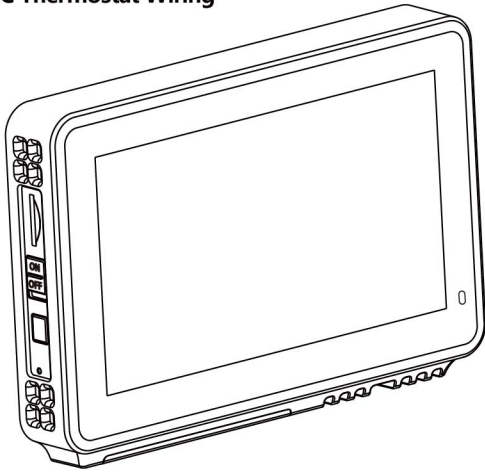


For the latest user guide, please visit  
[www.vinesmarthome.com](http://www.vinesmarthome.com)

**Warning: Failure to follow and read all instructions before installing or operating this device may cause personal injury and/or property damage.**

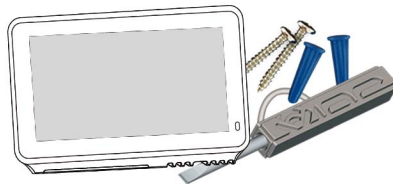
## Installation & User Manual

For 24V-AC Thermostat Wiring



### In the Box

- Wi-Fi Thermostat
- Two screws and anchors
- Flathead screwdriver
- Wire labels
- Jumper wire
- User manual



Some features require an internet connection and a user account. Features, specifications, and appearance are subject to change without notice.

PAGE 01

## Getting Started

This thermostat is designed to work on most 24V-AC low voltage heating and cooling systems such as gas and oil furnaces, heat pumps, and single-stage systems.

For conventional (gas/oil/propane/electric) and heat-pump systems.

- > 2-Heat & 1-Cool
- > Heat Only
- > Cool Only
- > Heat Pump W W/O Emerg. Heating or Aux. Heating

### C-Wire required to power the thermostat

If you're uncertain about your wiring, get Professional help please!

### Turn Power Off

Please turn off the furnace's main power at the switchbox before beginning the installation process.



**Warning:** Failure to turn off power may result in electrical shock and/or system damage.

### 1 Take a few Pictures



Before removing the old thermostat, take pictures of how it is connected to the wires from the wall plate. This will make the installing process of the Vine Thermostat much more simple and efficient. Send any questions about the old wiring connection along with an attached photo to our customer service support and image archive line: 1-925-922-3495.

PAGE 02

## 2 Remove the Old Thermostat

Before removing the wires from the thermostat or wall plate, take a photo of all wires for reference, then label each wire according to the terminal codes.

Disconnect the wires from the old thermostat one by one. **Do not let wires fall back into the wall.** Remember, the power to your HVAC system must be turned off.

After labeling the wires, we recommend securing them to an object such as a pen or clip to prevent them from falling back into the wall.



## 3 Connect the New Wall Plate

**Warning:** Use caution when securing and routing wires to prevent possible shortage to adjacent terminals.

Insert all wires vertically from the open socket into the proper terminal. Ensure each wire is inserted into the matching terminal (refer to the photo taken previously if needed). Pull wires gently to ensure wires are securely fastened.

When all wire connections have been completed, place any surplus wireage back inside the wall.

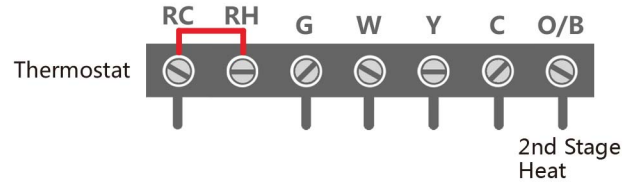
\*For the heat pump system, if the old thermostat has separate wires for Aux-Heating and Emergency-Heating, twist the wires together and connect them to the W/E terminal.

The following are typical wiring diagrams for common systems:

<b>RC</b>	- Power Heating
<b>RH</b>	- Power Cooling
<b>G</b>	- Fan
<b>W</b>	- Heating (conventional system) - Emergency/Aux. Heating (Heat Pump)
<b>Y</b>	- Cooling
<b>C</b>	- Power
<b>O/B</b>	- Reversing Valve (conventional system) - 2nd Stage Heating (Heat Pump)

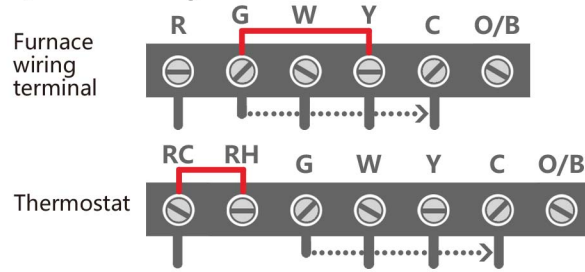
Remove jump wire when both RC & RH wires are available.

