

Configuring the WaveLinX Touchscreen

The WaveLinX Touchscreen connects to the WaveLinX Area Controller (WAC) through the building LAN. Both devices (touchscreen and WaveLinX Area Controller) must reside within the same network. Each touchscreen requires an IP address (either through DHCP or static assignment) and the use of a **tenant** or personal user account.

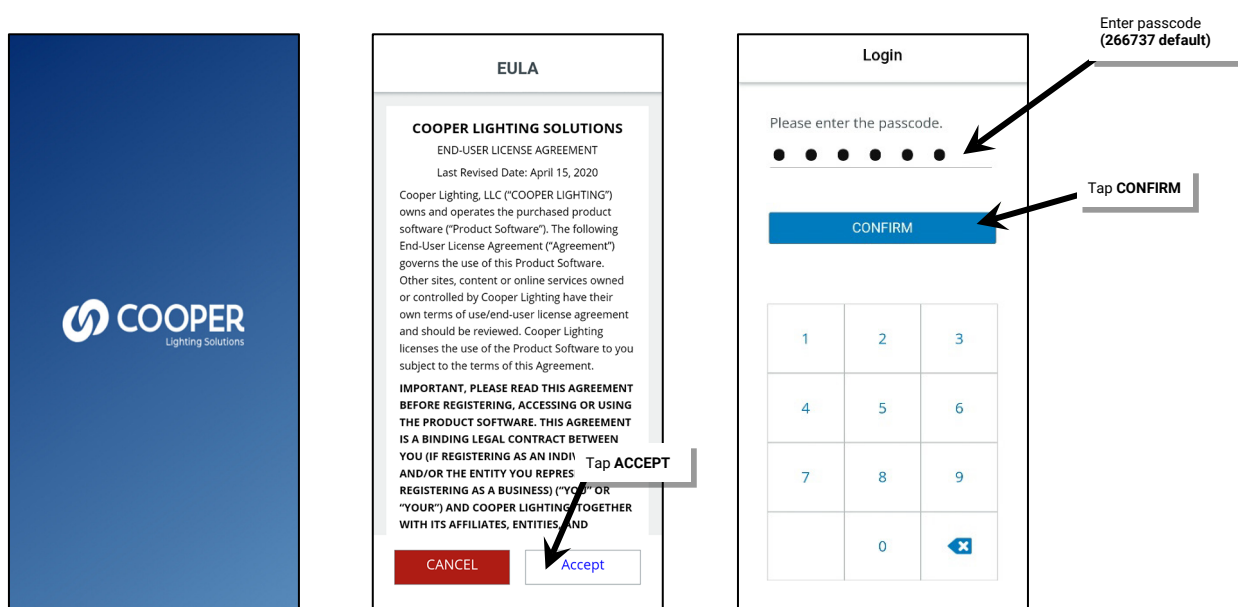
The WaveLinX Touchscreen should have the recommended minimum software version 1.6.0 for successful connection to a WaveLinX Area Controller with the latest firmware. For Touchscreens with version 1.0.x firmware, contact technical support for guidance. Version 1.0.x will not connect successfully without an update.³⁷⁷

Once the touchscreen connects to and logs in to the WaveLinX Area Controller, the areas, scenes/presets, and zones programmed into that WaveLinX Area Controller will display. Customize the touchscreen to limit the display to specific areas, to automatically load a favorite area, and to limit the display of presets/scenes. Adjust display brightness, auto-dim timing, change the default language (Spanish, English, and French), update the touchscreen passcode, and factory reset the touchscreen using the onboard touchscreen controls.

Getting Started: Configuring the Touchscreen for Initial Use

In this section, learn how to make the communications connection between the touchscreen and the WaveLinX Area Controller. This section assumes that the touchscreen is still in its default configuration.

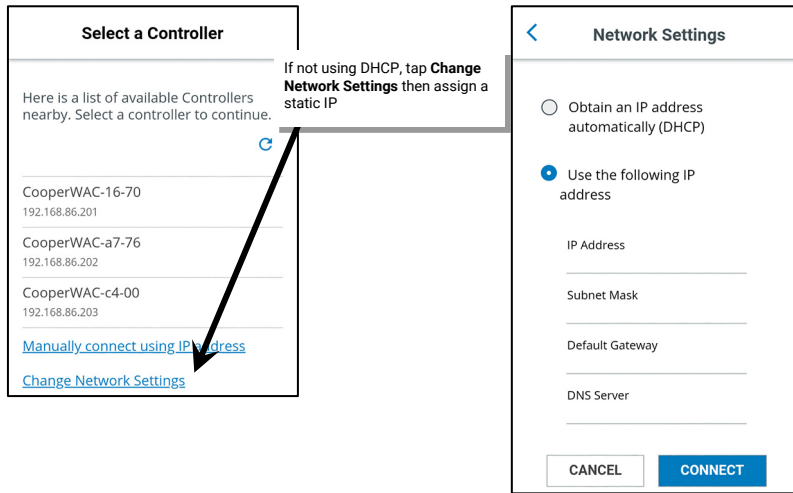
- 1: Before connecting the touchscreen to the network, set up the required **tenant** user account that the touchscreen will use. If there are multiple touchscreens at the facility, each touchscreen will require a unique user account. See "Adding a New User Account" on page 341 for these instructions.
- 2: Connect the touchscreen to the building LAN. The touchscreen must be installed in the same network as the WaveLinX Area Controller and requires a PoE connection.
- 3: Once power is applied, the touchscreen will briefly display a blue screen and then display the End User License Agreement. Tap **ACCEPT** to agree to the conditions and proceed. When prompted to login, enter the default passcode **266737**⁽³⁷⁸⁾ and then tap the **CONFIRM** button.



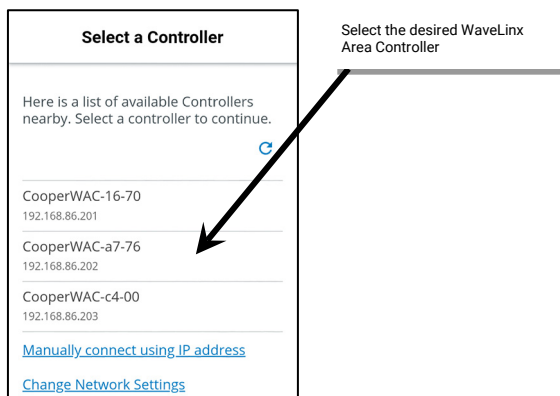
³⁷⁷ To determine touchscreen version, enter the passcode to open the touchscreen but do not login the touchscreen to a WaveLinX Area Controller. The version will display at the bottom of the **Select a Controller** screen.

