



Daikin *One* Lite Connected Thermostat Installation & Commissioning

Technical Training Module TRC-11



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Agenda



Daikin *One* Lite

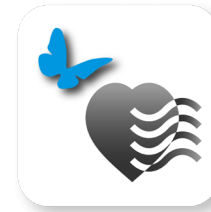
System Configurations

Installing Daikin *One* Lite

Commissioning Daikin *One* Lite with Wi-Fi
(*SkyportCare*-recommended)

Commissioning Daikin *One* Lite without Wi-Fi
SkyportHome App

- Affordable solution for ductless products.
- Small footprint design.
- Commissioning and setup can be accomplished with the *SkyportCare* app.
 - The end user will be able to control the system remotely through the *SkyportHome* app.
 - Additional option for commissioning is through the Daikin One Lite user interface.
 - **Limited features.**
- Compatible with Amazon  and  Google Home
- Open API for integration into most home control systems, such as Crestron® and Control4®.



SkyportCare



SkyportHome



Google Home



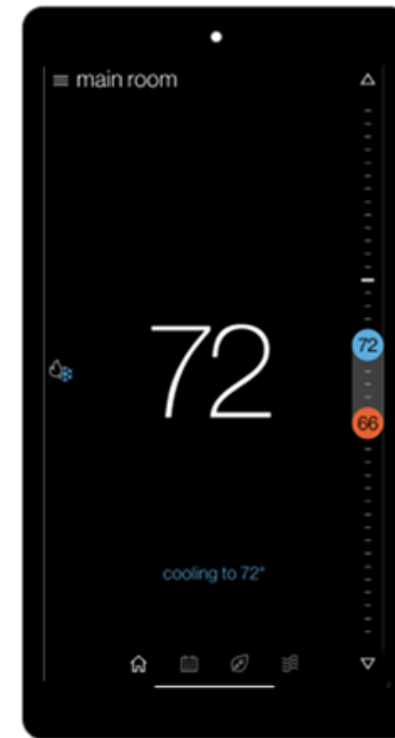
SCAN QR CODE FOR MORE INFORMATION:
<https://daikincomfort.com/products/cloud-services-apps/cloud-services---apps-homeowner>

Daikin One Lite Interface

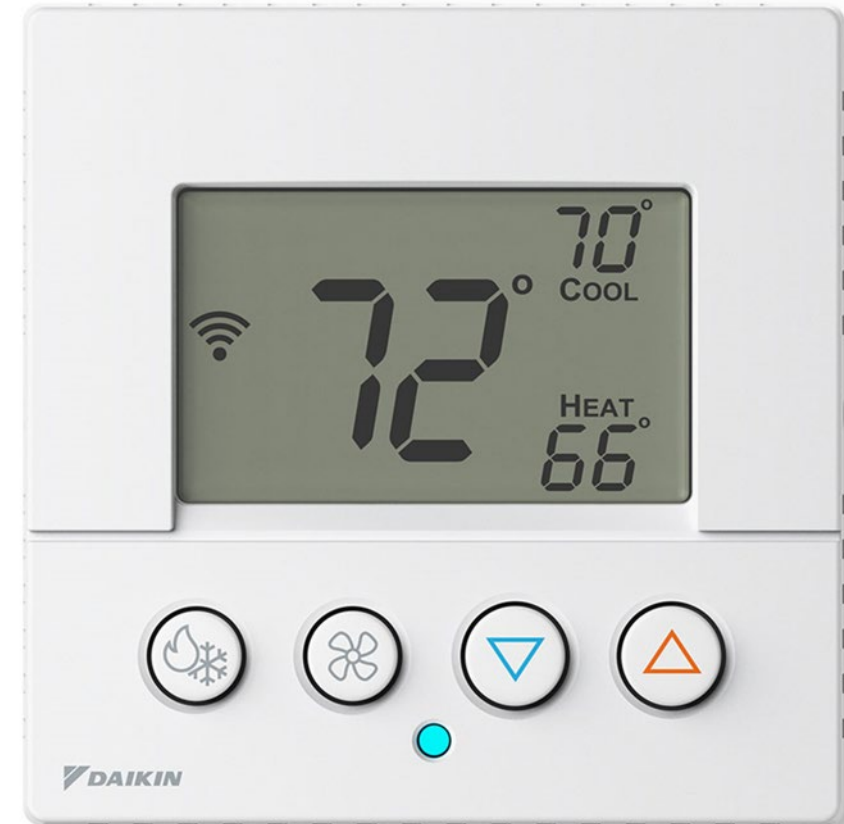
- Pressing or holding down a button or combination of buttons navigates the user through menus to view/adjust settings.



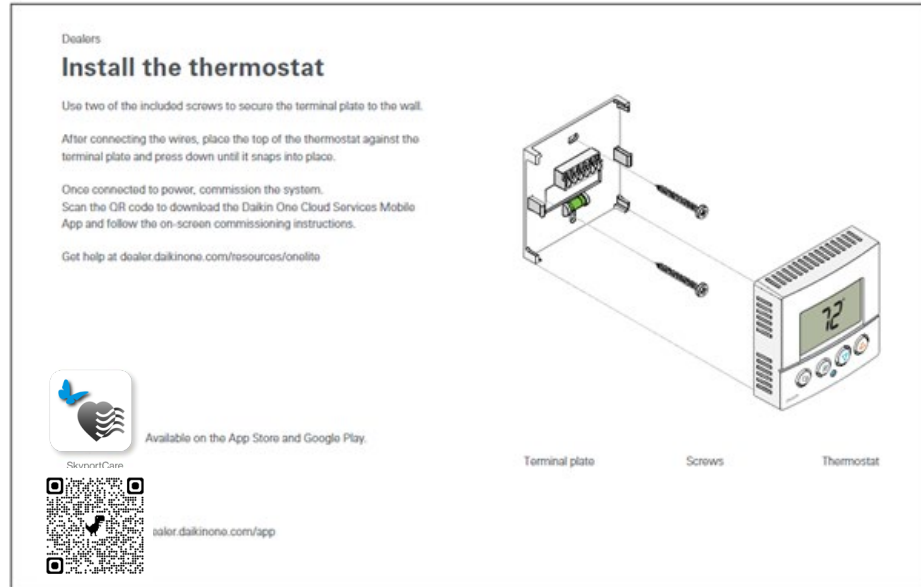
- Navigation through menus and adjusting can also be made using tactile gestures on the Daikin One Cloud Services and Daikin One Home applications from your mobile device.



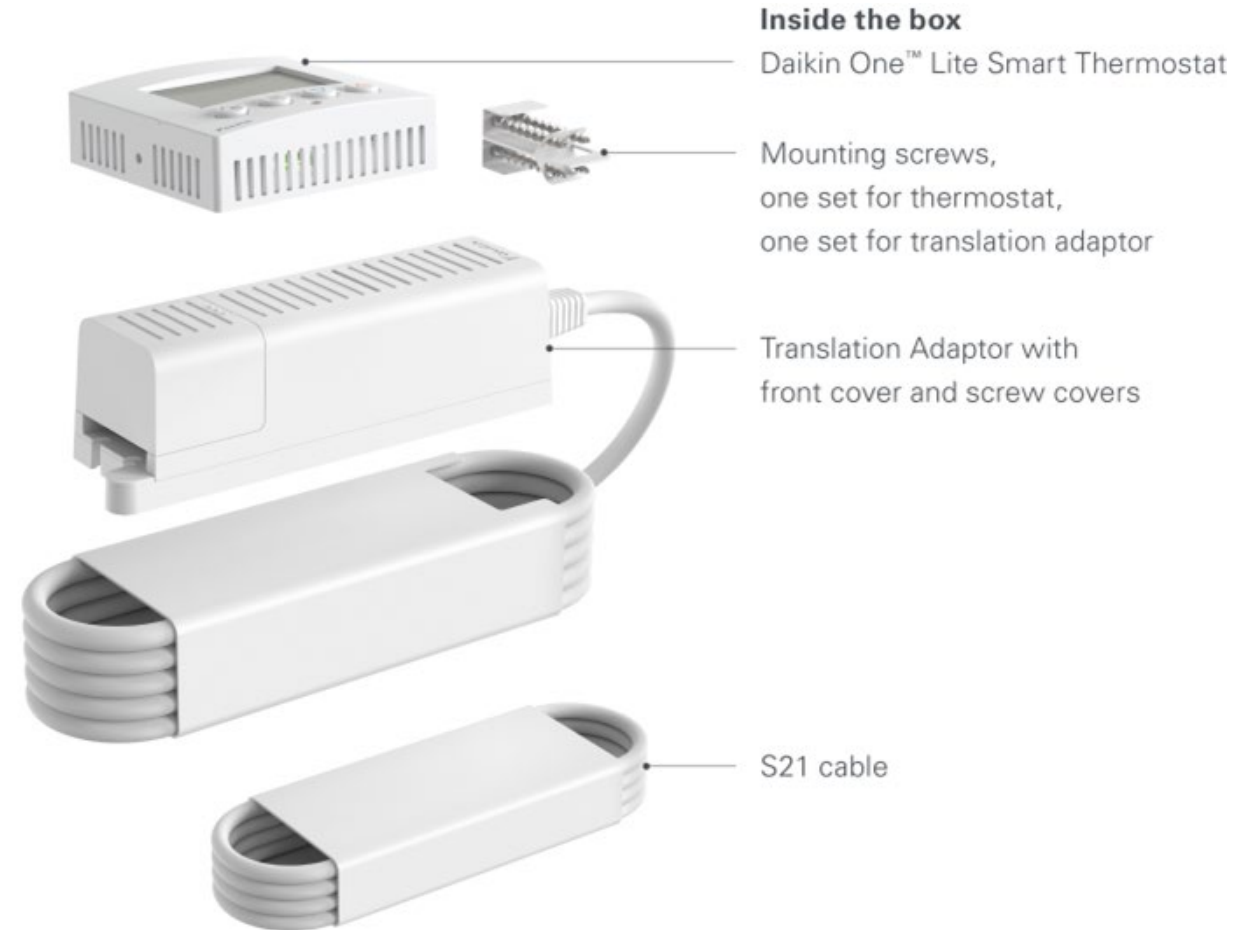
- Daikin *One*'s messaging updates, confirms, and informs about selections you make during set-up and operation.
- There are four types of messages:
 - Status
 - Blue-cooling
 - Red- heating
 - Alerts
 - A critical alert is displayed as a message until resolved by the dealer and dismissed by putting the unit in "OFF" mode and then back into an operation mode.
 - Reminders and Prompts
 - Learn more/tips (App. Only)



Quick reference cards are packaged with the thermostat to help answer questions during the installation and commissioning.



- **Scanning** the bar code on the **bottom left** corner will link you to a website related to the title of the card.



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Daikin One Lite Thermostat for S21 Indoor Units

Indoor units that have S21 Interface



Notes: the Daikin One Lite is not compatible with:
handheld IR remote controller – BRC944 – KRP928

Indoor units that do not have S21 Interface



Indoor Unit Models (require interface adaptor)	Required Interface Adaptor
FTXM 09-24 WVJU	KER087A41
CTXV 07 AVJU9, FTX 09-12 NMVJU, FTK 09-12 NMVJU, FTXQ 09-12 ASBU9, FTXV 09-24 AVJU9, FTKF 09-24 BVJU, FTXF 09-24 BVJU9	KRP067A41E
FTX15-24NMVJU, FTK18-24NMVJU,	KRP980B2E



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Installing Daikin *One* Lite Thermostat