### Conventional Heating/Cooling system with C wire

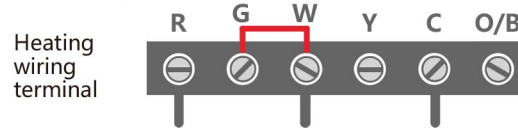


### Conventional system without the C or spare wire (also commonly called a 4-wire system)

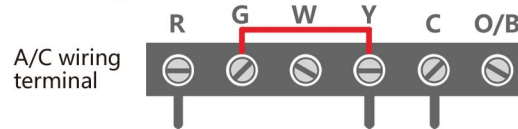
- 1) At the thermostat, connect C with the G wire;
- 2) **At the furnace's wiring terminal**, move the G wire to the C terminal, then use the included jumper wire to connect G with Y.
- 3) With this configuration the thermostat will have no fan control.



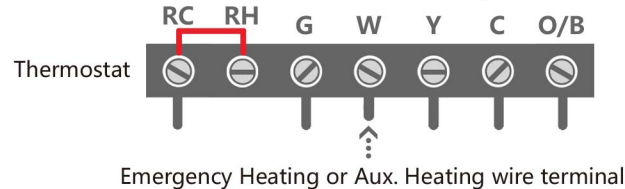
### Heat only 3-Wire system



### Cool only 3-Wire system



### Heat Pump with or without Emergency/Aux. Heating



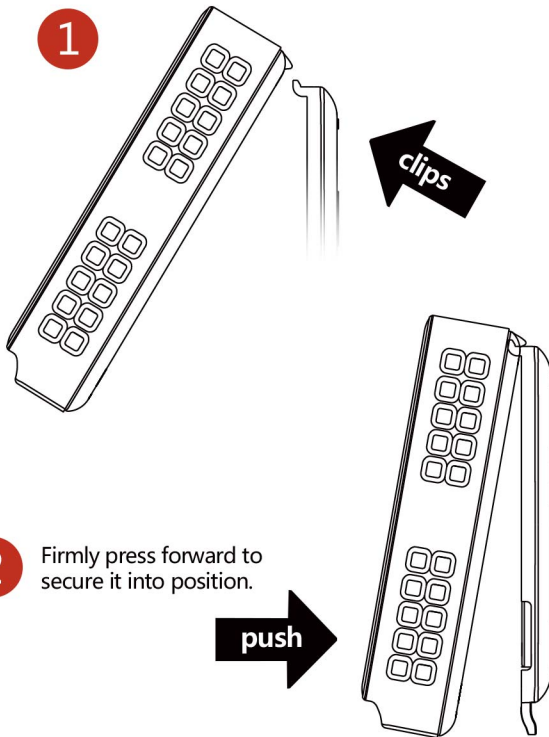
## 4 Mount the New Wall Plate

Use the enclosed screws and anchors to mount the new wall plate. In most cases, you can utilize the same mounting position of your old thermostat. Be sure to check the alignment of your wall plate pre and post installation of the thermostat unit.



## 5 Attach Thermostat to the Wall

First align the two clips on the back of the TJ-919B into the corresponding slots on the top of the wall plate.



## 6 Power On and Enjoy!

Ensure the C-wire (if used) is properly connected to the furnace and thermostat. Properly secure and lock the furnace door into place. Switch the power back on for the heating/cooling system at the main switch box.

If you have done everything correctly, your thermostat should power on and prompt you to start the setup. If you are having trouble, please refer to our help guide for additional support.

Thank you for choosing Vine Smart Home. Enjoy the savings and comfort of owning one of our smart thermostats!