³⁷⁸ For security, it is recommended that default passcode be changed once the initial touchscreen configuration is complete. Refer to "Changing the Administrator Passcode" on page 334 for step-by-step instructions. In previous touchscreen versions, the default passcode was 328661.

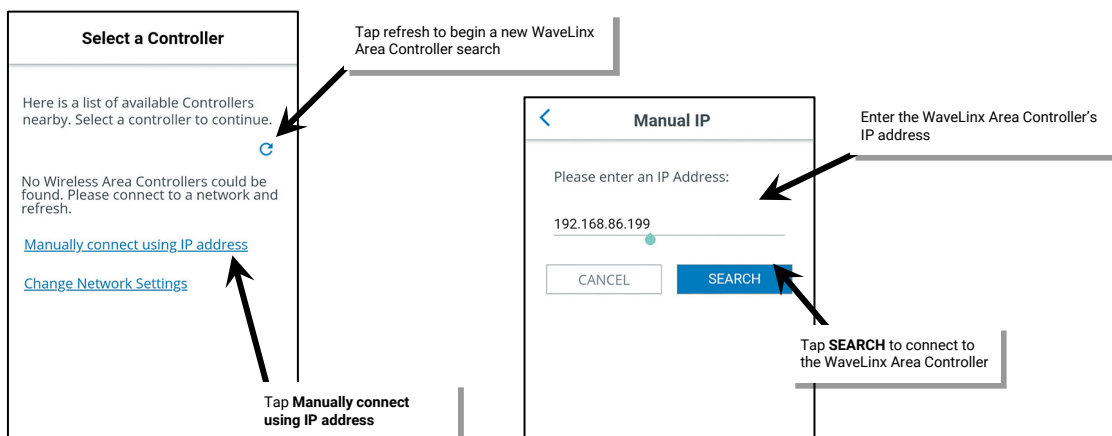
- 4: The touchscreen defaults to using DHCP to obtain its IP address. If the site is using DHCP, no further IP configuration is necessary. For sites that require a statically assigned IP, select the **Change Network Settings** option, and then select the option to **Use the Following IP Address**. Type in the requested information.



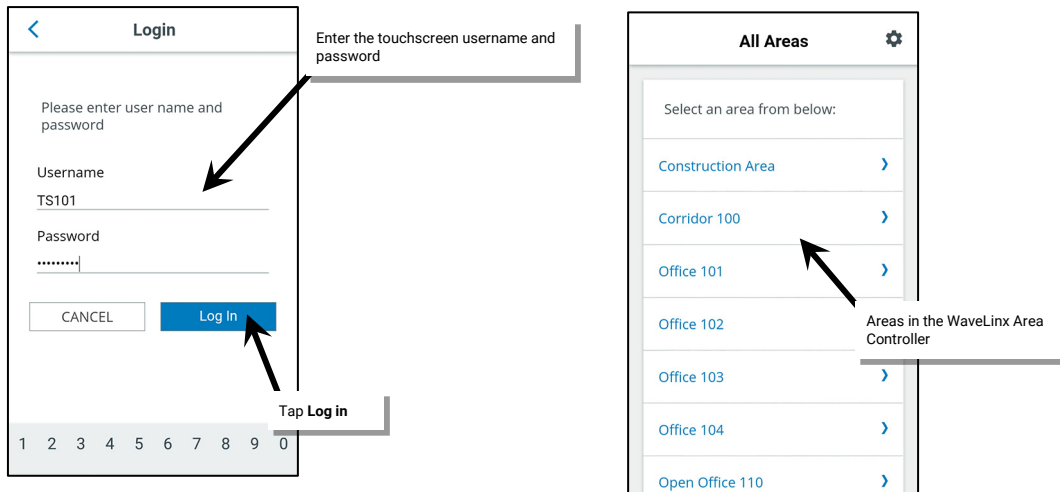
- 5: Once it has an IP address, the touchscreen will search for and then display any WaveLinX Area Controllers that it has found on the network. If the site has more than one WaveLinX Area Controller, multiple WaveLinX Area Controllers may be listed. Select the WaveLinX Area Controller that is programmed for the area(s) that the touchscreen should operate.



If no WaveLinX Area Controllers are found, touch the refresh button to begin the search again. If the touchscreen still does not find the WaveLinX Area Controller, select the option to **Manually Connect Using an IP Address**, and then type in the WaveLinX Area Controller's IP address. Tap the **SEARCH** button to connect to the WaveLinX Area Controller.



6: In the displayed **Login** screen, enter the username and password created for the touchscreen, and then select the **Login** button. Once connected, the touchscreen will display the areas that have been programmed in the WaveLinX Area Controller.



WARNING: Do not log in using an **admin** role password. Only one administrator user may be logged into the system at a time.

The touchscreen can now be used to control lighting in the defined areas. For information on using the touchscreen, refer to “Using the Touchscreen Controls” on page 328.

Configuring the Area(s) that the Touchscreen Displays

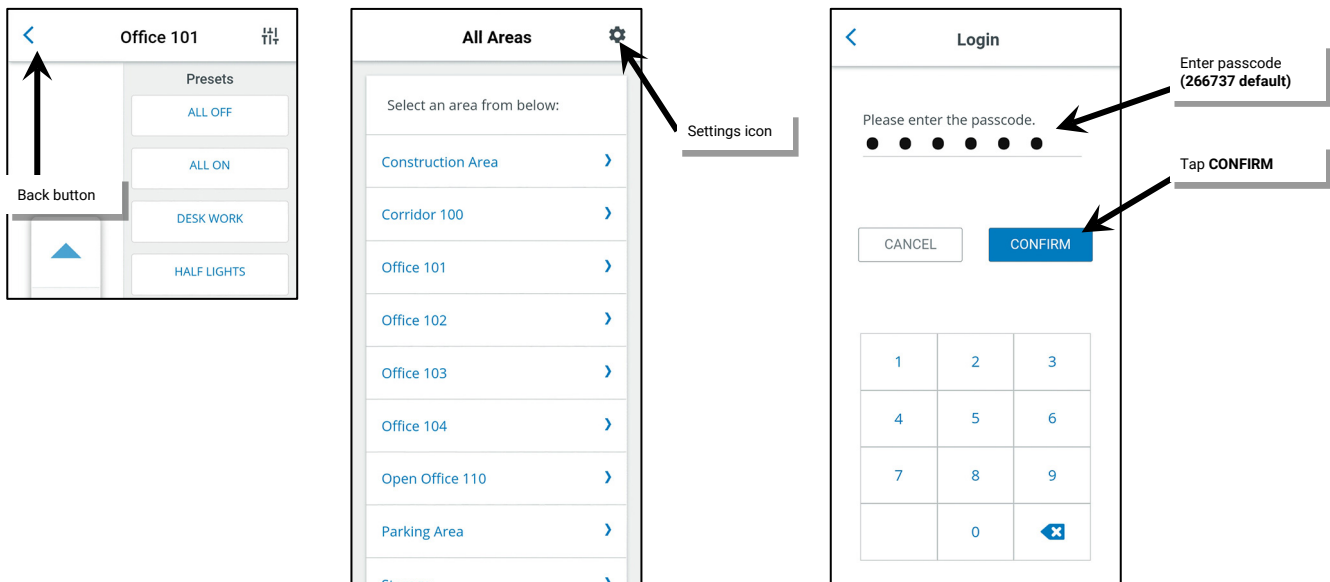
Once the connection between the Touchscreen and the WaveLinX Area Controller is made, the touchscreen will display all areas that are programmed into the connected WaveLinX Area Controller. It is possible to limit the touchscreen to display a specific area, multiple selected areas, and default to opening a favorite area.