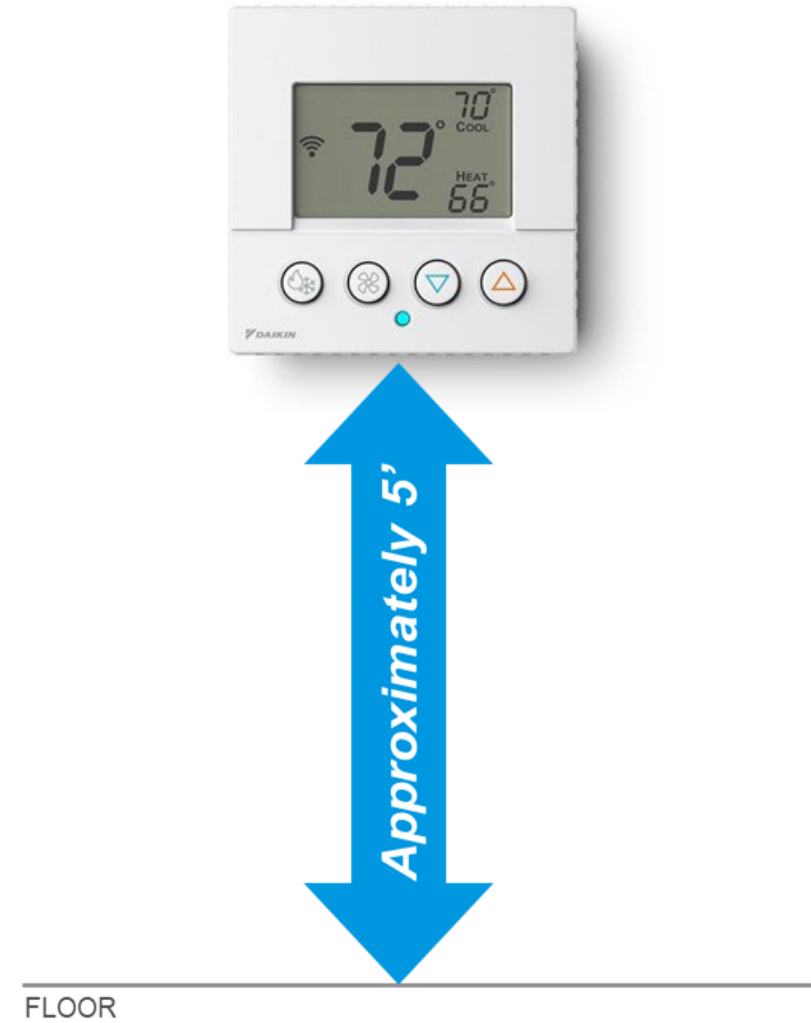
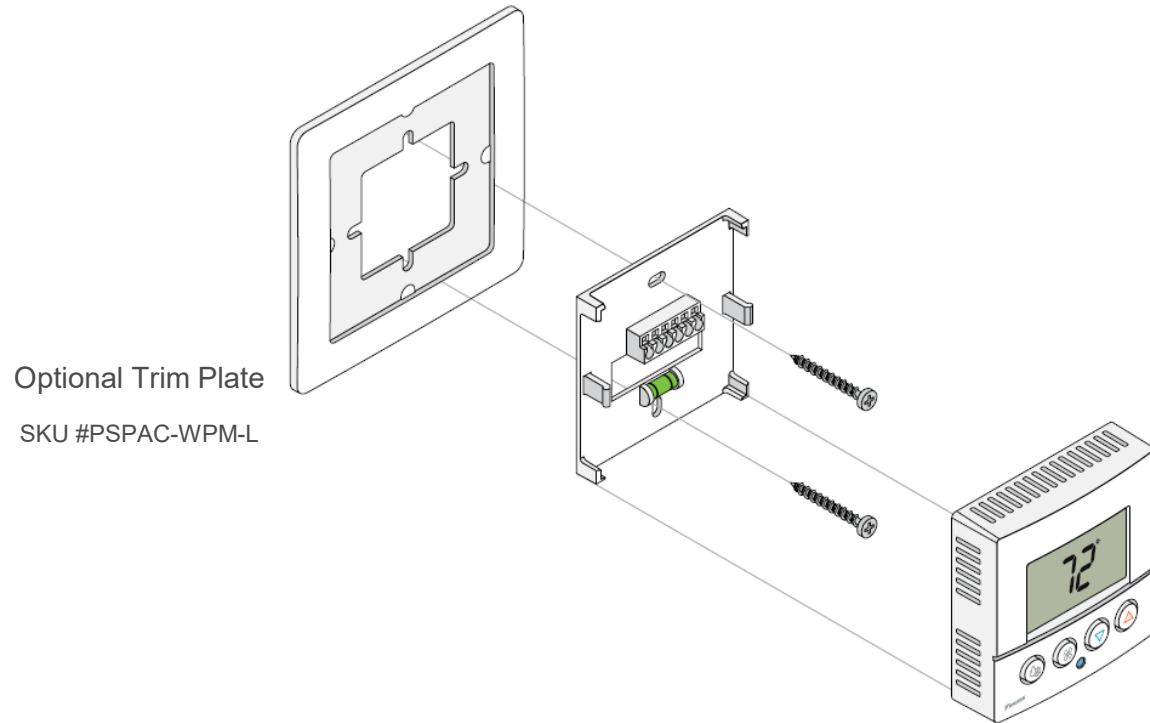
DO NOT install the thermostat where it can be affected by:

- Drafts or dead spots behind doors and in corners.
- Hot or cold air from ducts or ceiling fans.
- Radiant heat from the sun or appliances.
- Concealed pipes and chimneys.
- Unheated (uncooled) areas such as an outside wall.



Installing Daikin One Lite Thermostat

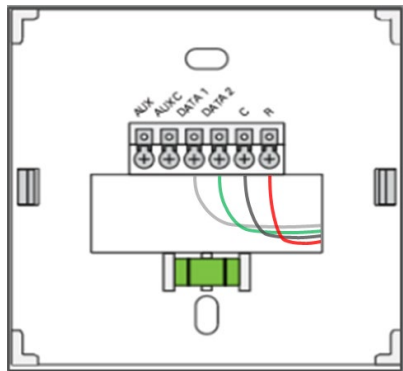
- Mount the thermostat to be
 - Leveled.
 - Approximately 5' from the floor.
 - On an interior wall using the included screws.



- Maximum wire distance between the Daikin *One* Lite and the translation adaptor should not exceed **125 feet using four conductor 18-gauge field supplied wire.**
- Seal the hole made for routing the wiring to the thermostat's terminal subbase.
- Check for proper voltage before and after wiring is installed.**
 - 0.6VDC between Data 1 and 2
 - 24VAC between R and C
 - Line voltage 230VAC

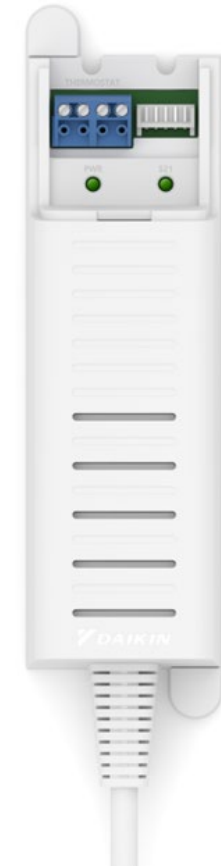
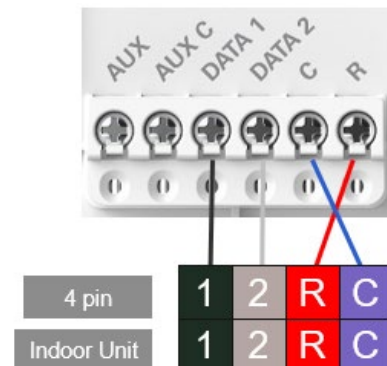
Note: If wired incorrectly, you will receive an error.

- If power wires are reversed the PWR LED will flash green.

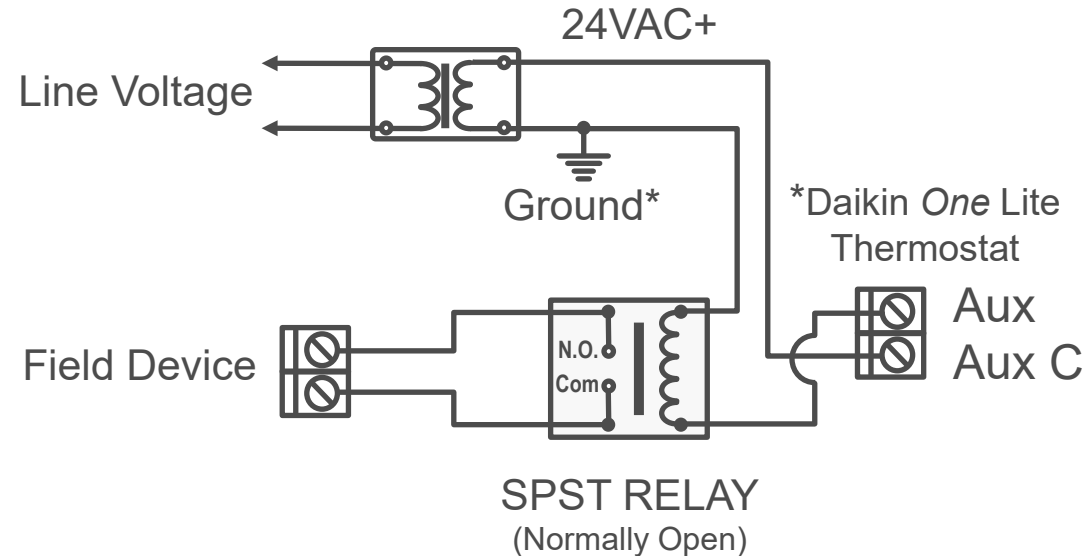


Aux to Aux C is a 24V AC Dry contact.

- 1** Data Line 1
- 2** Data Line 2
- C** 24 volt common
- R** 24 volt power



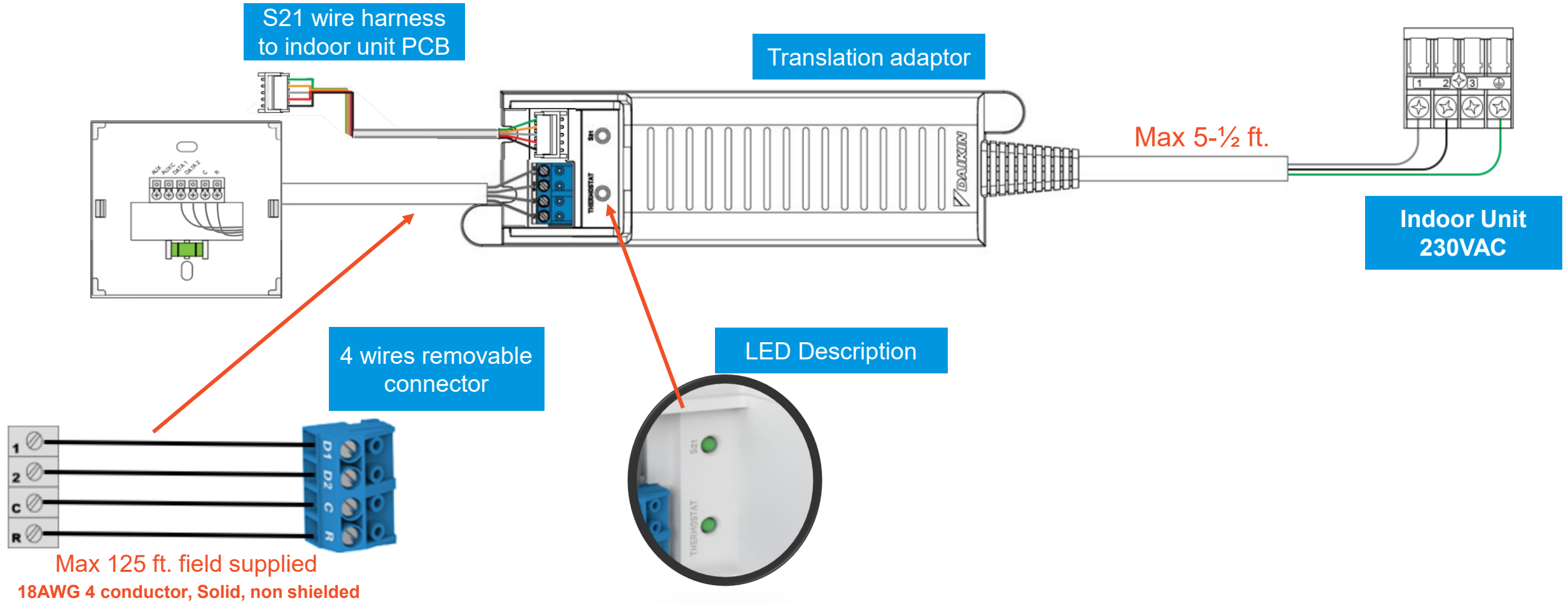
- The thermostat's Aux output is a dry contact that closes the connection to turn on the Aux equipment.
- A 24VAC+ control signal must be routed through the aux contact of the thermostat.



*Aux heat is compatible with heat pump systems ONLY

Notes: It is recommended to use a minimum of 18-gauge wire. Standard non-stranded thermostat wire is acceptable. Maximum operating length of wire is 125 ft. The terminals are selected in the installer app.

Translation Adaptor Detail



Mounting the Translation Adaptor

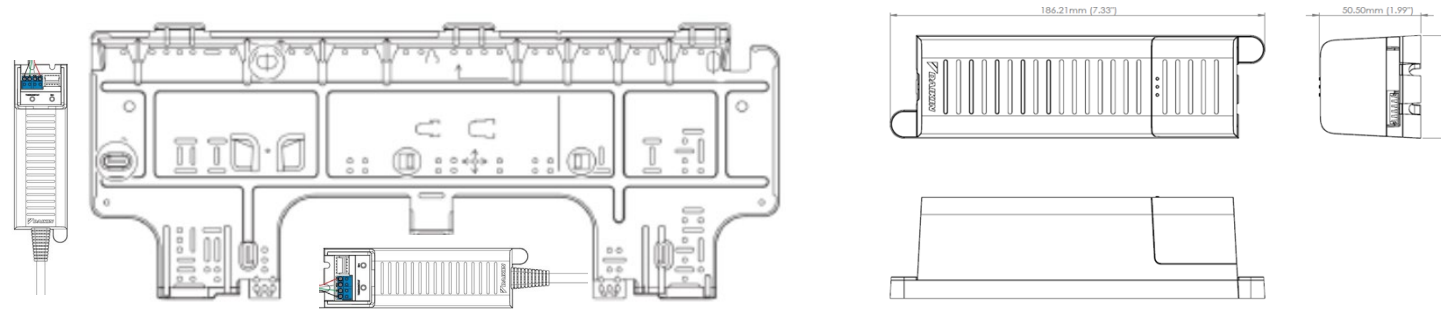
- Mount using screws.
 - Never use screws to mount to an indoor unit.
- Two channels on the backside of the adaptor allow the S21 and thermostat cables to exit the same side of the adaptor.



Translation Adaptor Location and Considerations

Wall mounted indoor unit

- If spacing allows, the translation adaptor can be mounted inside the piping chase. Otherwise, it can be mounted on the outside of the indoor unit.



Ducted indoor unit

- Translation adaptor can be mounted on the side and top of the indoor unit, or above the ceiling using field-supplied double-sided adhesive tape.