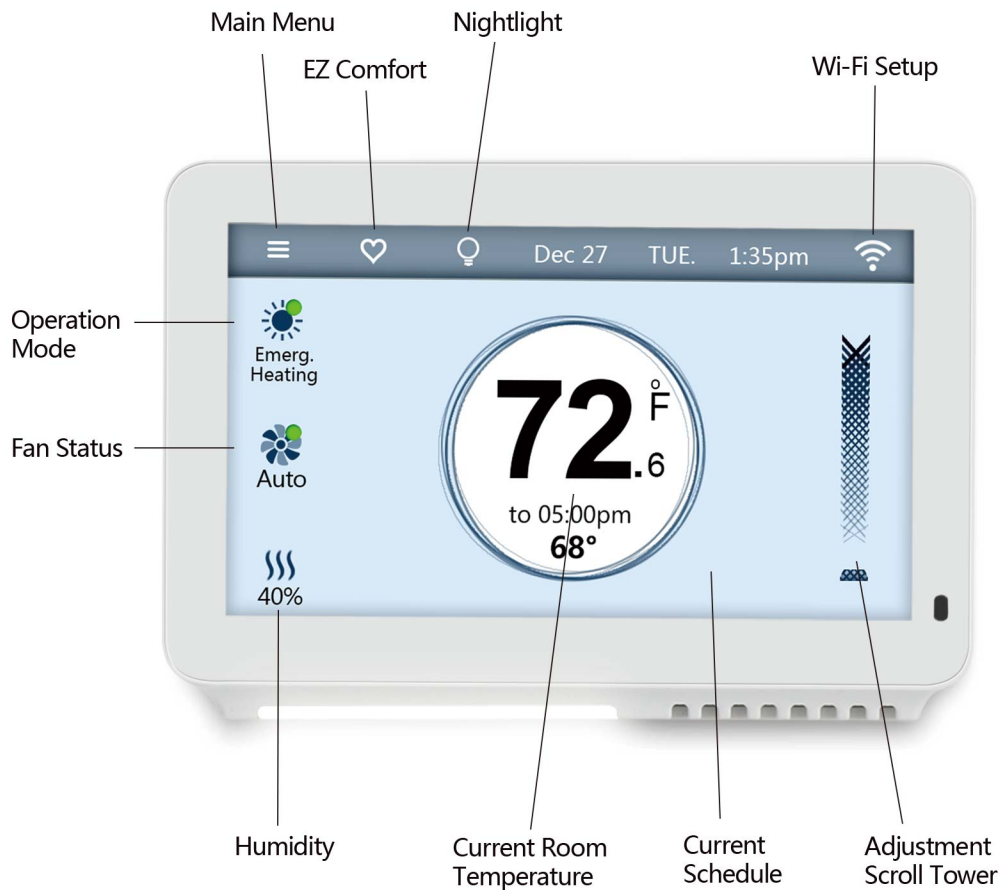


After the thermostat has been installed, send a picture of it to our customer service support and image archive line: 1-925-922-3495. We would love to see how it looks!

Help needed? Give us a call

**800-264-3457**

## Main Screen



## Initialization

For a quick and easy way to begin using your new smart thermostat, the device will automatically direct you to the Initialization Setup process once it's turned on for the first time.

### MENU ACCESS

#### Initialization

- > Main Menu
- > Settings
- > Direct Access
- > Initialization

### 1. Date, Time

**ON DEVICE:** Though there is no restriction for any date and time you set as current, please enter your location's current date and time to avoid any confusion; once the device is registered or linked to a user account, the date and time on the device will automatically update to the current time associated with the user account.

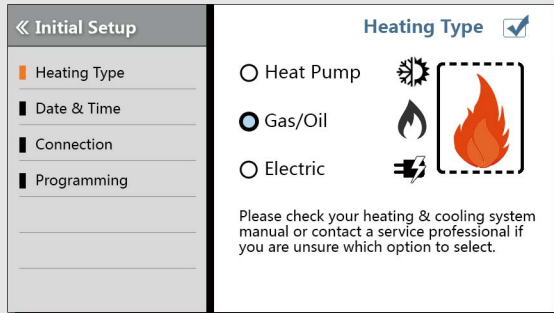
The screenshot shows the 'Date & Time' settings screen with the following details:

- Title:** Date & Time (with a checkmark icon)
- Subtitle:** Only current date & time allowed
- Time:** 12 : 00 AM (with a 24-HOUR checkbox and up/down arrow icons)
- Date:** 2018 01 01 (with up/down arrow icons)
- Date Format:** MM/DD/YYYY (with an up/down arrow icon)

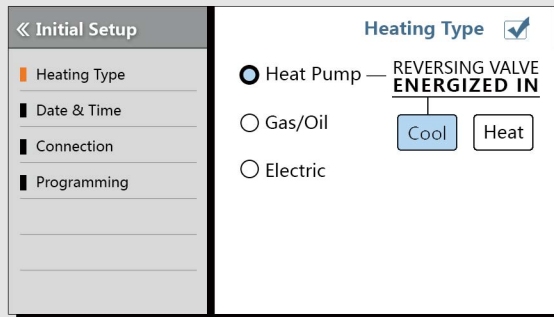
**APP or WEBPAGE:** The date and time for the device as well as the user account will automatically update by selecting the time zone for the device.