This section assumes that the connection has been successfully made between the WaveLinX Area Controller and the touchscreen. It also assumes that the touchscreen is still using the default passcode.

If the touchscreen is displaying an area’s preset page, touch the back button until the **All Areas** screen is displayed.

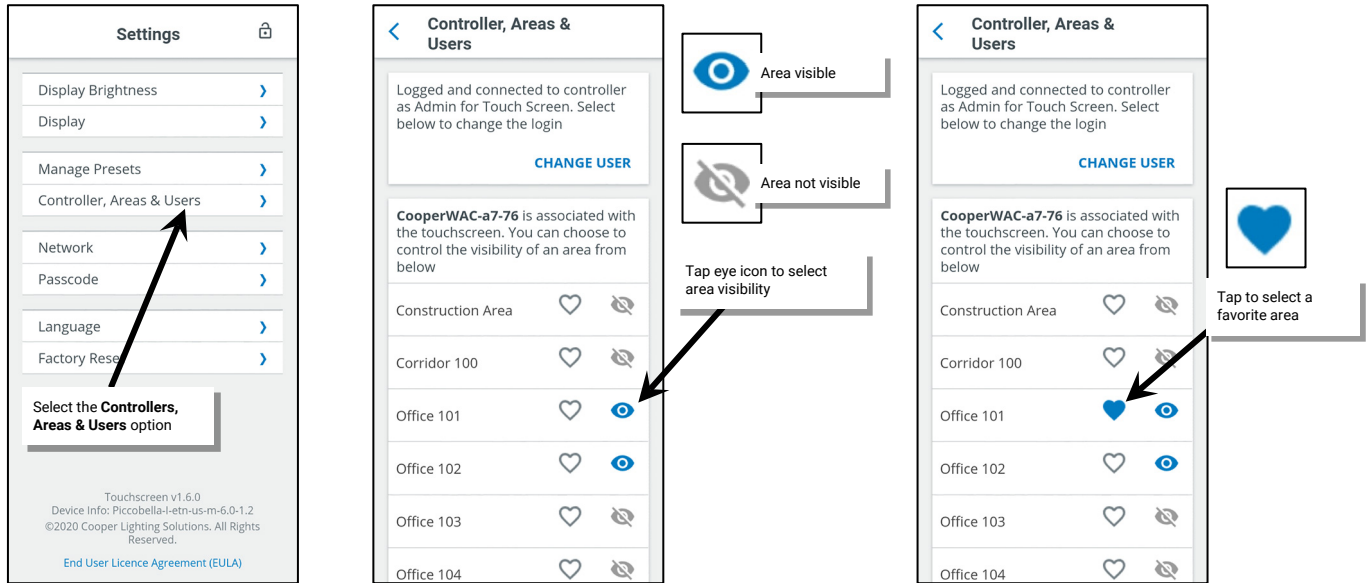
1: From the **All Areas** screen, select the settings gear icon

2: Enter the touchscreen passcode, then tap **CONFIRM**. The default passcode is 266737 ⁽³⁷⁹⁾.

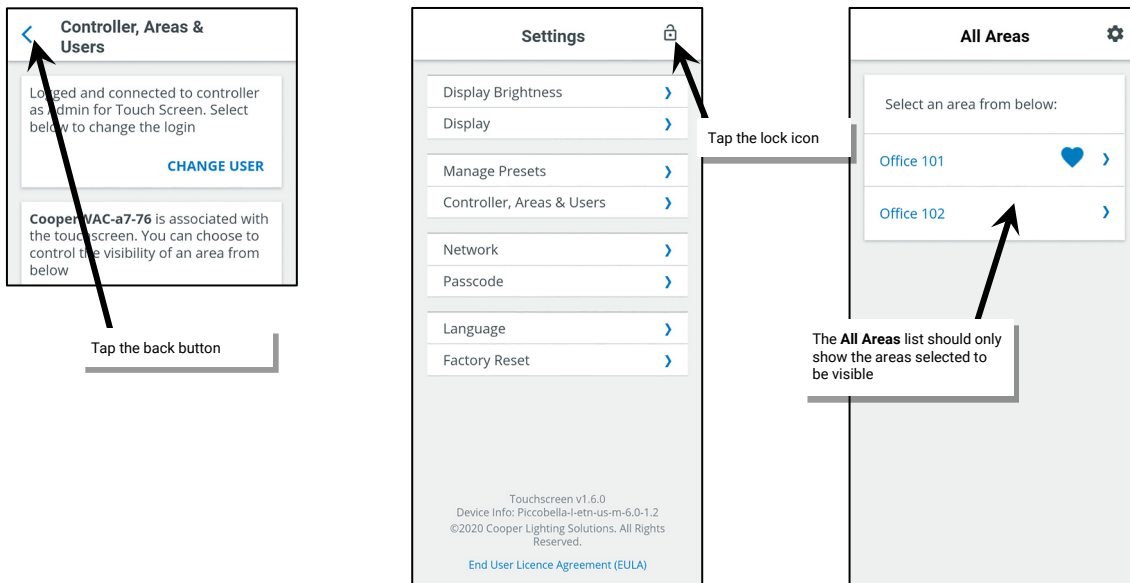


³⁷⁹ For security, it is recommended that default passcode be changed once the initial touchscreen configuration is complete. Refer to “Changing the Administrator Passcode” on page 334 for step-by-step instructions. In previous touchscreen versions, the default passcode was 328661.

- 3: In the **Settings** screen, tap the **Controllers, Areas & Users** option.
- 4: Turn on or off the visibility of the areas displayed by tapping on the eye icon next to each area. The area will be visible if the icon is dark blue. Hide the area by tapping on the icon. The icon will turn gray. Touch and drag the display up or down to access areas beyond the current screen view.
- 5: Select a favorite area by selecting the heart icon next to the desired area. After a power up or restart, the touchscreen will automatically reboot to display the controls of the favorite area.