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Daikin *One* Lite

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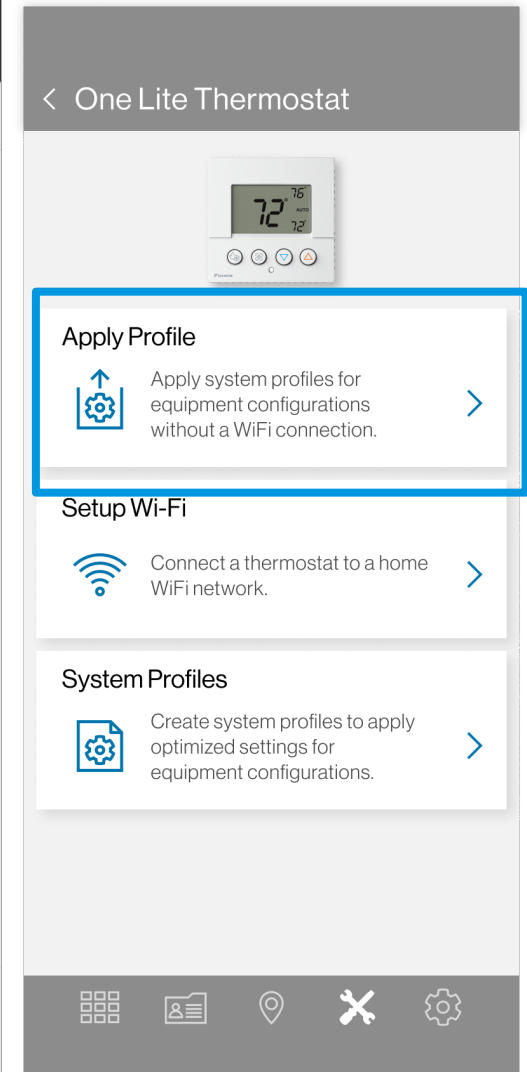
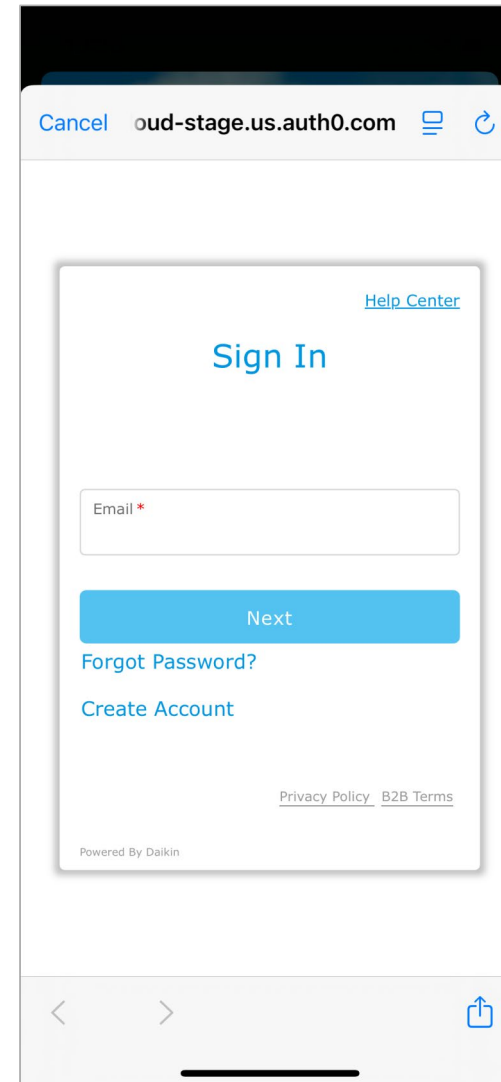
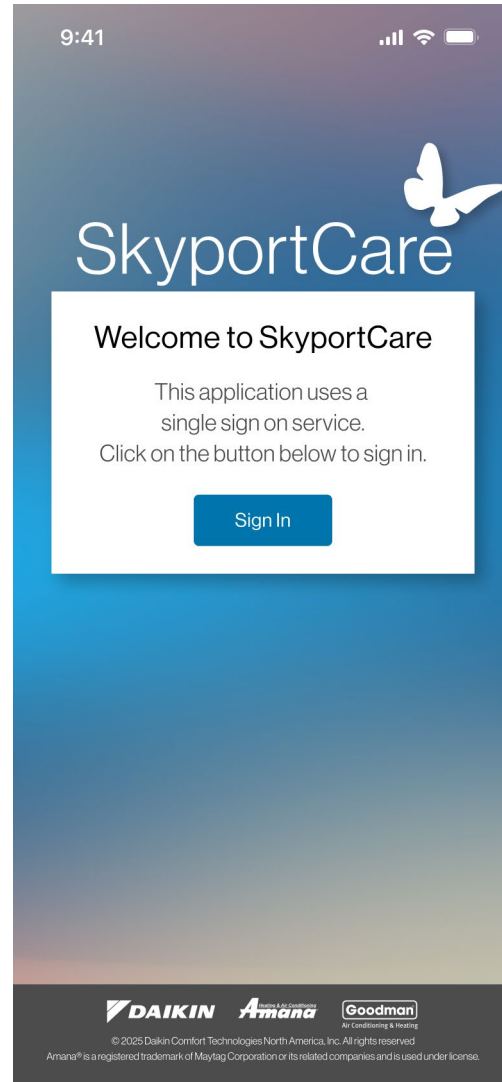
Commissioning Daikin *One* Lite with Wi-Fi
(*SkyportCare*-recommended)

Commissioning Daikin *One* Lite without Wi-Fi

SkyportHome App

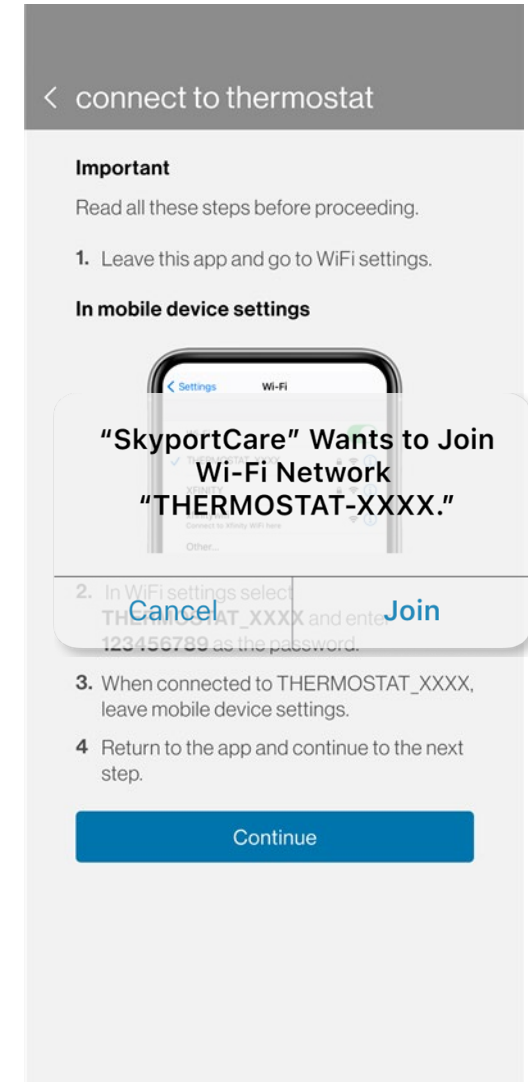
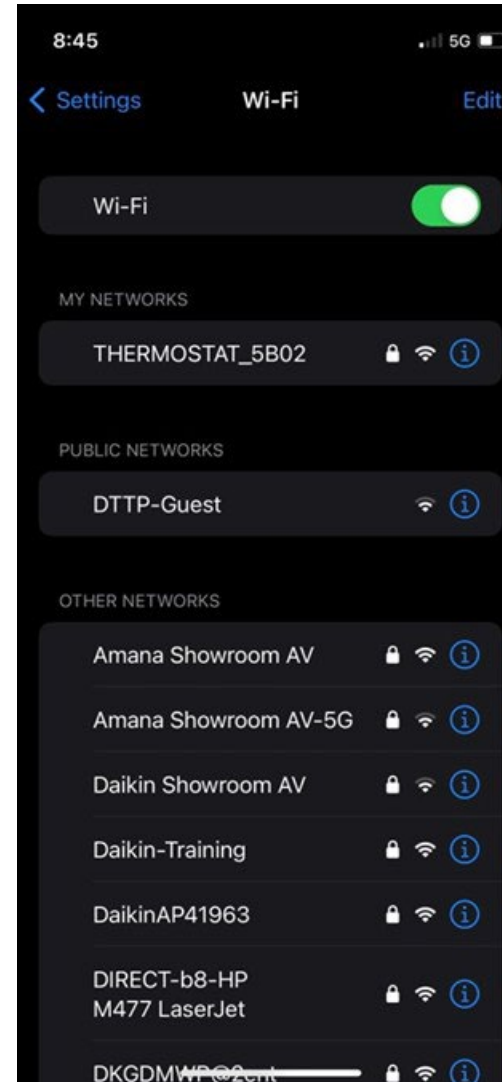
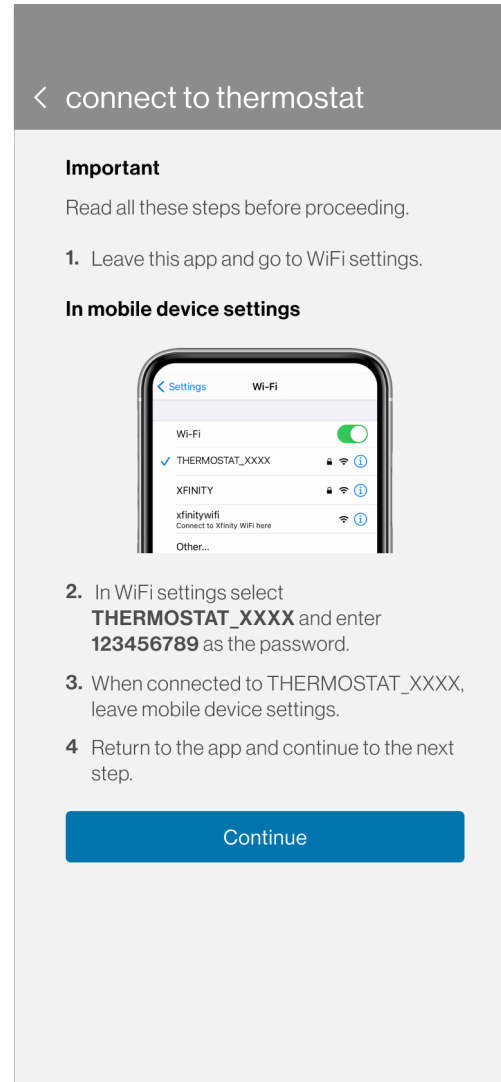
Commissioning (with Wi-Fi)

- Download the *SkyportCare* app from your respective app store.
- You will need account to log in
 - This account will need to be tied to the dealer account registered with *SkyportCare*
 - If you do not have an account, click the create account link and follow the process on creating an account before getting started.
- Apply profiles enables the technician to modify profile settings through the app.



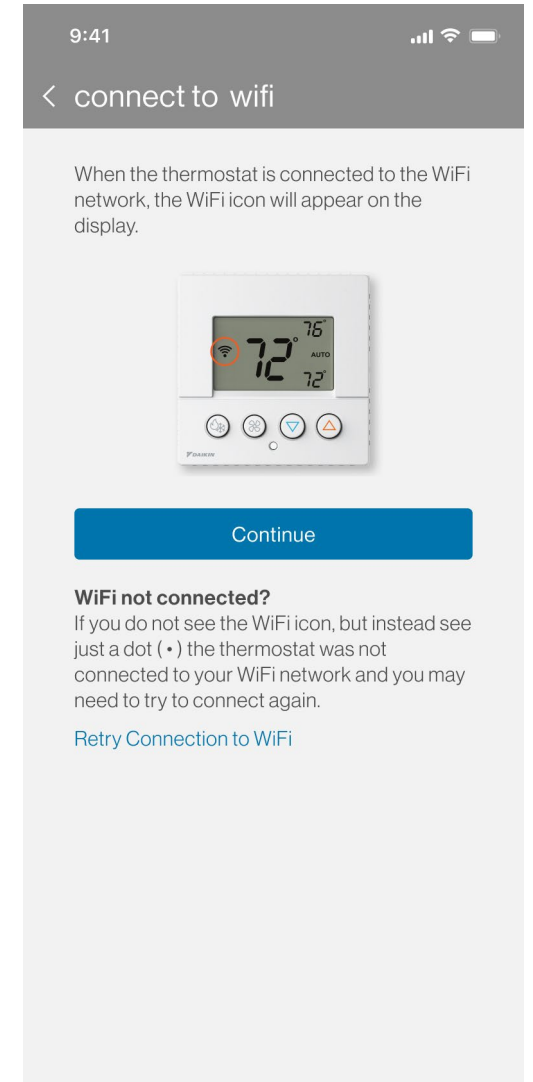
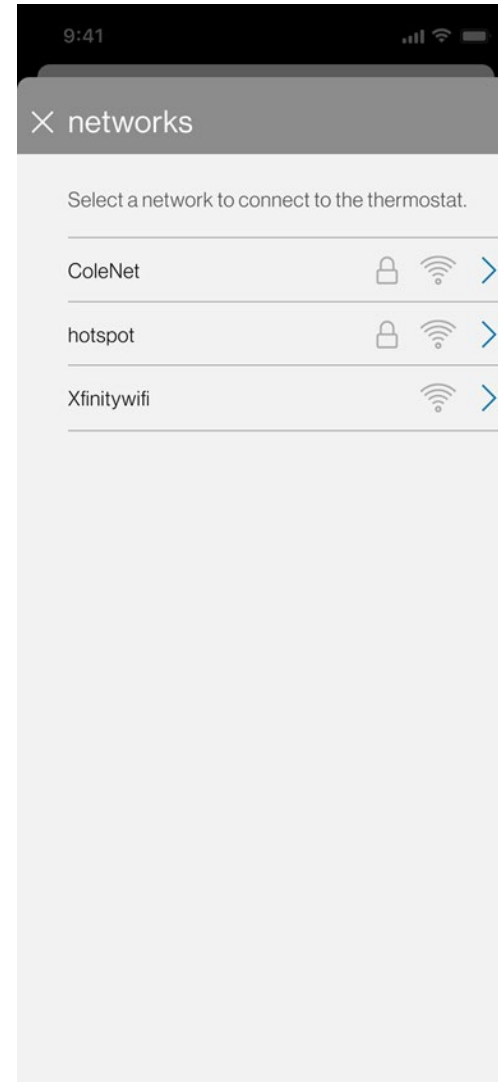
Connect To The Thermostat Using AP Mode

- The user will be prompted to open the mobile device's Wi-Fi settings and connect to the thermostat Wi-Fi.
 - Password: 123456789
 - If having connectivity issues through the app, turn off Wi-Fi assist (IOS) or Intelligent Wi-Fi (Android) on the mobile device.
- NOTE: The *SkyportCare* app must remain open while accessing the mobile device's Wi-Fi settings.
- A message will appear at the top of the thermostat's UI informing the user that their mobile device is connected to the access point.