## 2. Heating Type

Select your home's heating type from the options available:  
**Heat Pump, Gas/Oil, or Electric**



**Heat Pump system?** You must also select Cool or Heat for the reversing valve to be energized in.

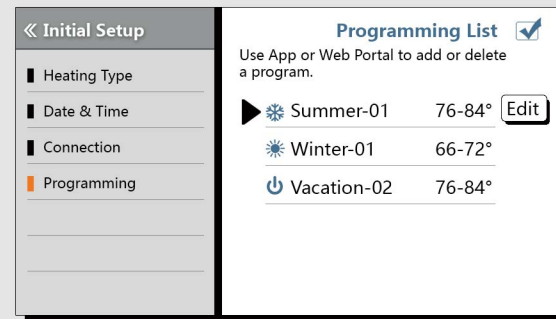


This thermostat doesn't support Fan-Coil or multi-stage heating/cooling systems.

Please check your heating and cooling system manual or consult with a professional HVAC technician if you do not know which option to select.

## 3. Programming

The TJ-919B comes with two default programs (**Summer-01 and Winter-01**) for your convenience; select the one that fits your current needs. More programs can always be added using the App or Web Page.



## 4. Wi-Fi Setup

You must have a proper Wi-Fi connection in order to access smart features such as App remote access, weather forecast and more. Please follow on-screen instructions to complete the Wi-Fi setup. More information on Wi-Fi connections can be found on the next page.

After a successful connection, the message that the device has not been registered by any user will be shown. You can now add the device to a user account after downloading the App and setting up an account.

### MENU ACCESS

#### Date & Time

Main Menu -> Setting -> Date & Time

#### Heating Type

Main Menu -> Setting -> Heating Type

#### Mode

Home Screen -> Mode

#### Wi-Fi Setup

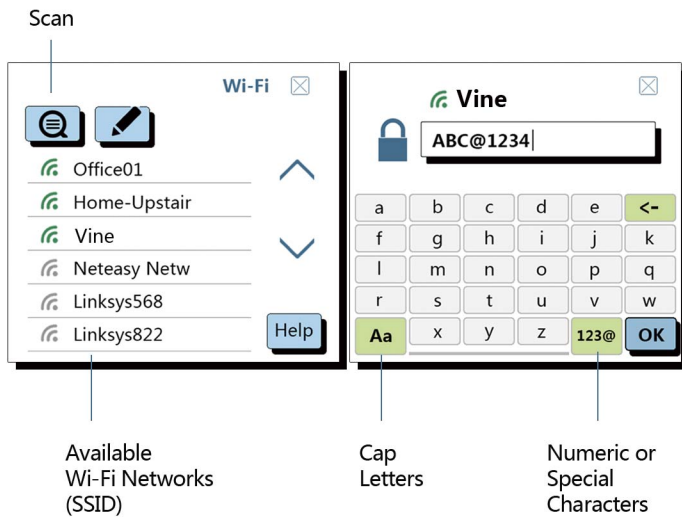
Main Menu -> Connection -> Wi-Fi

# Wi-Fi Setup

## Wi-Fi Connection



Tap the Wi-Fi icon to enter the Wi-Fi setup screen, then tap the Scan icon to generate available Wi-Fi networks. Follow on-screen instructions to complete the Wi-Fi setup.

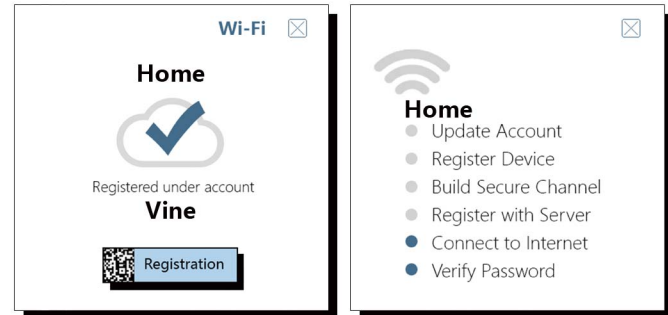


If no password is required, press OK to continue.