- 6: Tap the back button to exit and save the changes, and then tap the lock icon to exit the settings screen. The touchscreen should now show only the visible areas in the **All Areas** display.



The touchscreen can now be used to control lighting in the defined areas. For information on the screen controls, refer to "Using the Touchscreen Controls" on page 328.

Note that partitioned areas will allow control from the Touchscreen with limited functionality. Commands from a Touchscreen to scenes and zones in a partitioned area will control lighting in the entire area regardless of partition wall open or close status.

Quick Links for Common Questions

- How do I change the area name(s) that is displayed? The area names are stored in the WaveLinx Area Controller. For information on changing an area name, see "Renaming Standard Areas, Zones, and Devices" on page 199.

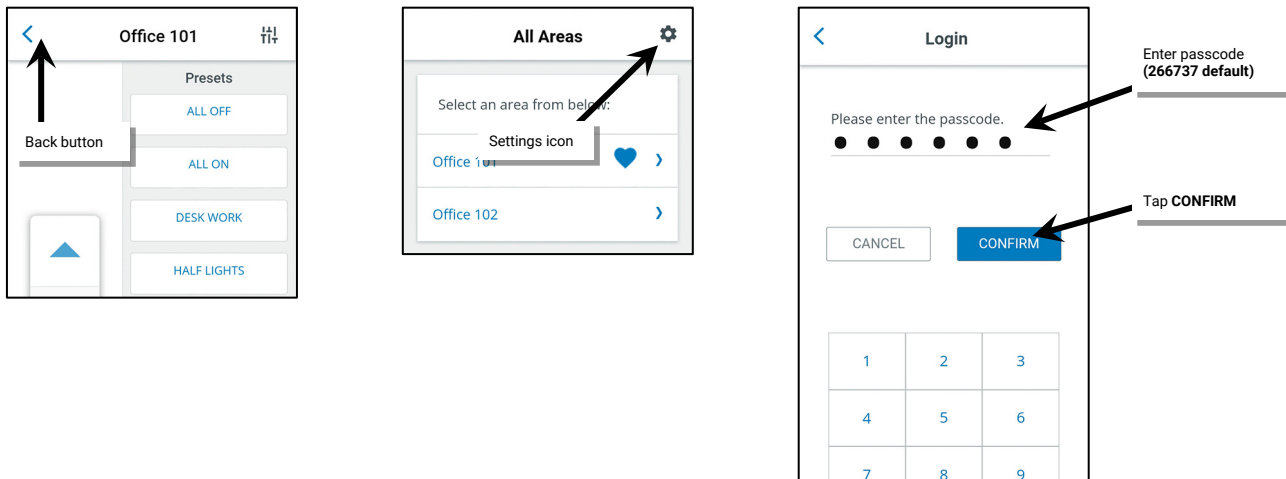
Selecting the Presets/Scenes that the Touchscreen Displays

The touchscreen defaults to displaying all presets/scenes except for scenes that have been hidden through the WaveLinX App. It is possible to limit the touchscreen further to display only specific presets/scenes.

This section assumes that the connection has been successfully made between the WaveLinX Area Controller and the touchscreen. It also assumes that the touchscreen is still using the default passcode.

If the touchscreen is displaying an area's preset page, touch the back button until the **All Areas** screen is displayed.

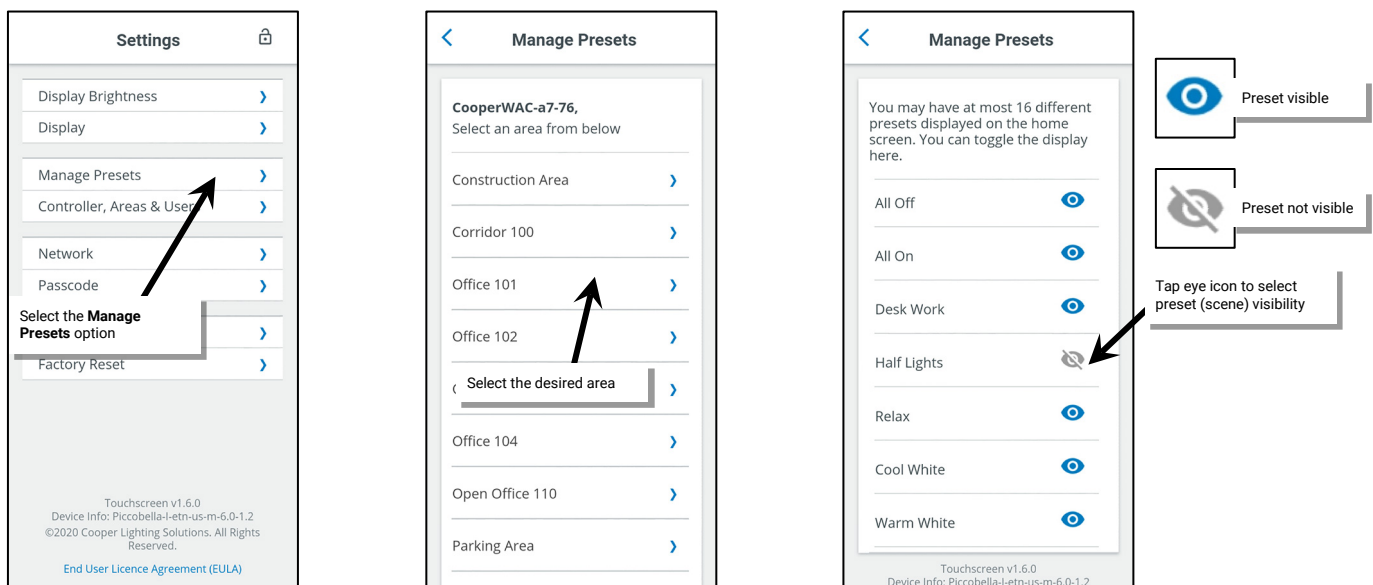
- 1: From the **All Areas** screen, select the settings gear icon.
- 2: Enter the touchscreen passcode, then tap **CONFIRM**. The default passcode is 266737 ⁽³⁸⁰⁾.



- 3: In the **Settings** screen, tap the **Manage Presets** option.

- 4: Select the desired area.