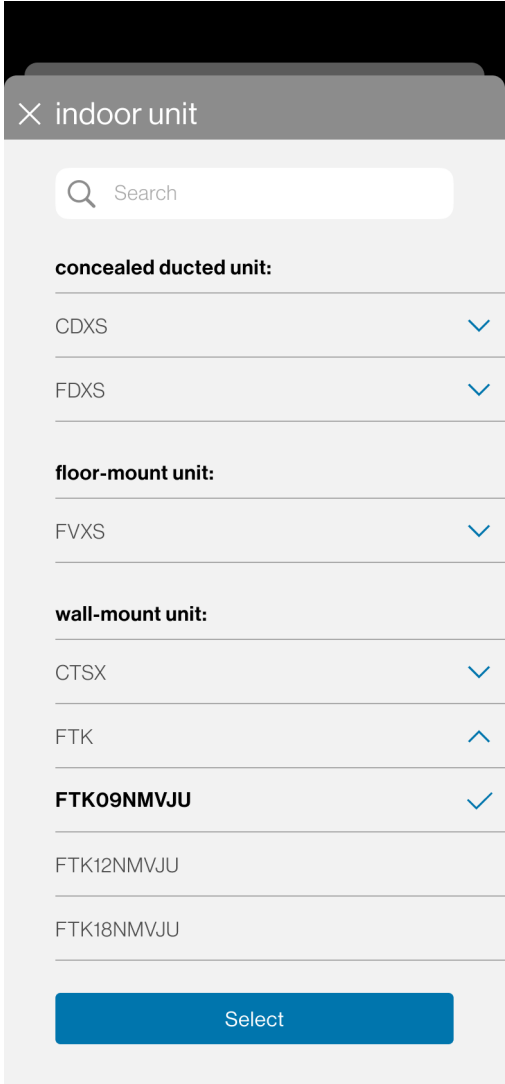
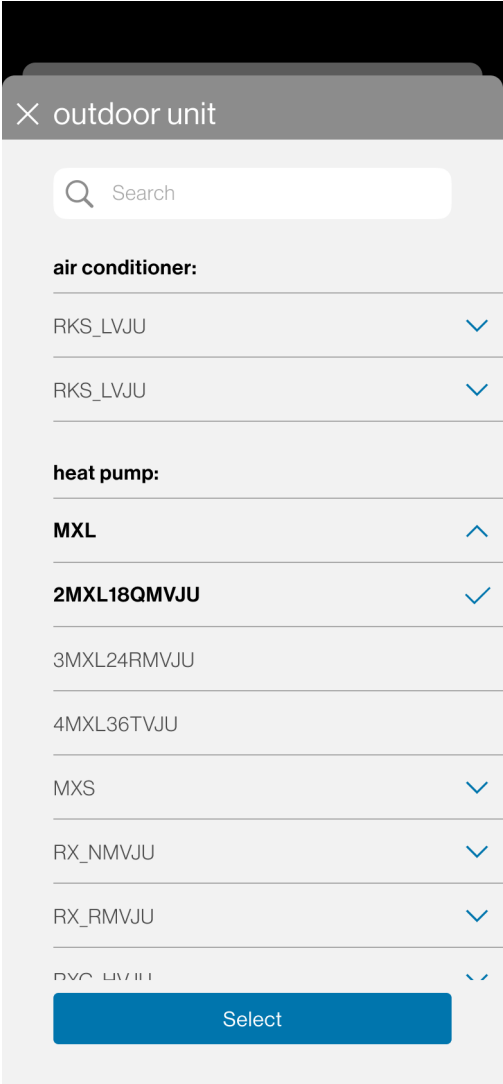
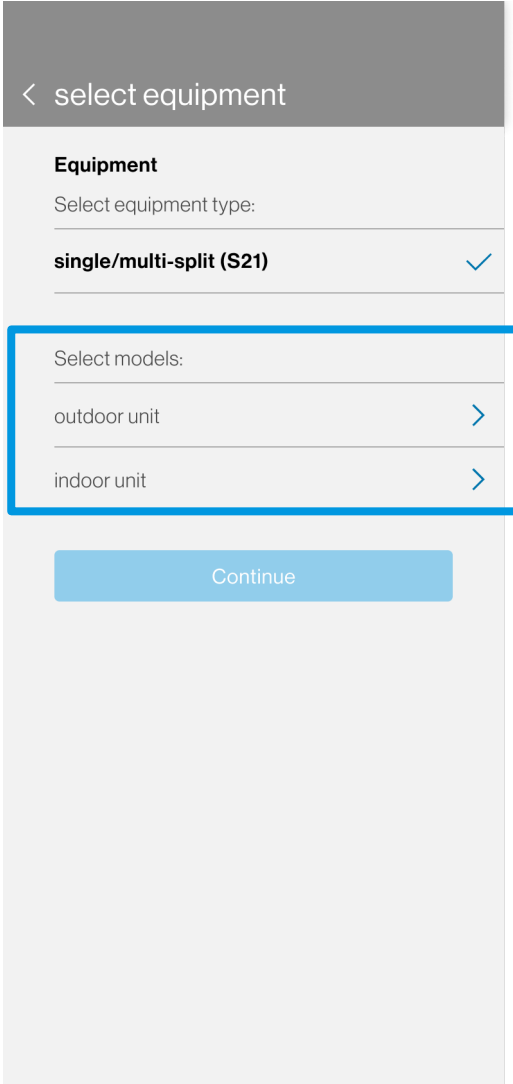
Connect To Home Wi-Fi

- Once connected to the thermostat, the user can connect to a local Wi-Fi network and will no longer need to maintain a 2ft. distance from the controller.
 - Must be password protected.



Apply System Profile

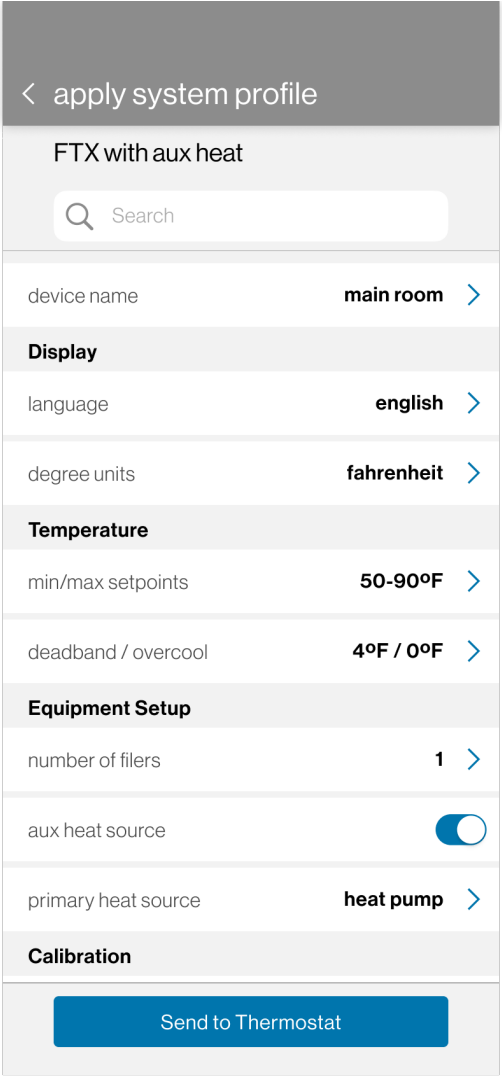
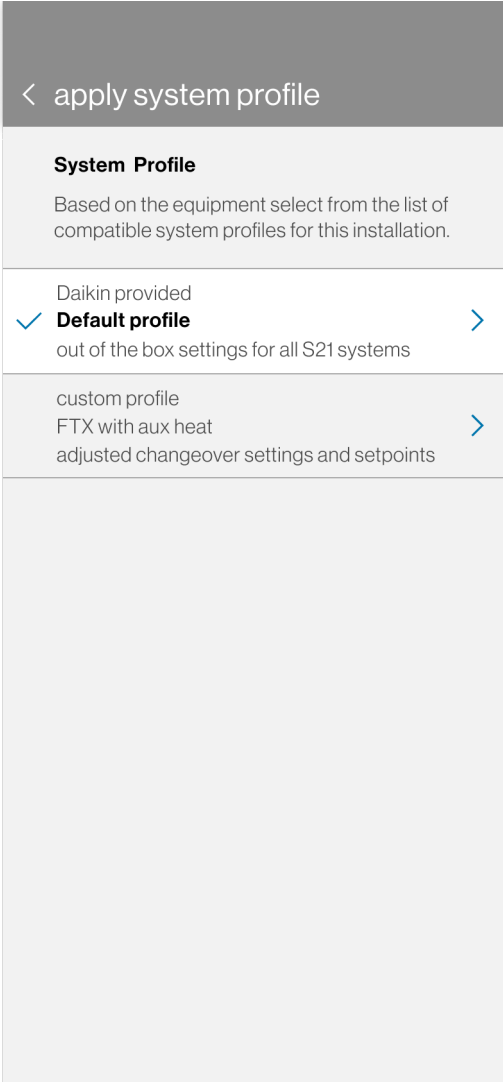
- Once connected to WI-FI, Select the outdoor and indoor model numbers from the menus.
 - Continue to view thermostat profile options.
 - Once connected to Wi-Fi, the green  icon will be displayed. If access is expired, then the user will see the no access icon  .



Apply System Profile (continued)

- You can select and or modify any profile to send to the thermostat.
 - Make edits as needed, then tap “Send to Thermostat”

NOTE: Modifying the profile does not affect the default profile



Agenda

Daikin *One* Lite

System Configurations

Installing Daikin *One* Lite

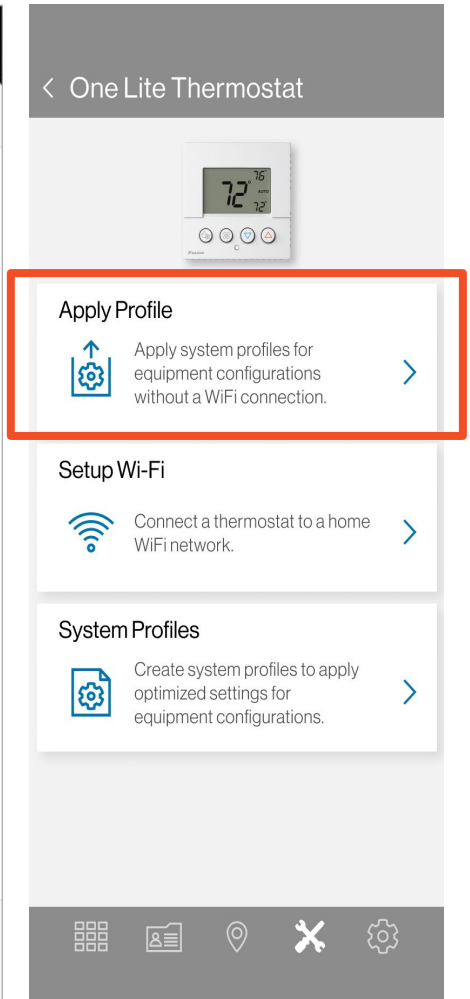
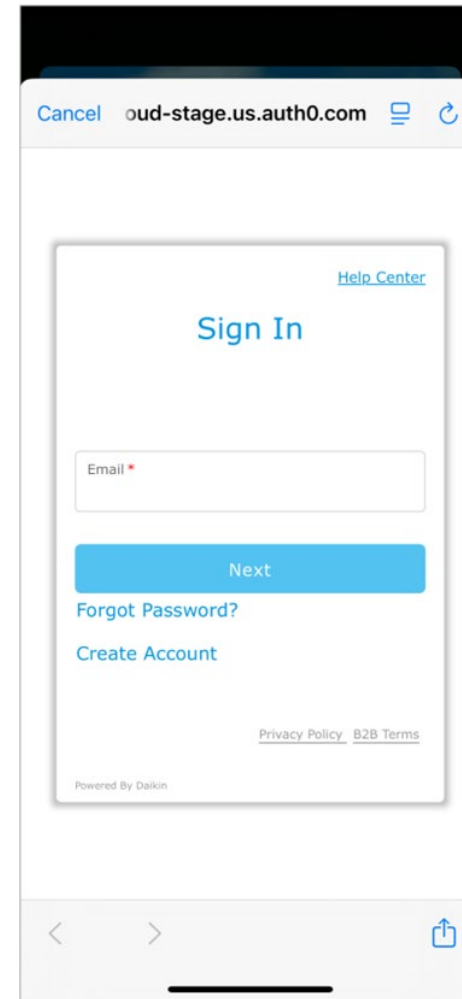
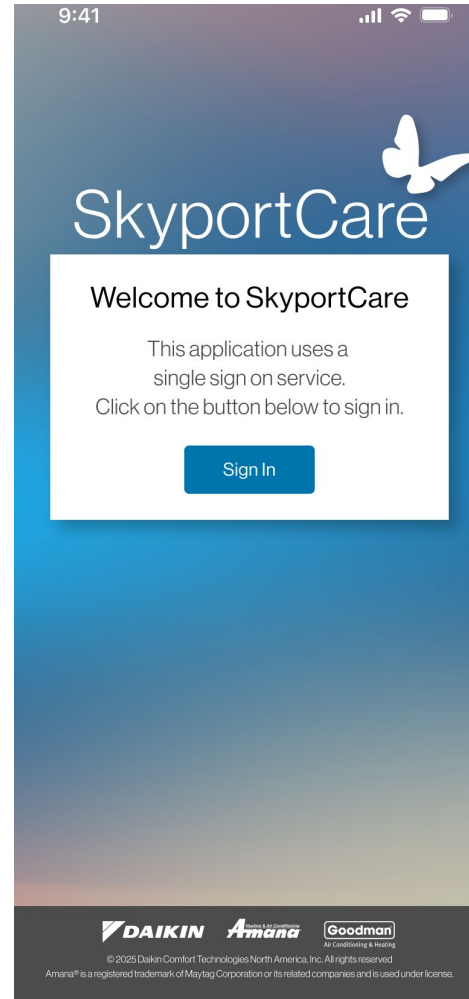
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Commissioning Daikin *One* Lite without Wi-Fi