The following may cause a failed connection to the device:



- 1) Wi-Fi signal is too weak or 5G Wi-Fi network;
- 2) Double check your password and try again;
- 3) Wi-Fi is okay but your internet is unavailable;
- 4) Requires additional webpage authentication, such as many public free wi-fi hotspot.



After a successful connection, an account ID will appear for the network the device has been added to.



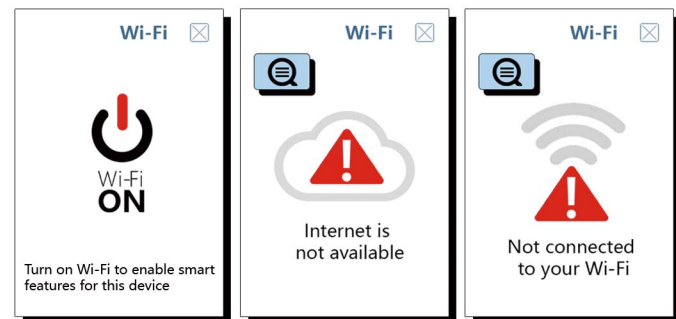
For an unregistered device, it will display the message that the device needs to be registered.

Follow instructions on the next page to add the device to your account after downloading the App and setting up an account.

## Auto Reconnect

If your device loses connection with your wireless network, it will automatically attempt to reconnect after five minutes. If that fails, it will make a new attempt every 15 minutes for the next 24 hours. Any manual operation of the thermostat will stop automatic reconnection attempts.

Wi-Fi can be manually turned off or on. Turning off your Wi-Fi will also disable the internet connection and all smart features, including App access to the device.



Members of a family need to share an account in order to gain access to the thermostat.

## App Setup

Congratulations! You are now ready to use the thermostat. Now set up your App to enjoy exciting smart features.

### Step 1: Download

#### iOS / Android App Download

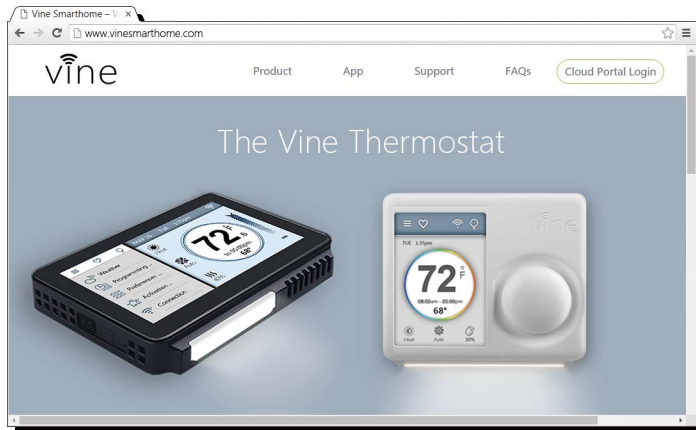


There are three ways to download the Vine App for your smart device:

- 1) Search **Vine Smart Control** in the App Store or Google Play Store, then download;
- 2) Use your smart device to scan the QR code on the left for an automatic download;
- 3) Go to [www.vinesmarthome.com](http://www.vinesmarthome.com), click **App** from the menu to download.

### Step 2: Create a User Account

After installing the App onto your smart phone or touch pad, create a user account. The user account can also be created through the home page on our website.



### Step 3: Add Device to your Account



Log in to your account: tap "Add Device" on the device list screen, then simply follow on-screen instructions in the App or Webpage to complete this task. You will be asked to enter the MAC-ID and the Temporary Verification Code.

#### Wi-Fi Status Screen

##### MENU ACCESS

- > Main Menu
- > Wi-Fi Connection
- > Registration Info.

### MAC-ID and Verification Code



Once the device is connected to the internet, you'll be able to read the **Temporary Verification Code (TVC)** and **MAC ID** from the Wi-Fi Status screen.

Tap the TVC code to generate a new one when the previous code expires.

The MAC ID is a unique network ID for this device; this helps to identify your device over the internet.

The Temporary Verification Code (TVC) is a 4-digit code randomly generated each time you enter this screen. It expires after 90 seconds, upon which a new one will be needed.