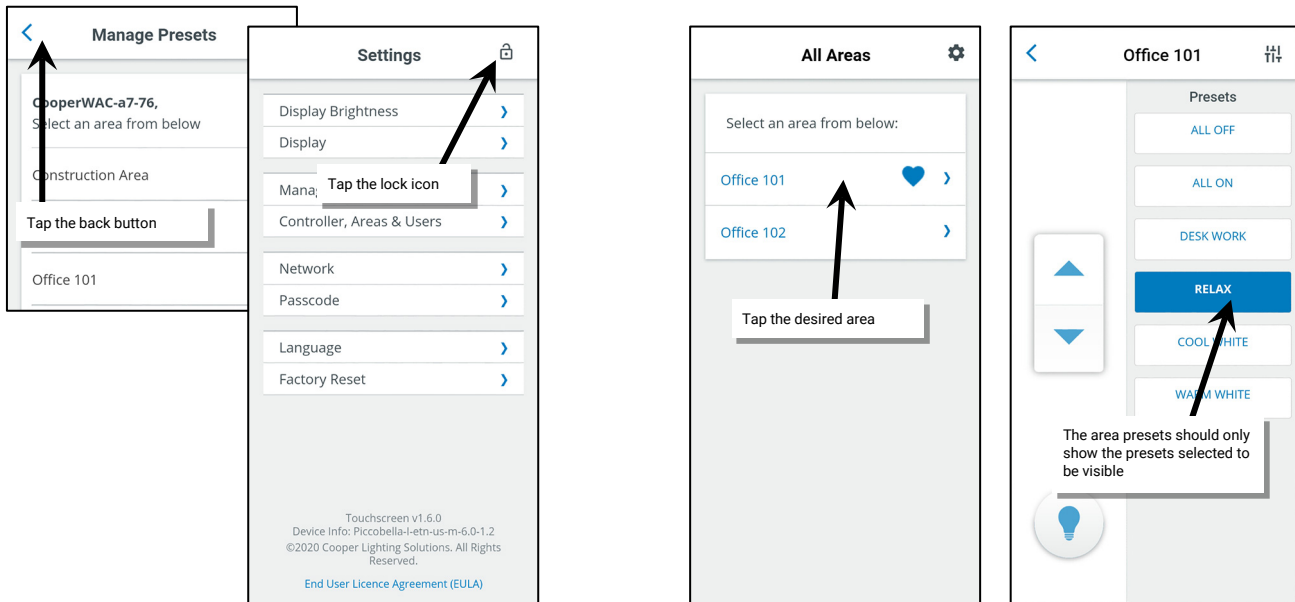
- 5: Turn on or off the visibility of the presets/scenes by tapping on the eye icon next to the presets. The preset/scene will be visible if the icon is dark blue. Hide a preset/scene by tapping on the icon until it changes to gray. Set visible scenes to the dark blue eye icon. Define a preset as hidden by tapping on the eye icon. The icon will turn gray. Touch and drag the display up or down to access presets/scenes beyond the current screen view.



³⁸⁰ For security, it is recommended that default passcode be changed once the initial touchscreen configuration is complete. Refer to "Changing the Administrator Passcode" on page 334 for step-by-step instructions. In previous touchscreen versions, the default passcode was 328661.

6: Tap the back button to exit and save the changes, and then tap the lock icon to exit the settings screen.

7: Tap the area from the **All Areas** list and view the controls. Only the presets that have been defined as visible will show.



The touchscreen can now be used to control lighting in the defined areas. For information on the screen controls, refer to “Using the Touchscreen Controls” on page 328.

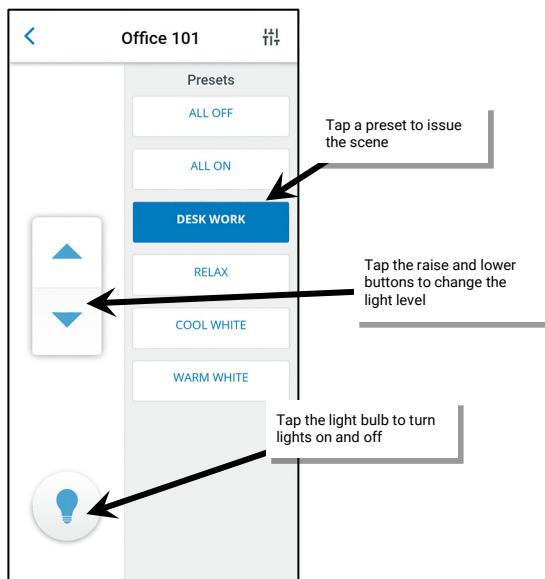
Note that partitioned areas will allow control from the Touchscreen with limited functionality. Commands from a Touchscreen to scenes and zones in a partitioned area will control lighting in the entire area regardless of partition wall open or close status.

Quick Links for Common Questions

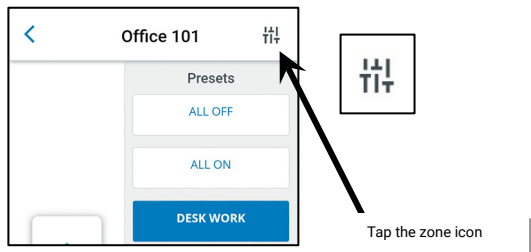
- How do I change the preset name(s) that is displayed? The preset or scene name is defined and stored in the WaveLinX Area Controller. For information on changing a scene name, see “Modifying Scene Settings and Response” on page 222.
- Not all my scenes are appearing on my touchscreen display. I have checked the visibility through the touchscreen and the scenes simply do not show. What could cause this? The scene may be defined as a hidden scene through the programming stored in the WaveLinX Area Controller. For information on how to hide or unhide scenes, see “Modifying Scene Settings and Response” on page 222.

Using the Touchscreen Controls

Once the touchscreen is configured for the desired area and presets, use the onboard controls to adjust the lighting to the desired level.



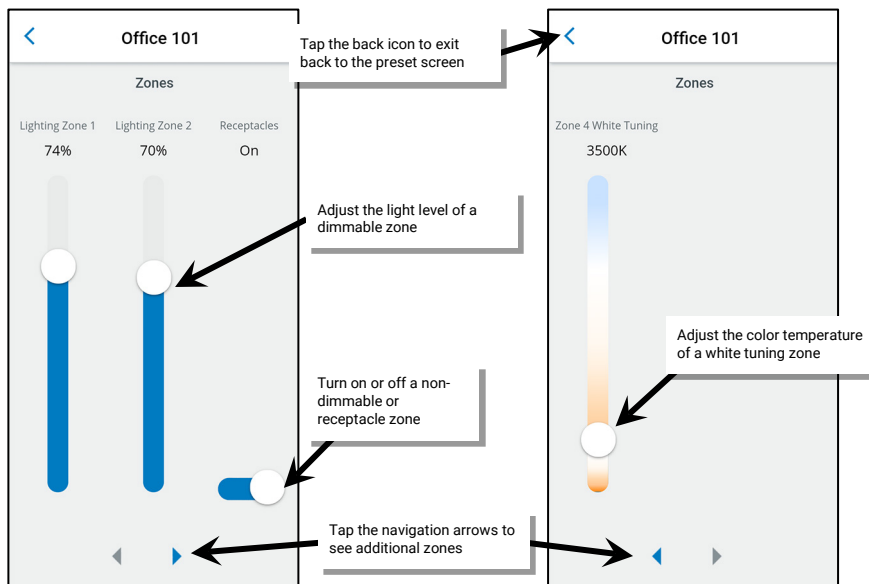
- In the main area control screen, tap one of the presets select a scene.
- Tap the raise or lower button on the sidebar to increment or decrease the light level by 1% increments or press and hold the raise or lower button to change the light level at a more rapid rate.
- Quickly turn ON or turn OFF lighting in the area by tapping the light bulb icon in the sidebar. This will toggle between the ALL OFF scene (scene 0), and scene 1.



