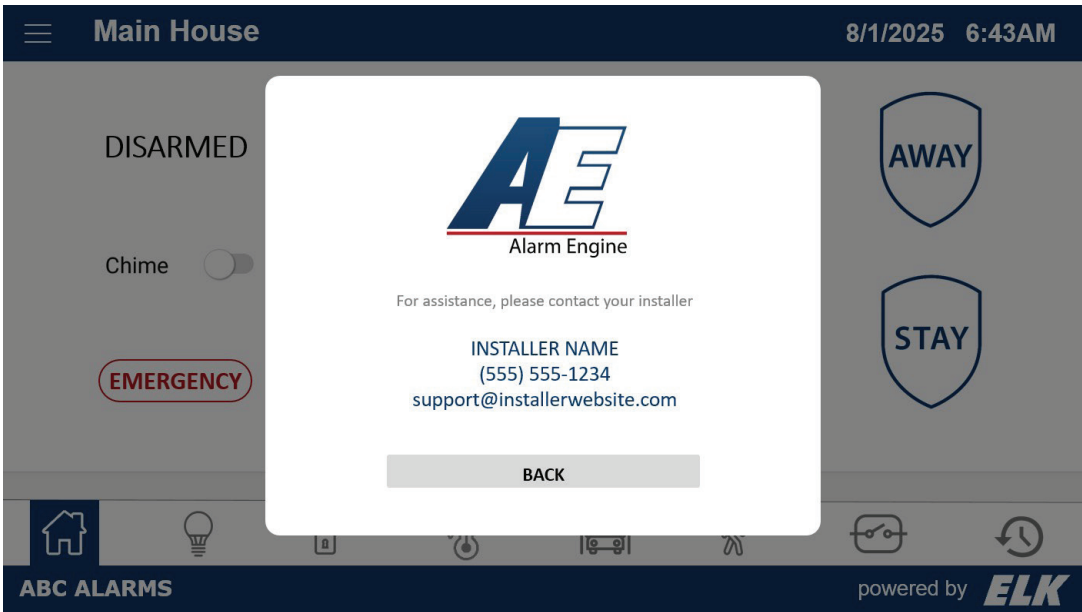
About

Displays software version information and the touchscreen serial number.



Installer Info

Displays installer name, telephone number, and email address.



Regulatory Statements

FCC AND IC COMPLIANCE STATEMENT:

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

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful 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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- This device may not cause interference.
- This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- L'appareil ne doit pas produire de brouillage;
- L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with ISEC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must be installed to provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter except those approved for co-location with this device according to multi-transmitter guidelines.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISEC RSS-102 établies pour un environnement non contrôlé. Cet émetteur doit être installé pour fournir une distance de séparation d'au moins 20 cm de toutes les personnes et ne doit pas être co-localisé ou fonctionner en conjonction avec une autre antenne ou émetteur à l'exception de ceux approuvés pour la colocalisation avec cet appareil conformément aux directives multi-émetteurs.

CAN ICES-3 (B)/NMB-3(B)

ELK-7TS 7" Color Touchscreen for Alarm Engine & M1 Controls
FCC ID: TMA-ELK7TS IC: 4353A-ELK7TS

E27 Alarm Engine Limited Warranty

The ELK-E27 and its associated component products are warranted by Elk Products, Inc. ("Manufacturer") against defects in material and workmanship for a period of two (2) years from the date of manufacture. If product is found to be defective during the first 180 days, manufacturer may allow an over the counter exchange, subject to inspection and approval by one of its representatives. Manufacturer's obligations under this Limited Warranty shall be limited to repairing or replacing, at its option, free of charge, during this warranty period, any product returned to Manufacturer freight prepaid. After the expiration of the warranty period, product will be repaired based on a fixed charge per device.

Manufacturer shall have no obligation under this Limited Warranty or otherwise if (1) the Product has been damaged by negligence, accident, mishandling, lightning or flood, or other Acts of God, (2) the Product has not been operated in accordance with its operating instructions, (3) the Product has been altered or repaired by anyone outside Manufacturer's authorized facilities (4) adaptations or accessories have been made or attached to the Product which, in Manufacturer's sole determination, have adversely affected its performance, safety or reliability.

If a Product should malfunction or fail during its warranty period, contact ELK or one of its authorized distributors for a Return Authorization (RMA) number. Returned Products must include a complete description of the problem, along with the RA number clearly marked on outside of the package. Manufacturer will not be responsible for any unnecessary items included with any returned Product.

THIS WARRANTY IS THE EXCLUSIVE WARRANTY FOR ANY PRODUCT. MANUFACTURER SPECIFICALLY DISCLAIMS ANY AND ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR OF MERCHANTABILITY. MANUFACTURER SHALL NOT BE LIABLE IN TORT, INCLUDING NEGLIGENCE OR STRICT LIABILITY, AND SHALL HAVE NO LIABILITY AT ALL FOR INJURY TO PERSONS OR PROPERTY.

MANUFACTURER'S LIABILITY FOR FAILURE TO FULFILL ITS OBLIGATION UNDER THIS LIMITED WARRANTY OR ANY OTHER LIABILITY IN CONNECTION WITH A PRODUCT SHALL BE LIMITED TO THE AMOUNT OF THE PURCHASE PRICE RECEIVED BY MANUFACTURER FOR THE PRODUCT. THE REMEDIES STATED IN THIS LIMITED WARRANTY ARE THE CUSTOMER'S EXCLUSIVE REMEDIES AGAINST MANUFACTURER REGARDING ANY PRODUCT. UNDER NO CIRCUMSTANCES SHALL MANUFACTURER BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING LOST PROFITS AND REVENUES, INCONVENIENCE OR INTERRUPTIONS IN OPERATIONS, OR ANY OTHER COMMERCIAL OR ECONOMIC LOSSES OF ANY KIND. THESE LIMITATIONS AND DISCLAIMERS ARE NOT MADE BY MANUFACTURER WHERE PROHIBITED BY LAW. SOME STATES PROHIBIT LIMITATIONS OF WARRANTIES AND THE CUSTOMER MAY HAVE ADDITIONAL RIGHTS IN THOSE STATES.



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