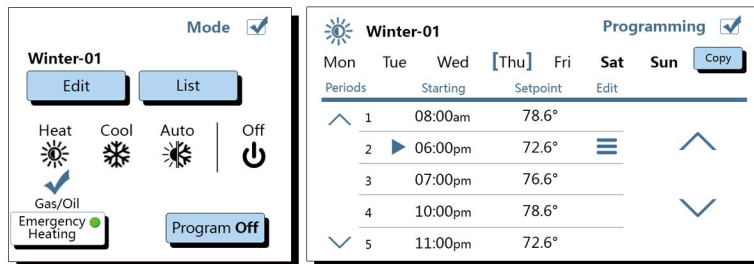
During technical support, the TVC also functions as the verification of "the user currently in possession of the device".

Scan the QR code on the screen for your convenience

## Mode Setup



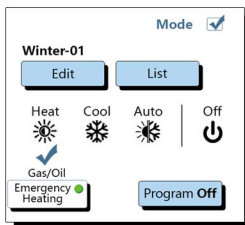
Tap the system mode icon on the home screen to enter Mode Setup, then tap **Program** or go to **Main Menu -> Preference -> Programming**



Please note that your device is always “running a program” and the current operation mode is part of that program. Thus, to change the current mode will also update the mode setting in the current program.



You can opt to turn the System Off to shut down all HVAC operations including fan operation.



The mode selection is for the current program (Winter-01) as a whole. You can't assign different modes within a program.

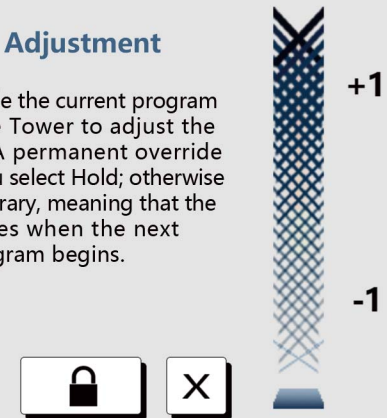
Tap “Programs” to enter the Programming screen (detailed instructions shown on the next page).

Tap “List” to enter a list of available programs on your account from the Cloud. From there, you can switch to a different program.

## Programming

### Temporary Adjustment

You can override the current program by tapping the Tower to adjust the temperature. A permanent override will ensue if you select Hold; otherwise it will be temporary, meaning that the override expires when the next scheduled program begins.



### Programming with the App

From the main menu in the App, select programming:

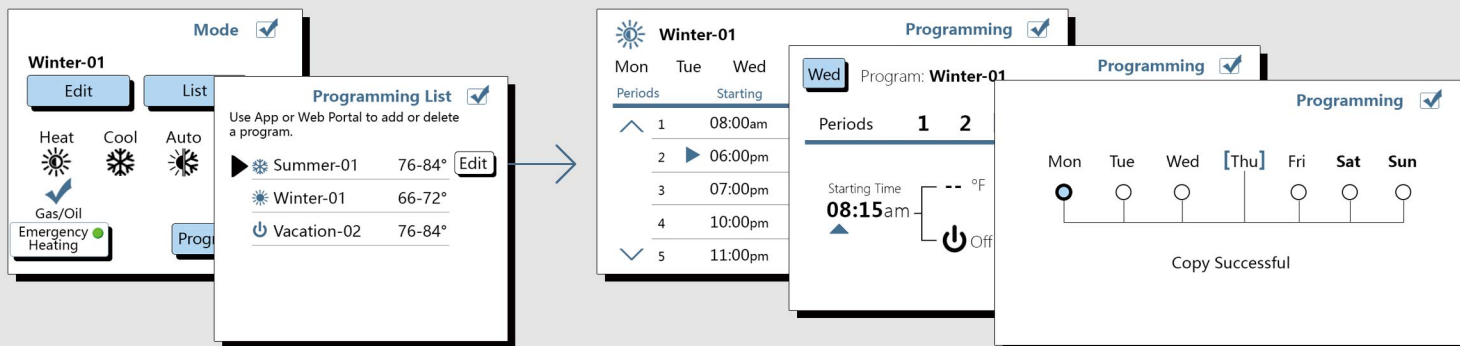
- 1) Tap a day of the week;
- 2) Scroll left and right to the column you want to change;
- 3) Simply drag the color bar Up and Down to change the temperature;
- 4) To create a new setpoint, tap on a time column, then move the rest of the color bar section up and down;
- 5) To delete a setpoint, merge the color bar with the one before or after.



## Programming on the Thermostat

Home Screen -> Mode Setup -> Current Mode -> Programs

Tap "Programs" to enter a Program's Daily Programming screen, then select the day or group of days you want to program.