It is also possible to adjust individual zone light levels or white tuning color temperature. To access the zone adjustments, tap the zone level icon at the top of the area presets screen.

The zone adjustment screen will allow control of any zone that is part of the area.

- Use the slider control for a dimmable zone to adjust the light level.
- Use the ON/OFF control for non-dimmable and receptacle zones to turn the load ON or OFF.
- Use the slider control for white tunable zones to adjust the color temperature.
- Use the provided navigation arrows at the bottom of the screen to navigate to additional zones.
- Use the back button to return to the area presets display.



Note that partitioned areas will allow control from the Touchscreen with limited functionality. Commands from a Touchscreen to scenes and zones in a partitioned area will control lighting in the entire area regardless of partition wall open or close status.

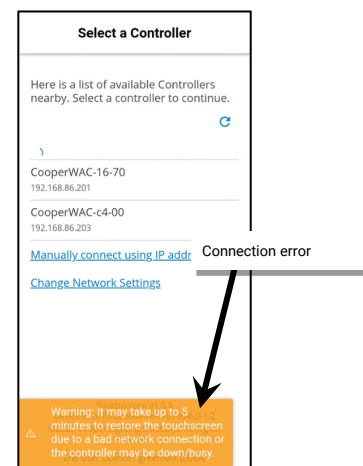
Important Connection Error Resolution and Power Up Details

Under normal conditions, the touchscreen will maintain the connection to the WaveLinX Area Controller it has been connected to. If the connection to the WaveLinX Area Controller is lost or the touchscreen goes through a power cycle, the touchscreen should exhibit the following behavior:

Lost Connection to the WaveLinX Area Controller

Communications from the touchscreen to the WaveLinX Area Controller can be interrupted if the WaveLinX Area Controller is powered down or in a reboot process, or if there are issues with the network. In these circumstances, the touchscreen may display the following message and be redirected to the WaveLinX Area Controller selection screen.

The touchscreen will continue to try to connect to the WaveLinX Area Controller. If it is a temporary issue caused by the WaveLinX Area Controller being powered down or rebooting, the touchscreen will automatically reconnect and login once the WaveLinX Area Controller has completed the reboot process. If the problem is due to a network issue, it may be necessary to troubleshoot the network or review the defined IP addresses to verify that there is no conflict before the problem is resolved.



Touchscreen Power Up Behavior

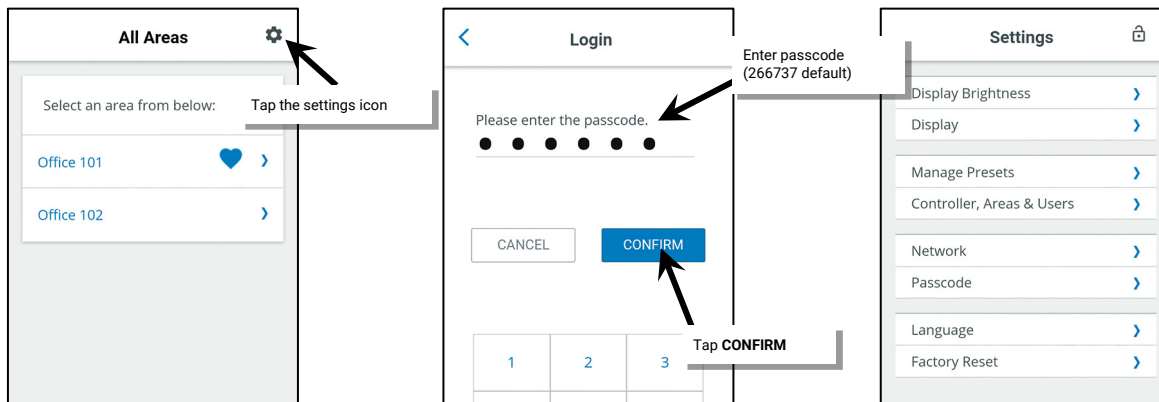
If a touchscreen has been powered down, once power is restored, the touchscreen boots and attempts to reconnect to the previously connected WaveLinX Area Controller. Once the connection is made, the touchscreen will login with the previously defined user credentials and then will display either the **All Areas** list or the preset page of the favorite area if a favorite area has been defined.

Performing Other Touchscreen Administrator Functions

The touchscreen also allows for administration of other general settings. This includes:

- Changing the logged in touchscreen user or connected WaveLinX Area Controller
- Adjusting the display brightness and auto-dim timing settings
- Viewing the touchscreen's IP address
- Changing the administrator passcode
- Changing the display language
- Viewing the End User License Agreement (EULA)
- Performing a factory reset

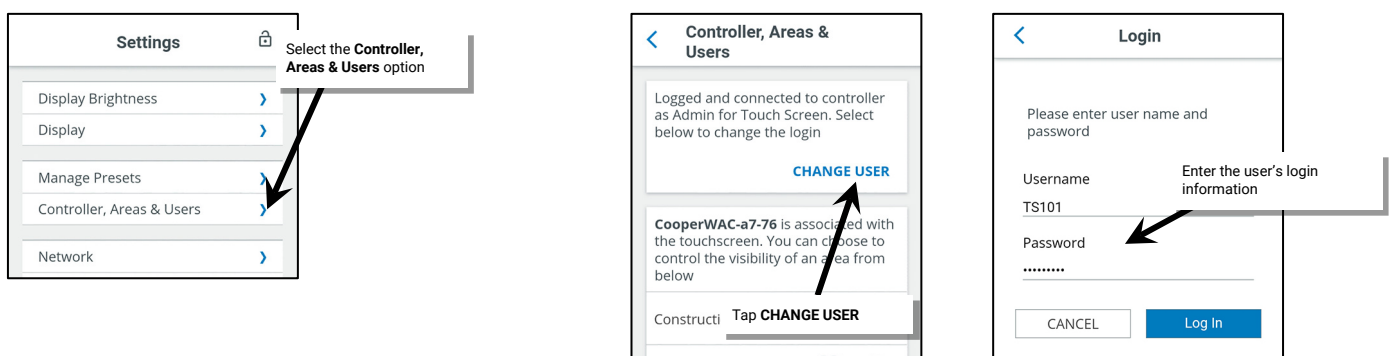
All these options are found in the touchscreen **Settings** screen. Navigate to the **Settings** screen by tapping the settings gear icon in the **All Areas** screen and then entering the touchscreen passcode. The default passcode is 266737 ⁽³⁸¹⁾.