SkyportHome App

Commissioning (without Wi-Fi)

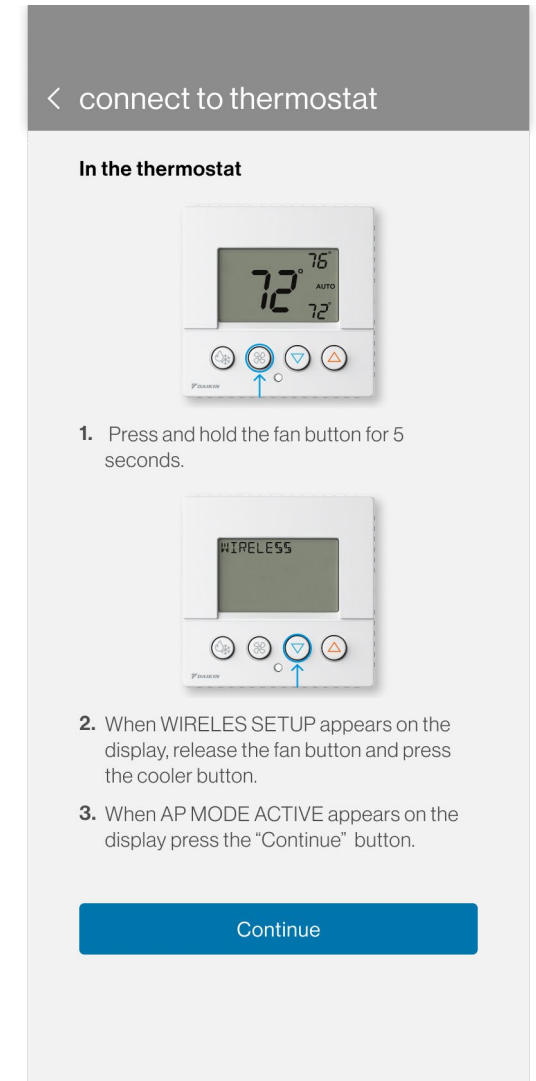
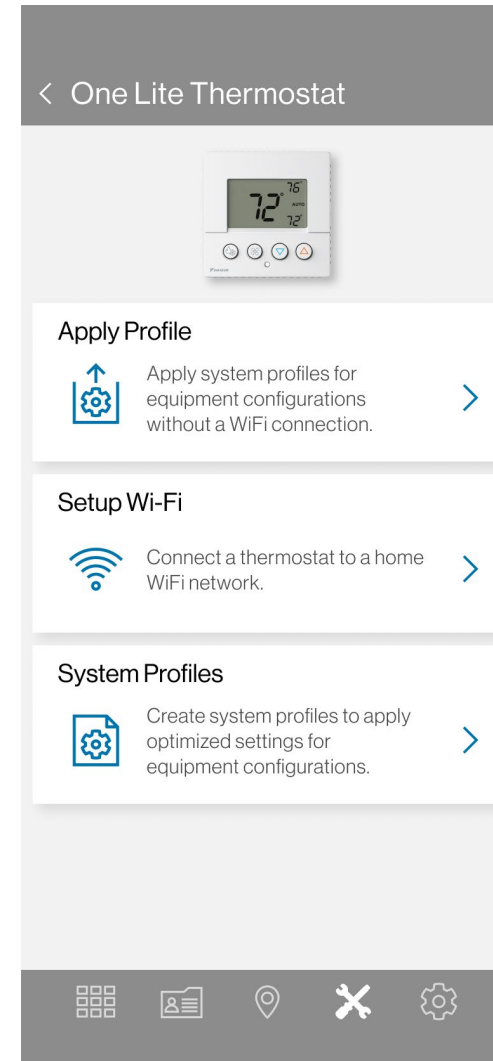
- Download the *SkyportCare* app. from your respective app. store.
- You will need an account to log in
 - This account will need to be tied to the dealer account registered with *SkyportCare*
 - If you do not have an account, click the create account link and follow the process on creating an account before getting started.
- Apply Profile enables the technician to modify profile settings and send them to the thermostat through the app.



Must have Wi-Fi enabled on your mobile device without a network connected

Connect To The Thermostat Using AP Mode

- On the thermostat, press and hold the fan button for 5 seconds.
 - Release the fan button and press the down button to continue.
 - Approximately 10 seconds to enter AP mode.
 - AP mode must be active before tapping discover device.
 - When connecting to the thermostat's access point, the mobile device **MUST** be within two feet.



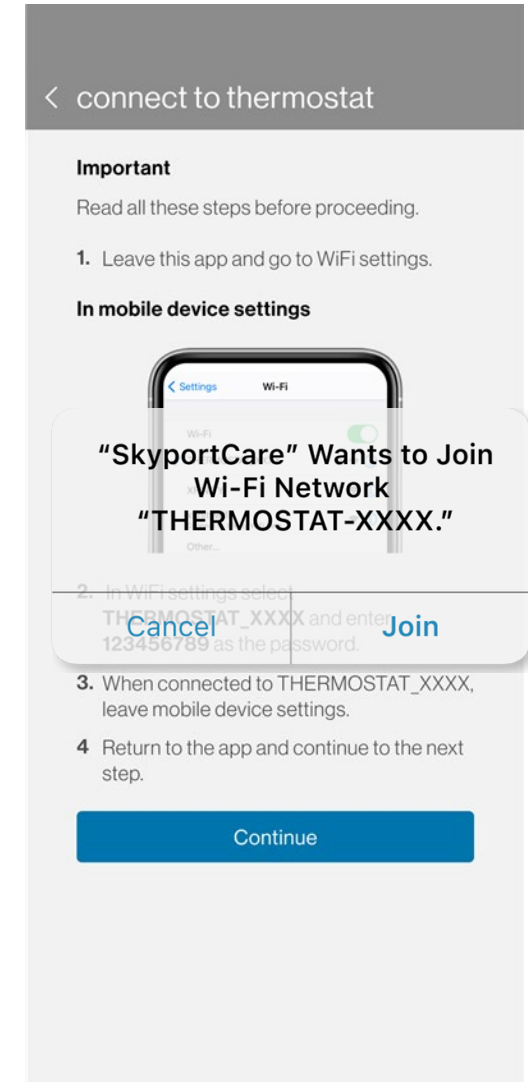
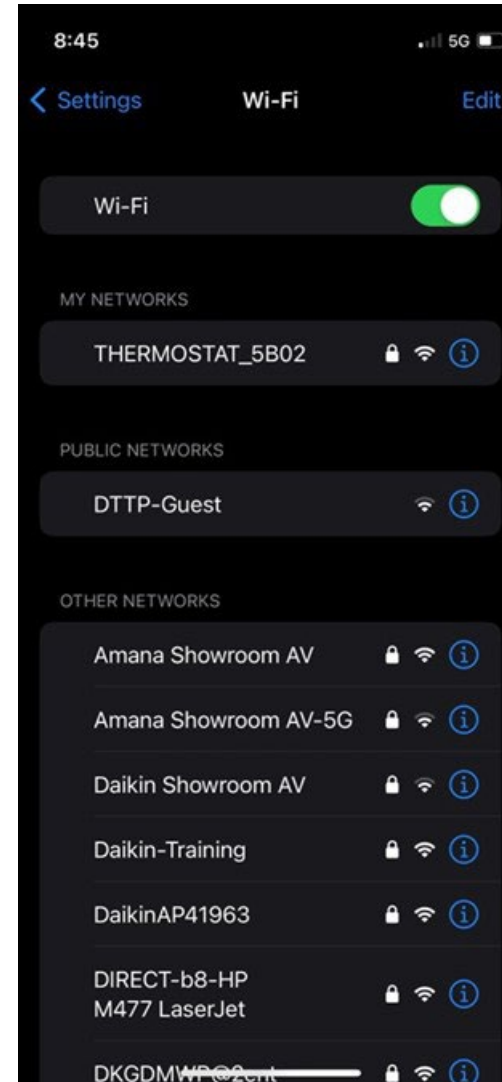
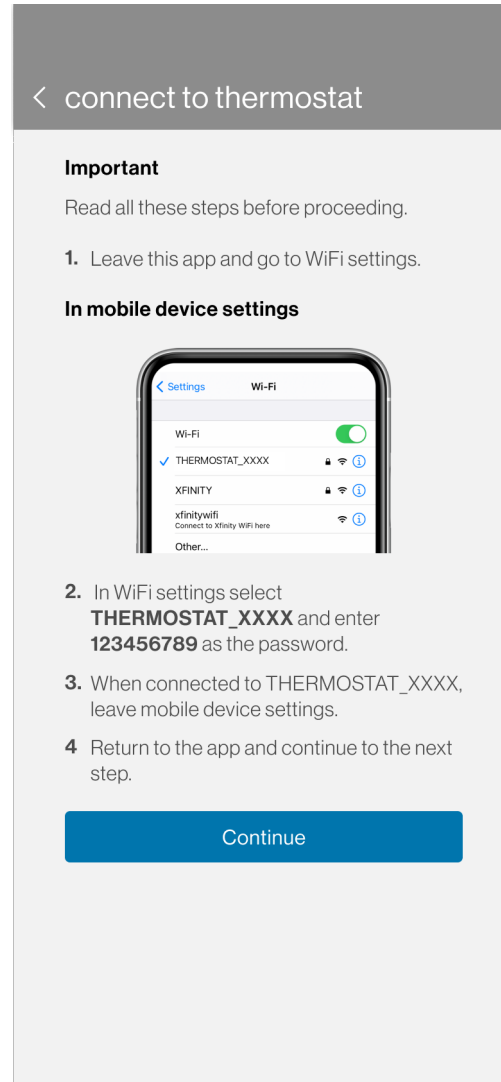
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- The user will be prompted to open the mobile device's Wi-Fi settings and connect to the thermostat Wi-Fi.

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- If having connectivity issues through the app, turn off Wi-Fi assist (IOS) or Intelligent Wi-Fi (Android) on the mobile device.