**VIEW:** View the program in either Graphic or List View.

**SET:** Set up specific setpoints (temperature and time).

**COPY:** Copy the setpoints to other days of the week.

### Program List:

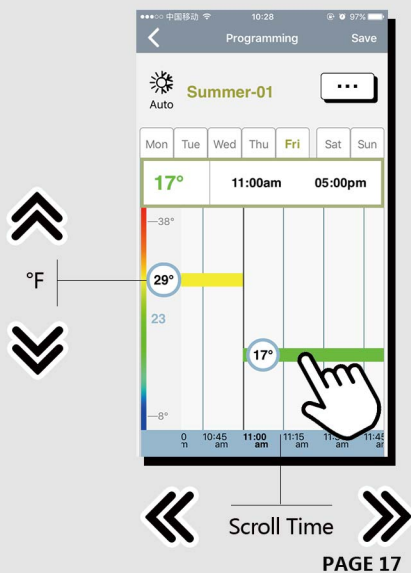
There are only two default programs available for selection when the device is offline. Please follow instructions on the App or Webpage to create new programs or to delete an existing one.

### Programming Steps:

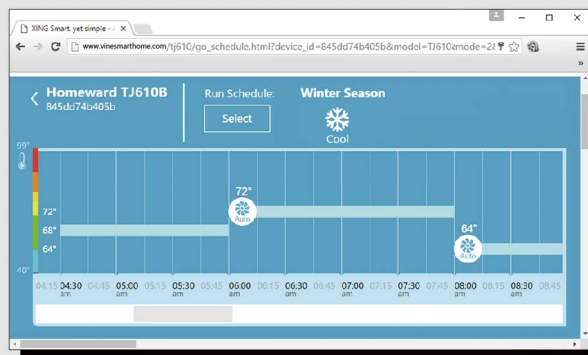
- STEP 1:** Select a **period** (total of 8 available per day) to change.
- STEP 2:** Set **Starting** Time increments by 15-minute intervals.
- STEP 3:** Select desired **temperature** or system off for the period.

**INSERT** Inserts a new period before the current one.

**DELETE** Deletes the current period, merging the time with the next period.



### Webpage Programming



Log in to your account on the Webpage, select Programming from the user menu:

- 1) Select a program, then tap a day
- 2) Scroll left and right to the column you want to change;
- 3) Simply drag the color bar Up and Down to change the temperature;
- 4) To create a new setpoint, tap on a time column, then move the rest of the color bar up and down;
- 5) To delete a setpoint, merge the color bar with the one before or after.

## Additional Features



**Nightlight** Nightlight can be programmed to turn on and off on a fixed daily schedule.

**Screen** There are 3 levels of screen brightness.

**EZ Comfort** EZ Comfort allows you to choose from four adjustable presets for your convenience. Tap the heart icon on the home screen to enter the EZ Comfort screen.

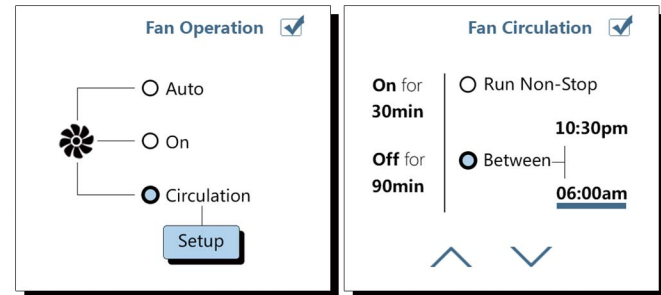


### Weather Forecast

The weather forecast is based on the physical location of the thermostat.

When you use the App to add the device to your account, the location will automatically be assigned. You can also assign or change the location after you log in to your account on the App or webpage.

## Fan Operation



**Auto** Fan will follow heating and cooling operations.

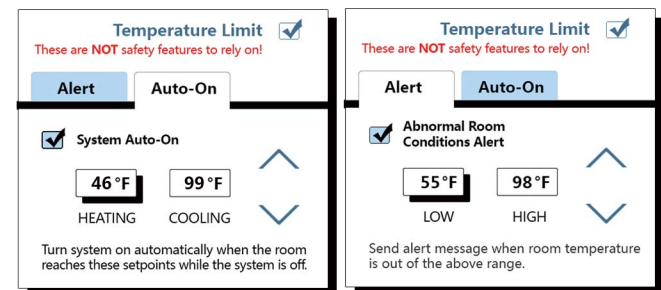
**On** Fan runs non-stop for 24 hours\*.