Changing the Touchscreen User or WaveLinX Area Controller

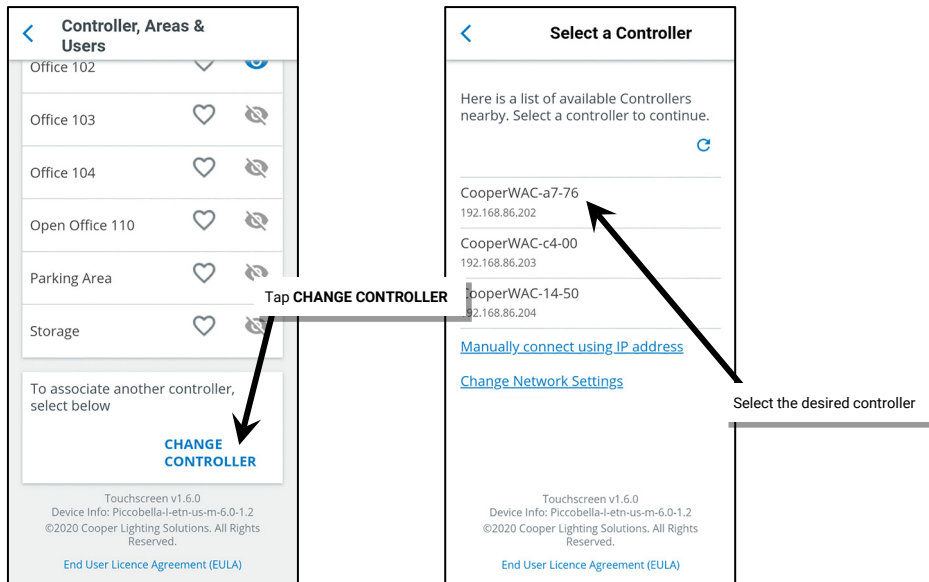
If the incorrect user account has been used to login to the touchscreen, it is possible to change users. It is also possible to select a different WaveLinX Area Controller if the incorrect WaveLinX Area Controller has been accessed. To change the user or WaveLinX Area Controller:

- 1: From the **Settings** screen, select the **Controllers, Areas & Users** option.
- 2: To login as a different user account, at the top of the screen, select the option to **CHANGE USER** and then login with the desired user's credentials.



³⁸¹ For security, it is recommended that default passcode be changed once the initial touchscreen configuration is complete. Refer to "Changing the Administrator Passcode" on page 334 for step-by-step instructions. In previous touchscreen versions, the default passcode was 328661.

3: To connect to a different WaveLinX Area Controller, scroll to the bottom of the display and select the option to **CHANGE CONTROLLER**. Select the correct WaveLinX Area Controller from the list.

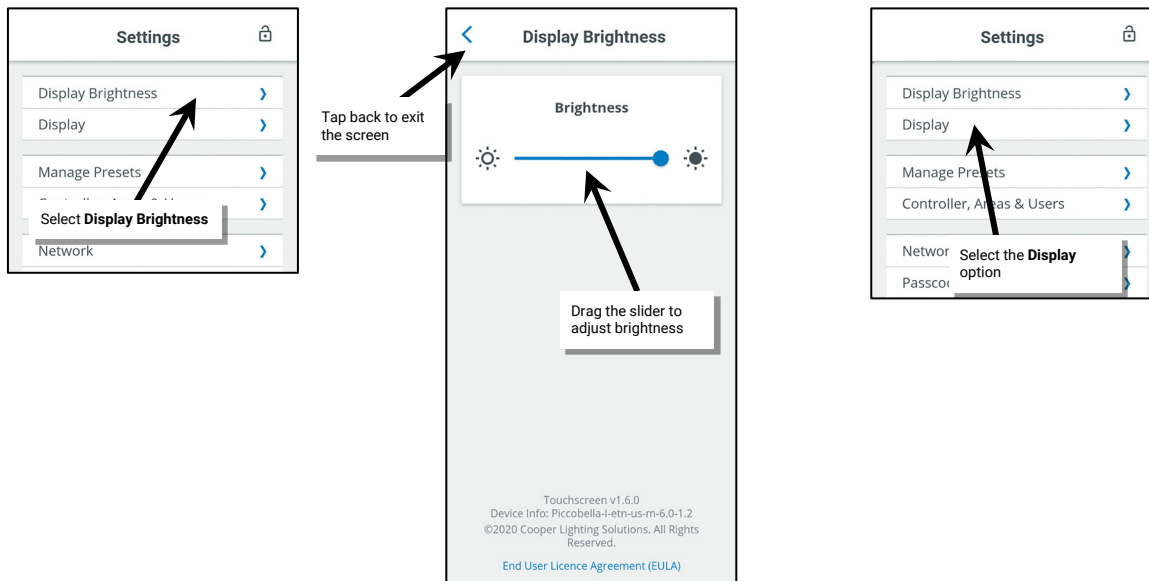


Adjusting the Preferred Display Brightness and Auto-dim Timing

The touchscreen allows selection of a preferred brightness level for when the screen is in use. If no activity occurs during an initial user defined time-out period, the touchscreen will automatically dim to 50% of the preferred brightness level. If there is no activity for 10 minutes, the touchscreen will automatically dim to 20% of the preferred brightness level. At any time, if the touchscreen registers a touch, the touchscreen will immediately return to the preferred brightness level.

To adjust the preferred brightness level and the initial auto-dim time-out period:

- 1: From the **Settings** screen, select **Display Brightness**.
- 2: Use the slider to adjust the screen to the desired brightness, and then tap the **Back** button.
- 3: Next, select the **Display** option.