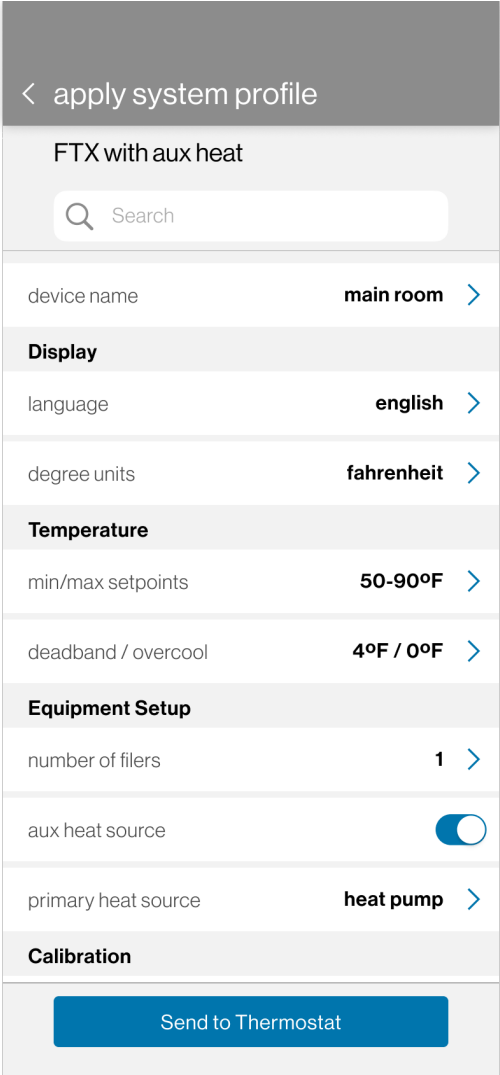
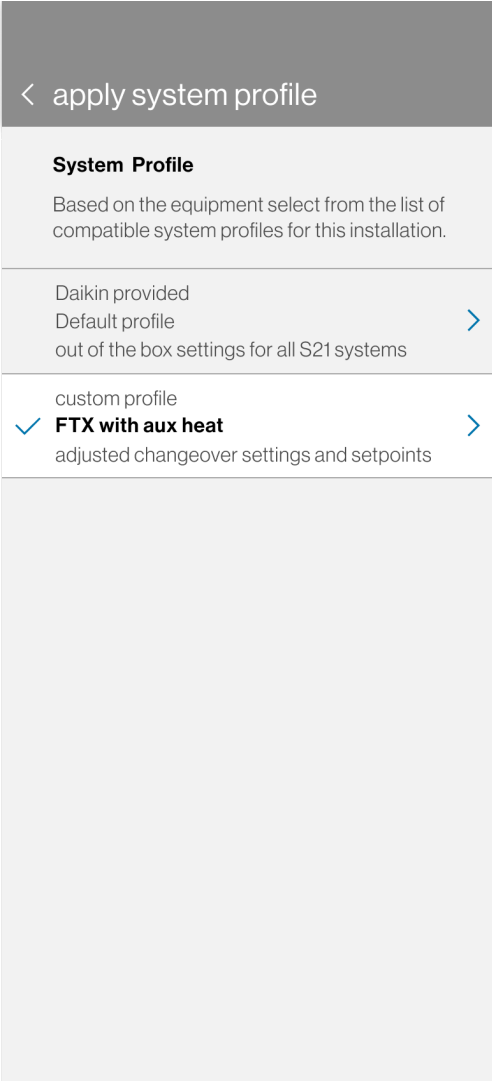
NOTE: The *SkyportCare* app must remain open while accessing the mobile device's Wi-Fi settings.

- A message will appear at the top of the thermostat's UI informing the user that their mobile device is connected to the access point.



Apply System Profile

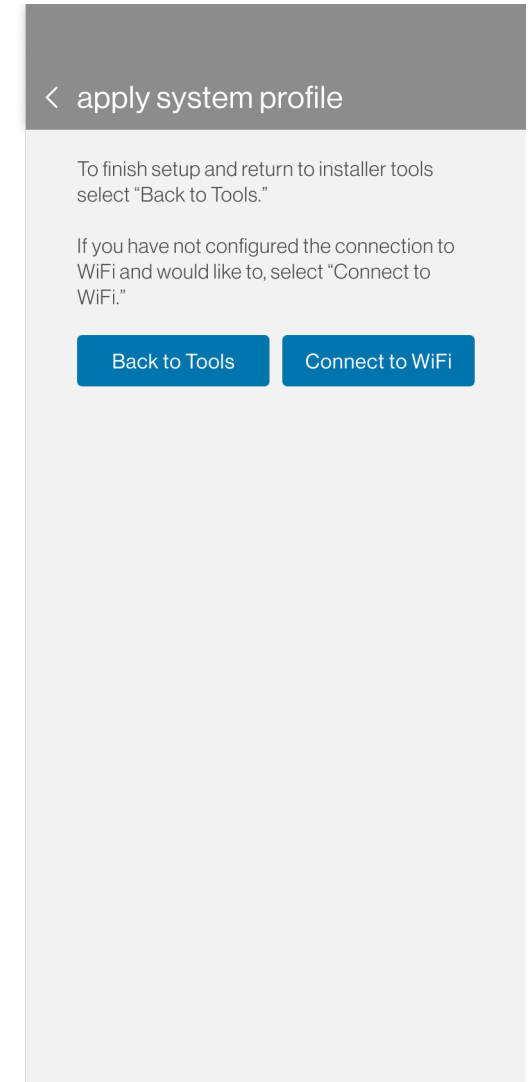
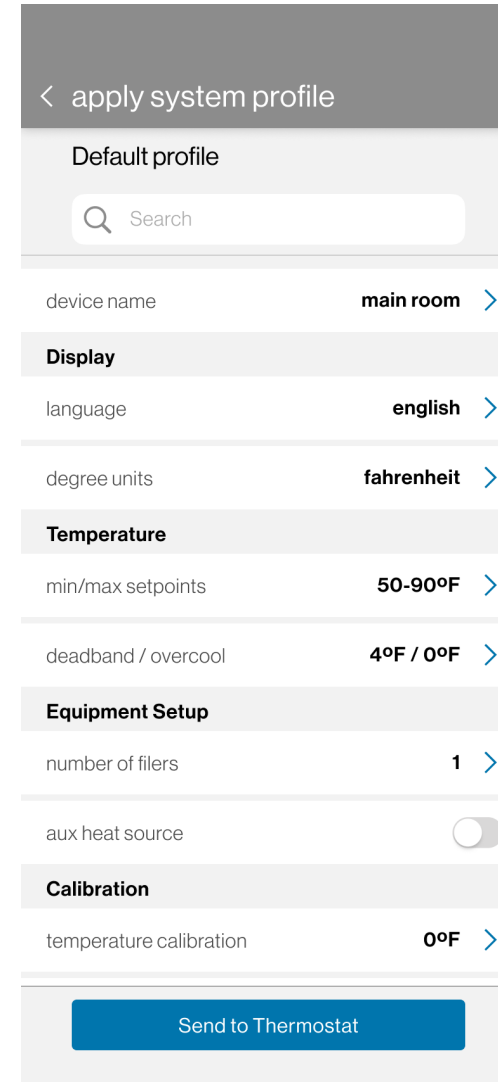
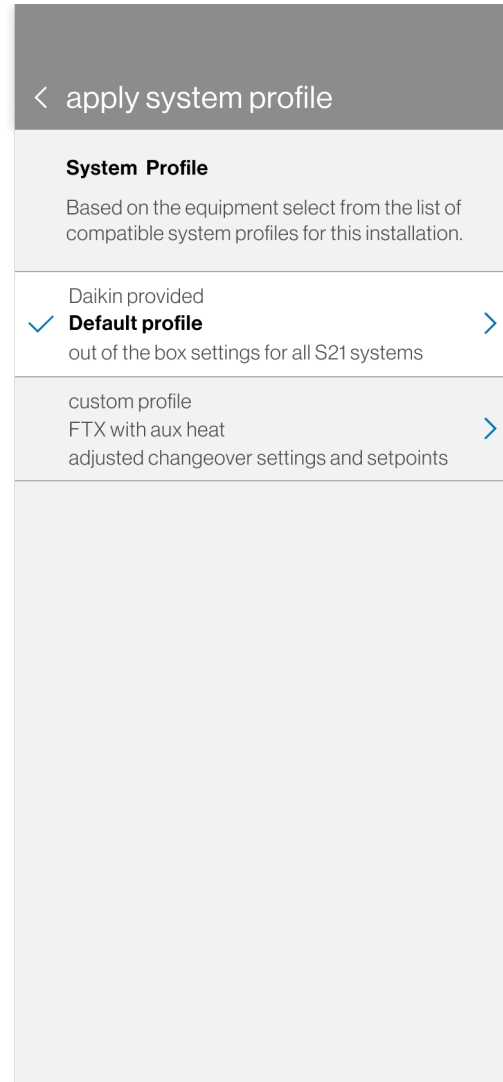
- A list of the connected equipment will be populated once equipment settings are detected (may take several minutes).
 - Verify equipment, then continue to view thermostat profile options.



Apply System Profile (continued)

- You can select and or modify any profile to send to the thermostat.
 - Make edits as needed, then tap “Send to Thermostat”
 - Without being connected to a network, the user **MUST** be within two feet of the thermostat.

NOTE: Modifying the profile does not affect the saved profile



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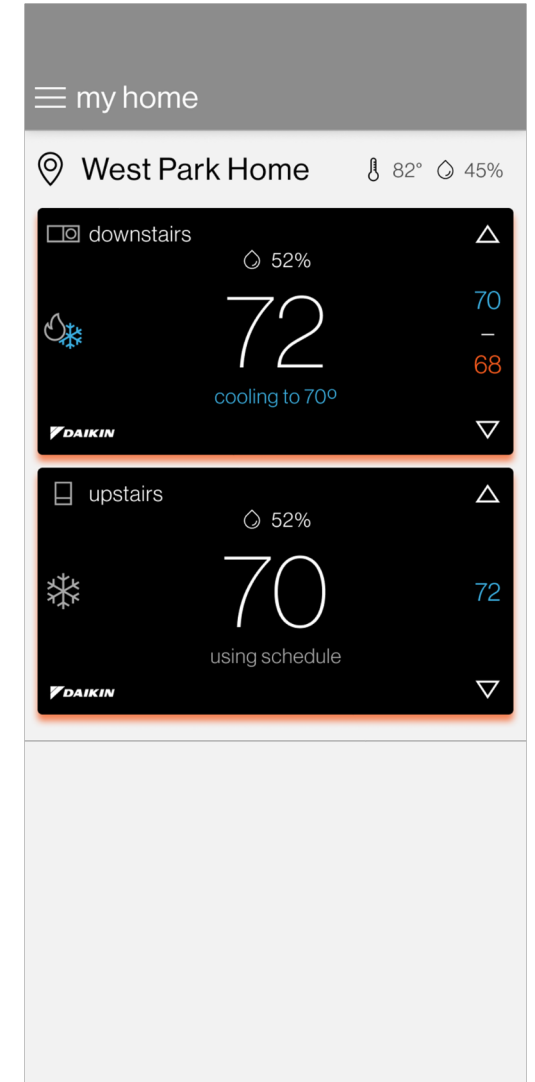
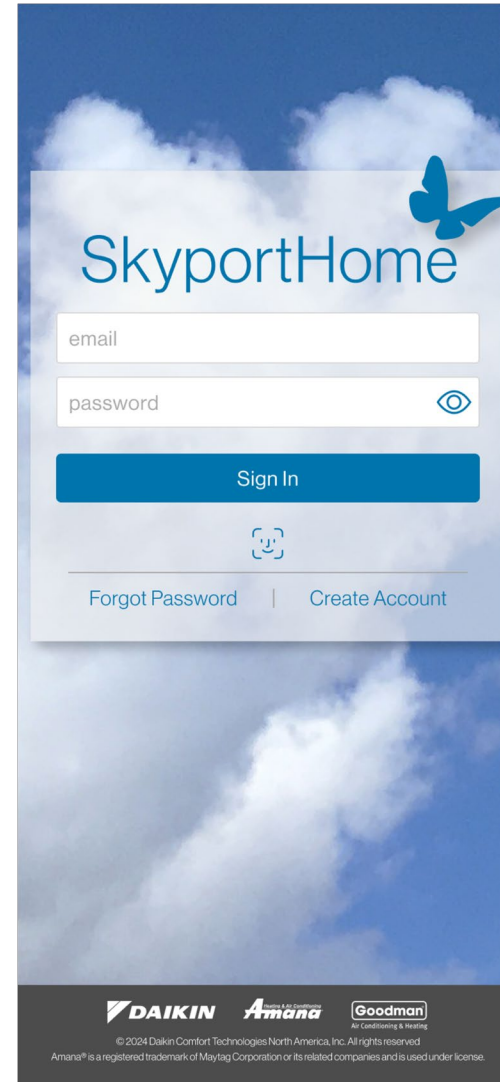
Commissioning Daikin *One* Lite without Wi-Fi