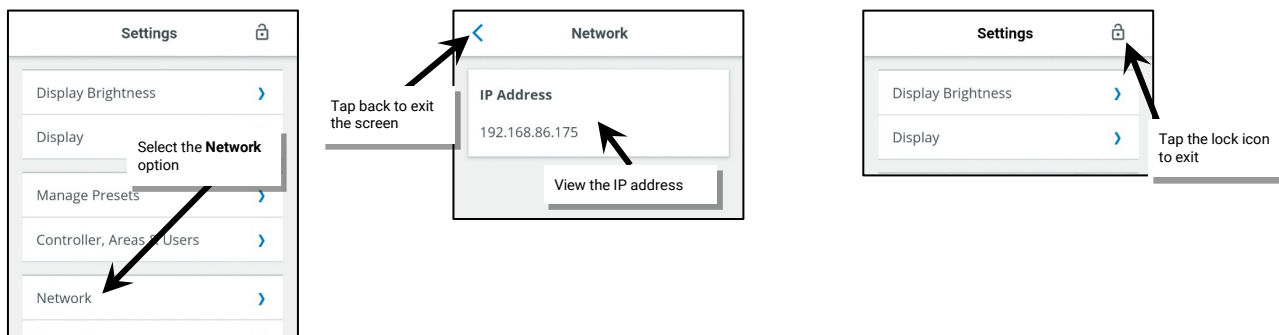
- 4: Select the initial time-out period from the provided options, and then tap the **Back** button.
- 5: Tap the lock icon to exit the settings screen.



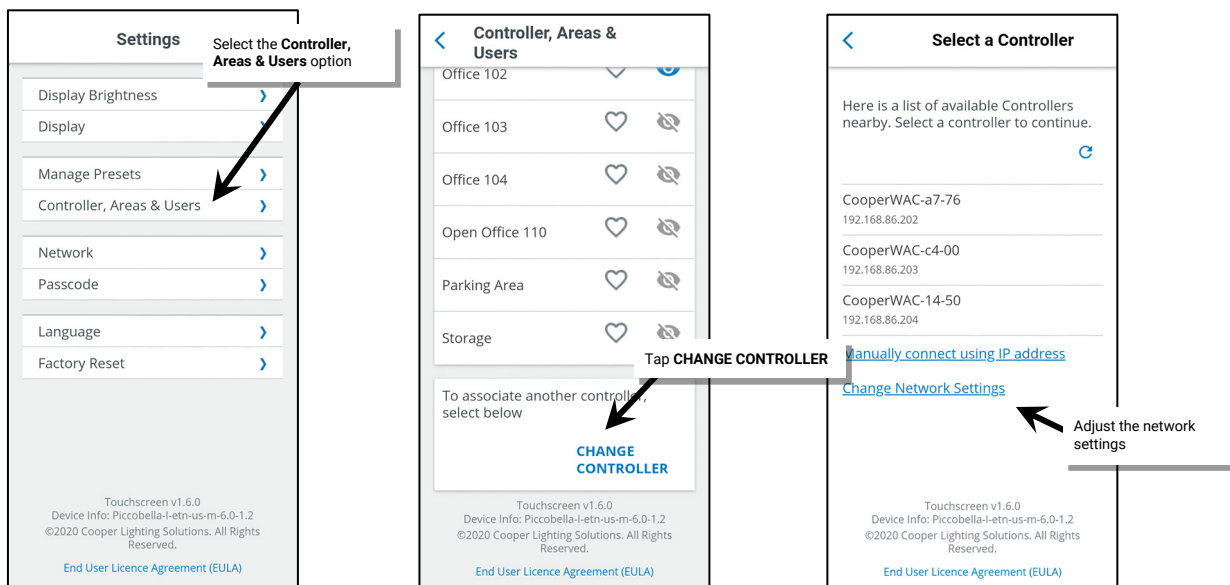
Viewing or Changing the Touchscreen's IP Address

To view the touchscreen's currently assigned IP address:

- 1: From the **Settings** screen, select the **Network** option.
- 2: Review the IP address. Once finished, tap the **Back** button.
- 3: Tap the lock icon to exit the settings screen.



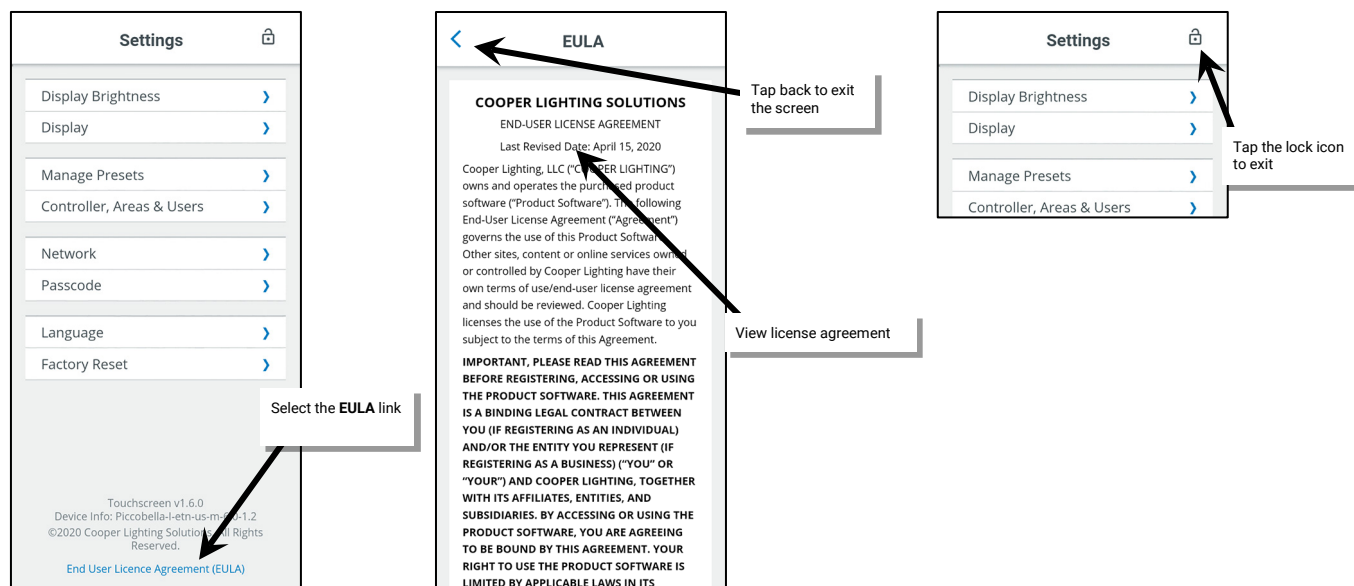
To change the touchscreen's IP address, from the settings menu, select the option for **Controllers, Areas & Users**, and then select **CHANGE CONTROLLER**. Define the new settings and then tap the correct WaveLinX Area Controller to reconnect.



Viewing the End User License Agreement (EULA)

To view the touchscreen End User License Agreement (EULA):

- 1: From the **Settings** screen, select the **End User License Agreement (EULA)** link at the bottom of the screen.
- 2: Once finished reviewing the information, tap the **Back** button.
- 3: Tap the lock icon to exit the settings screen.



Changing the Display Language

It is possible to switch the display language between English, Spanish, and French. To change the display language:

- 1: From the **Settings** screen, select the **Language** option.
- 2: Select the desired language, and then tap the **Back** button.
- 3: Tap the lock icon to exit the settings screen.