SkyportHome App

Account Set-up

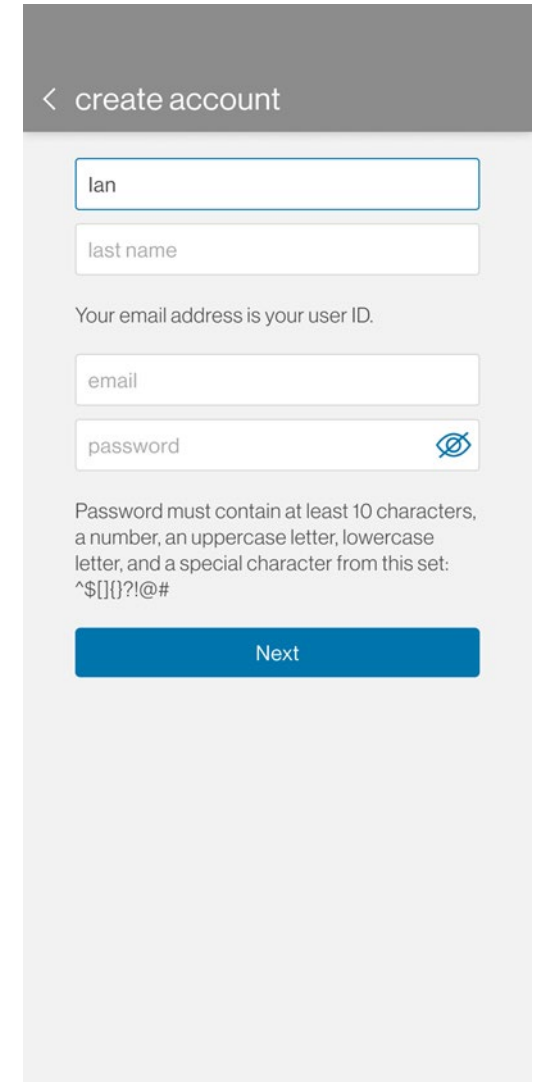
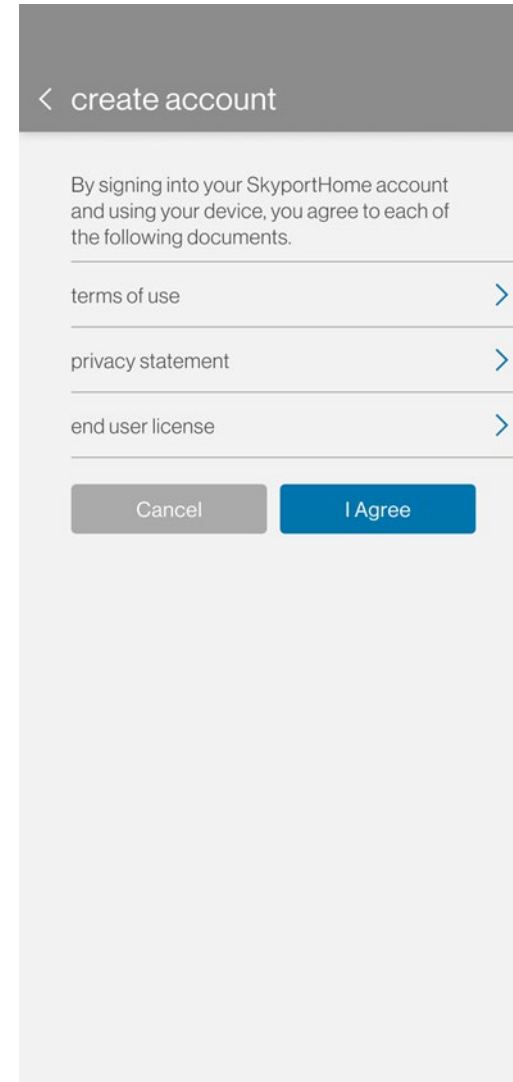
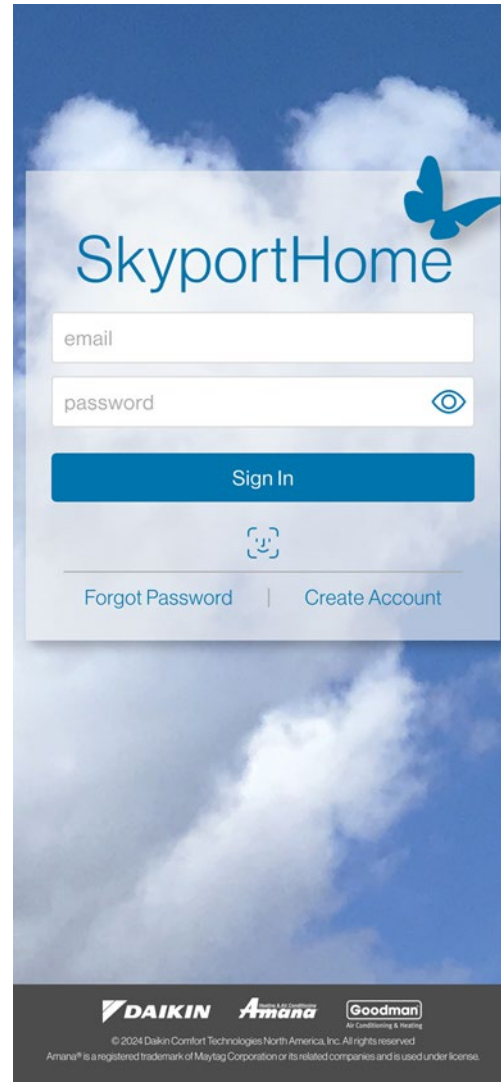
- Setting up an account is a five-step process.
 - Downloading the application from your IOS or Android application store.
 - Creating the account.
 - Confirming your account.
 - Adding the thermostats' location.
 - Connecting the app to the thermostat.

Note: A mobile device, the Daikin *One* Lite connected to Wi-Fi that is wired to an S21 communicating system, and a valid email address is needed to create a mobile account.



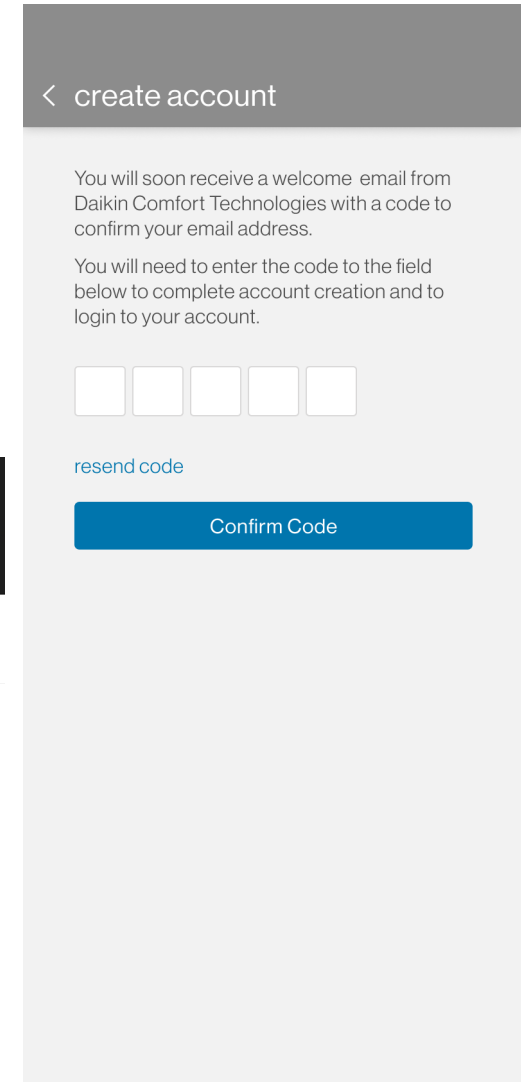
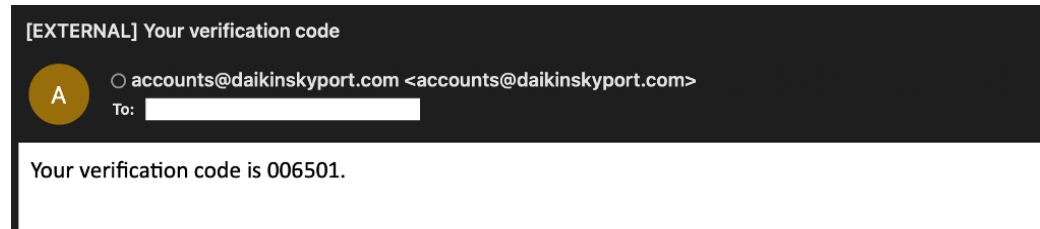
Create The Account

- Tapping **create account** at will start the process.
- **Before agreeing**, read the terms and service, privacy statement, and other notices.
- Fill in your name, valid email address, and password.



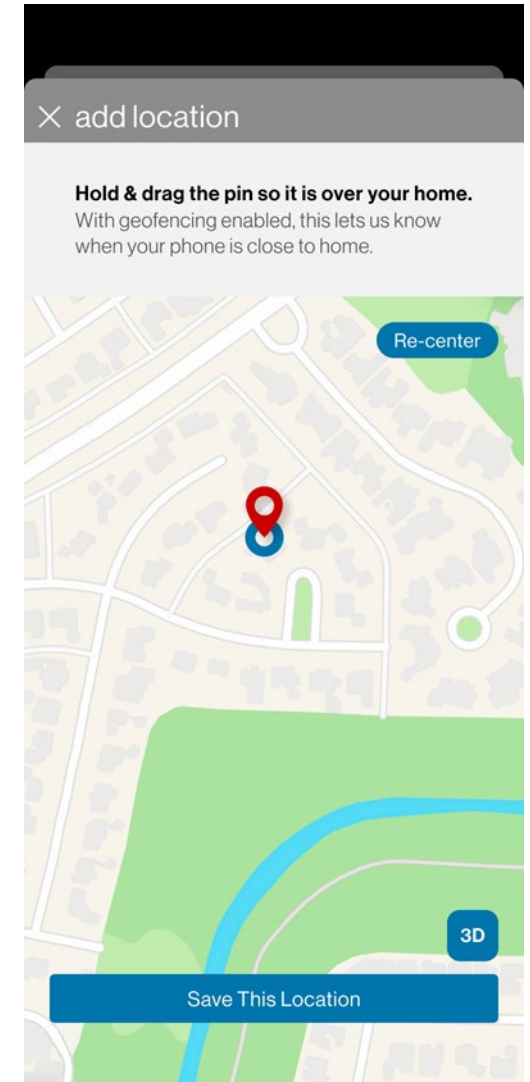
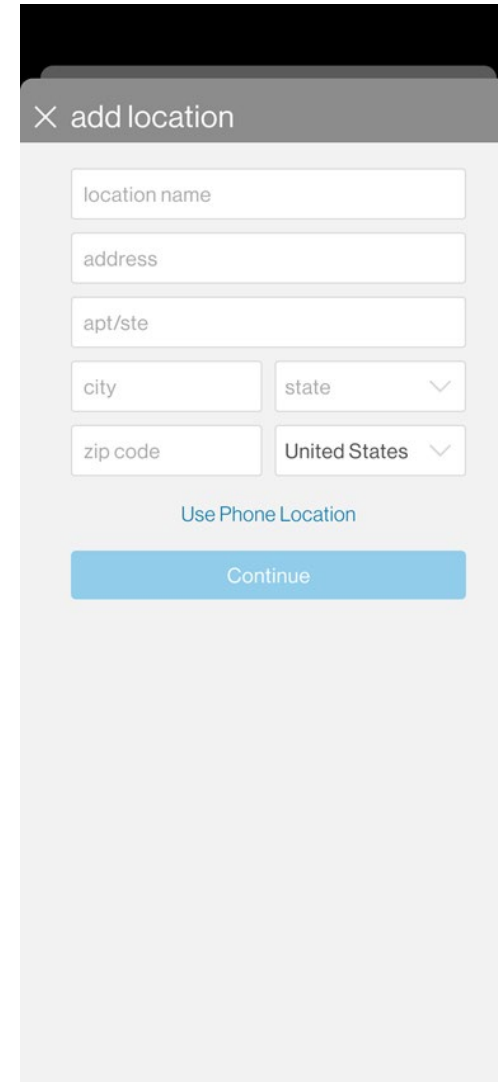
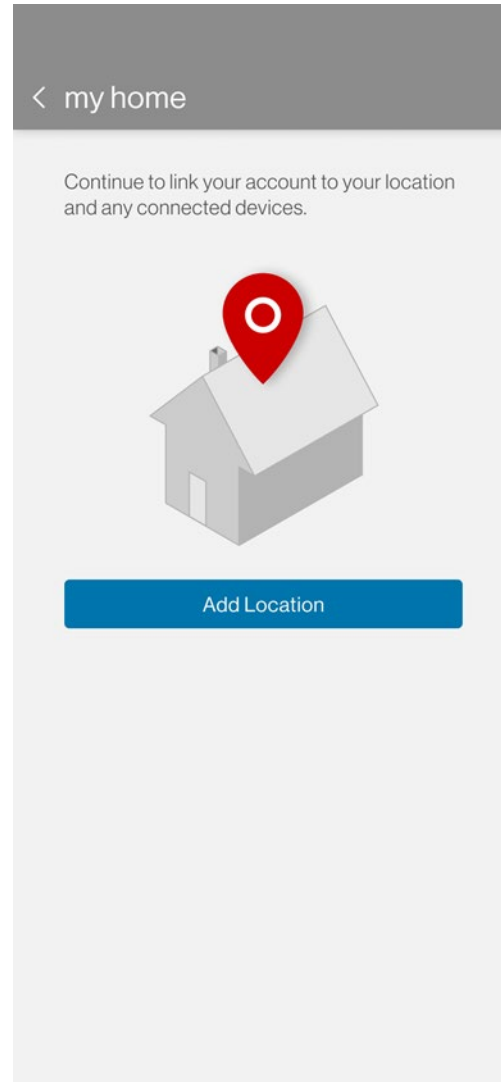
Confirming The Account

- You will be prompted to access the **email address** you provided when creating the account.
- A welcome email will appear in your inbox providing a **six-digit** code.
- Entering the six-digit code on your phone app. will allow you to continue.



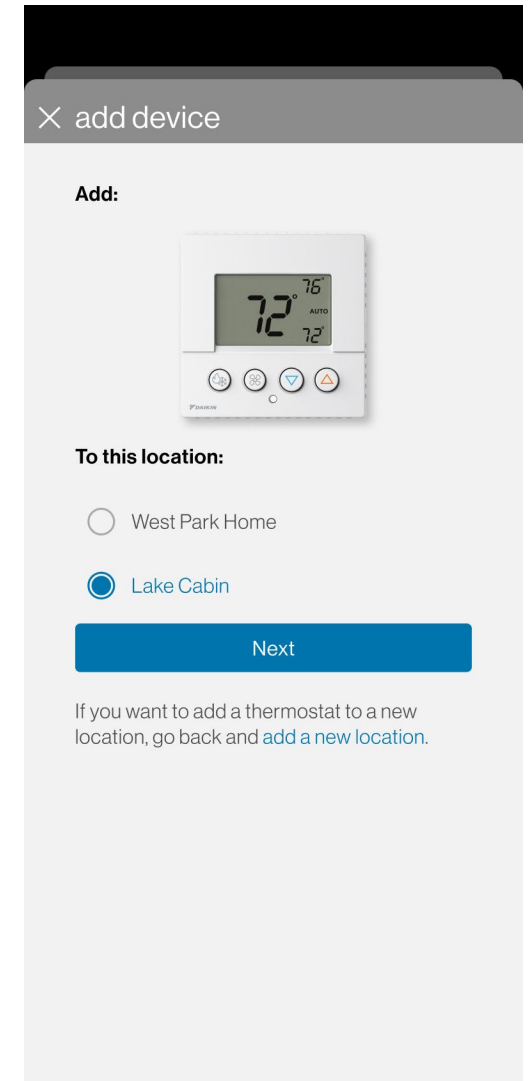
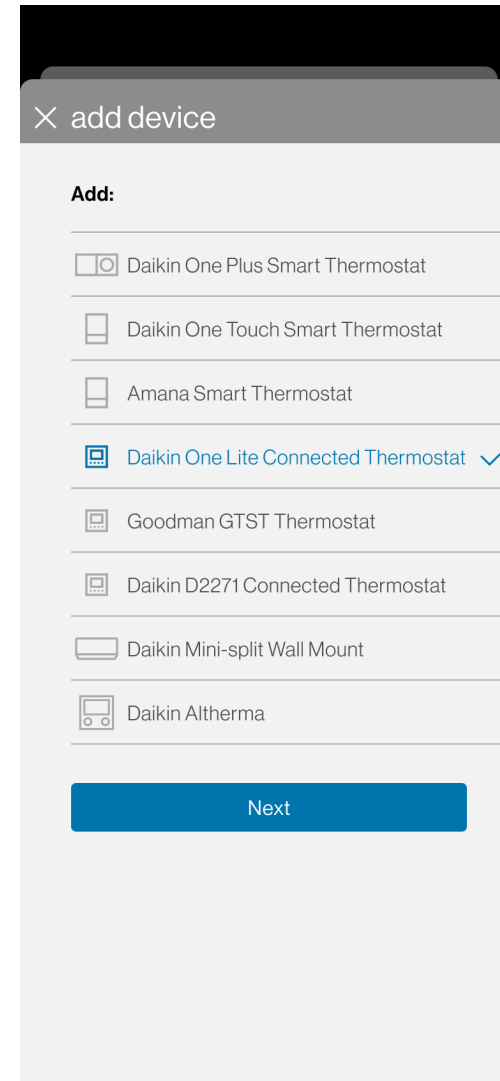
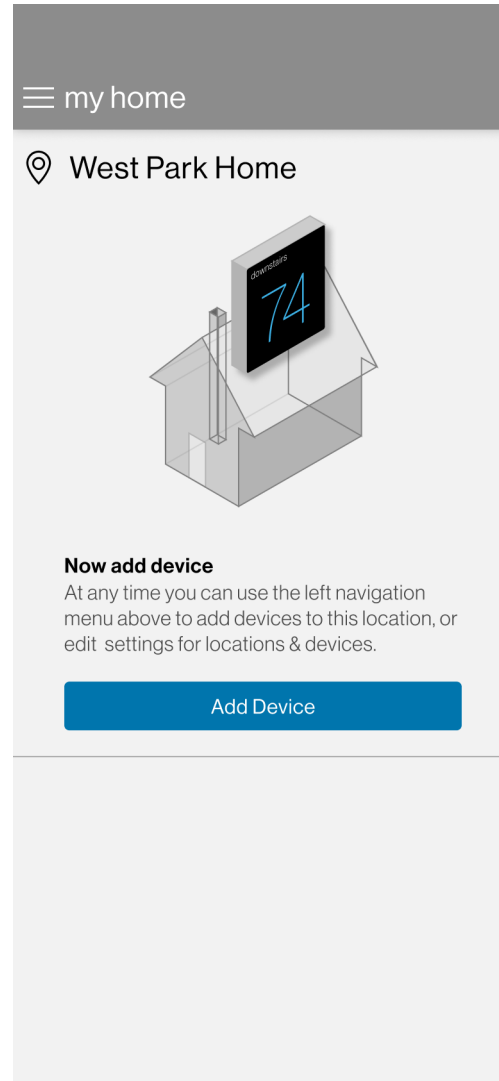
Adding The Thermostat's Location

- Tap the login button and enter the email and password associated to your mobile account and.
 - If you have forgotten your password, tap the forgot password link to recover information via email.
- Type the address of where the thermostat is located to gather accurate information.
- Click Save This Location



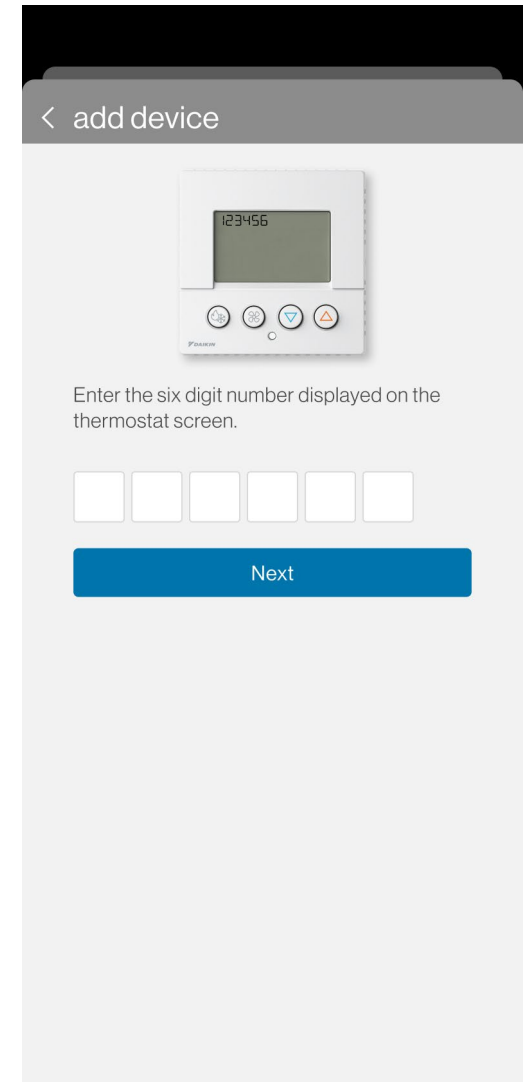
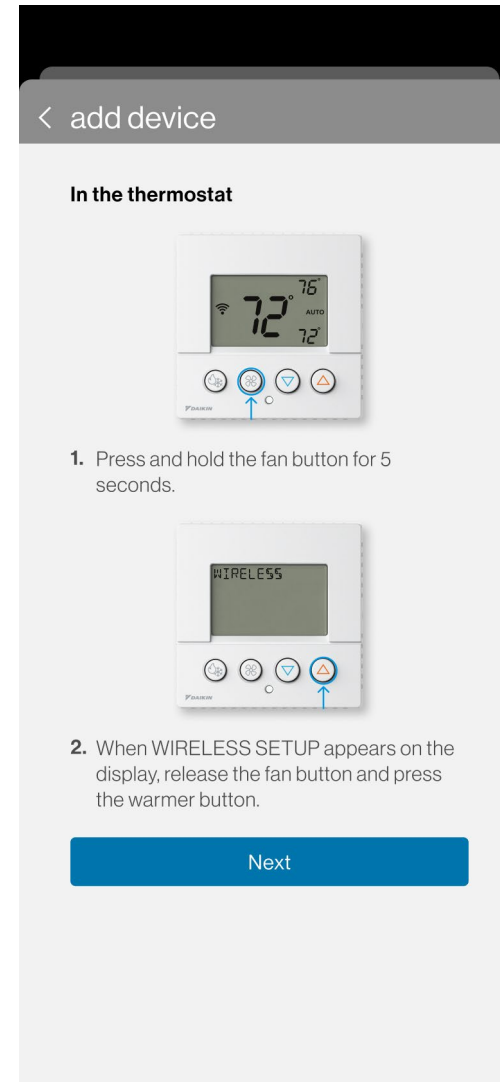
Connecting The App. To The Thermostat

- Tap the added location and select “add thermostat”.
- Once the thermostat has been selected in the app., press and hold the fan button on the thermostat until the words “wireless setup” appears.
 - Select next on the mobile app. after “wireless setup” appears.



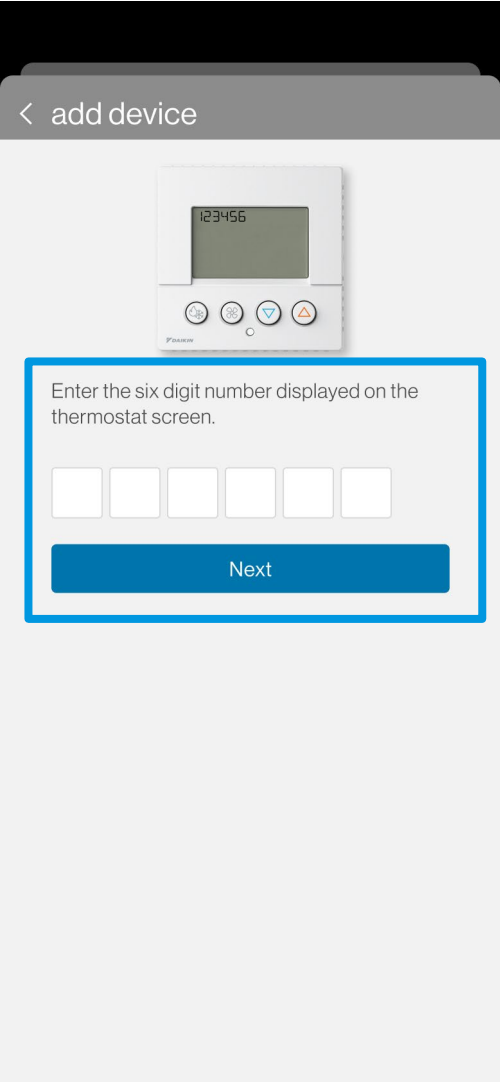
Connecting The App. To The Thermostat (Cont.)

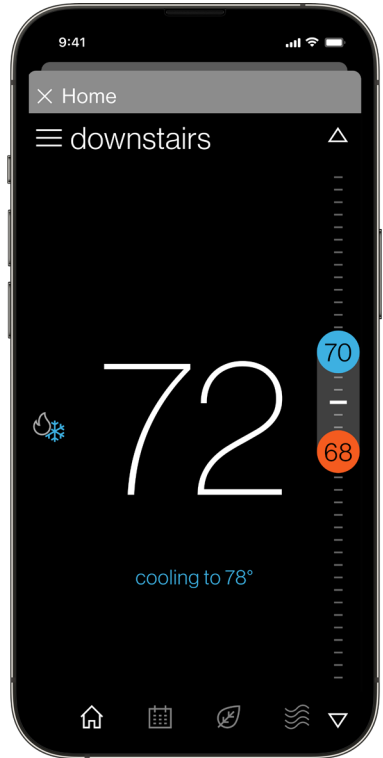
- On the thermostat, press the warmer button to reveal the six-digit code.
- Select next on the mobile app. after code appears.



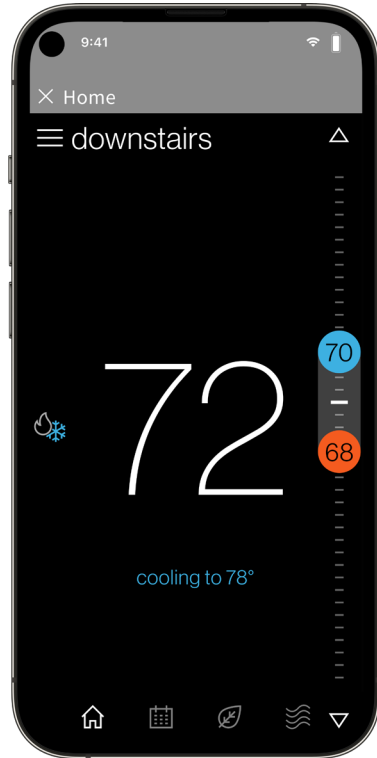
Connecting The App. To The Thermostat (Cont.)

- In the mobile app., enter the code displayed on the thermostat and select “add”.

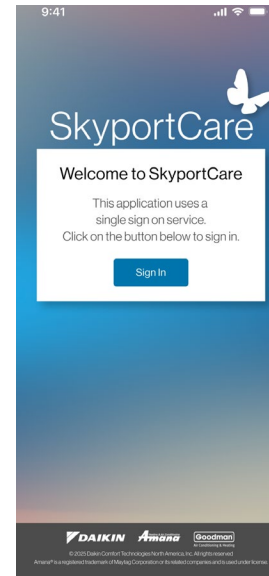
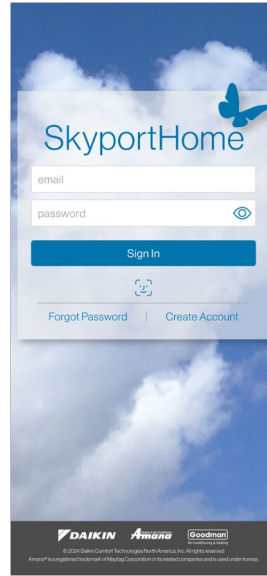




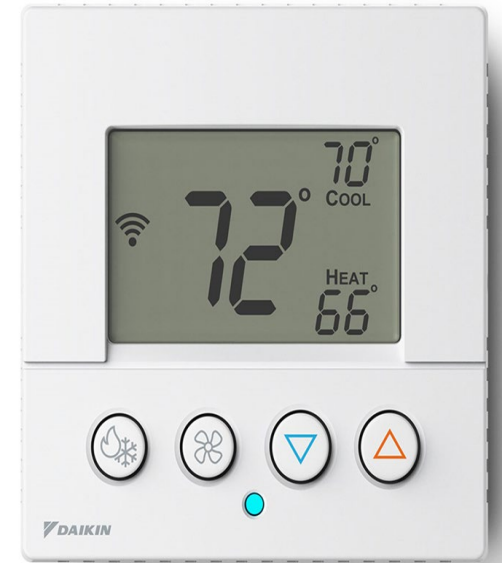
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■ Android



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