**Circulation** Fan runs on and off regularly in addition to heating and cooling operations\*.

**Setup** Click it to define the time length and schedule.

\*If the G wire was substituted for the C wire during installation, the Fan-On & Circulation options will not function.

## Temperature Alerts and Auto-On



**Alert** Send alert message when room temperature is out of the range between high and low.

**Auto-On** Turn system on automatically when the room reaches these setpoints while the system is off.

Messages will be sent to your account and can be viewed on the device, App and Webpage.

## Action Code

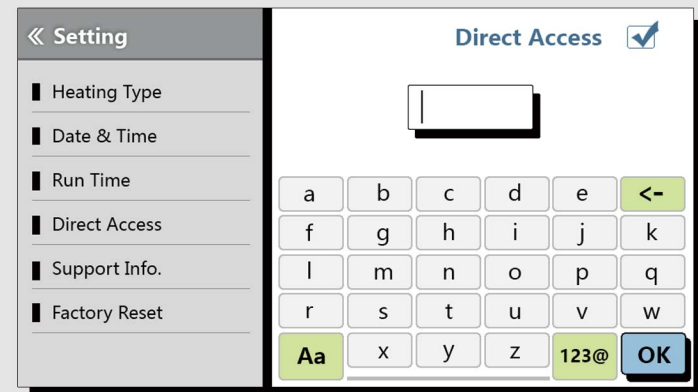
Action Code provides direct access to many common features; it is also the entry point to many advanced features. Some features are designed for professionals who want to utilize the device for better accessibility.

- SI** Auto-mode Switch band  
Display hardware and software and other info for the device
- AI** Account Information  
Information about user who registered this device
- PM** Parameter Modifier  
Advanced settings for system key parameters
- SC** Sensor Calibration  
Calibrate temperature reading on device
- SU** System Update  
Manually update system software
- WF** Wi-Fi Option  
Turn on/off Wi-Fi to enable/disable Internet connection
- IP** IP Address  
Change IP address of server access
- RS** Factory Reset  
Reset device settings to factory default
- IS** Initial Setup  
Step by step guide to setup the thermostat for the first time
- WRS** Wi-Fi Reset  
Reset Wi-Fi module to factory default

**\* For Professional Operation Only**  
Professional Access Code:

3141919

## Action Codes



**YouTube Channel**  
Vine Smart Home

**Email**  
info@vineconnected.com

**www.vinesmarthome.com**

**Telephone**  
1-800-264-3457 (9am-5pm PST)

**dba Vine Smart Home**  
Pleasanton, California USA

**THIS DOCUMENT CONSISTS OF IMPORTANT LIMITED WARRANTY INFORMATION REGARDING YOUR CLAIMS AND ACCOUNTABILITY, AS WELL AS RESTRICTIONS AND EXCLUSIONS THAT MAY APPLY TO YOU.**

**1. WHAT THIS LIMITED WARRANTY ENTAILS; DURATION OF COVERAGE**

Xing Connected, Pleasanton, California USA, warrants to the owner of the enclosed product that the product contained in this box will be free from defects in materials and workmanship for a period of two years from the date of delivery following the original retail purchase. If the Product fails to conform to this Limited Warranty during the Warranty Period, Xing Connected will, at its sole discretion, either (a) repair or replace any defective Product or component; or (b) accept the return of the Product and refund the money actually paid by the original purchaser for the Product. Repair or replacement may be made with a new or refurbished product or components, at Xing Connected's sole discretion. If the Product or a component incorporated within it is no longer available, Xing Connected may, at its sole discretion, replace the Product with a similar product of similar function. This is your sole and exclusive remedy for breach of this Limited Warranty. Any Product that has either been repaired or replaced under this Limited Warranty will be covered by the terms of this Limited Warranty for the longer of (a) ninety days from the date of delivery of the repaired Product or replacement Product, or (b) the remaining Warranty Period. This Limited Warranty is transferable from the original purchaser to subsequent owners, but the Warranty Period will not be extended in duration or expanded in coverage for any such transfer.

**2. TOTAL SATISFACTION RETURN POLICY**

If you are the original purchaser of the Product and you are not satisfied with this Product for any reason, you may return it in its original condition within thirty days of the original purchase and receive a full refund.

**3. WARRANTY TERMS; HOW TO RECEIVE SERVICE IF YOU WANT TO CLAIM UNDER THIS LIMITED WARRANTY**

Before making a claim under this Limited Warranty, the owner of the Product must (a) notify Xing Connected of the intention to claim by visiting [vinesmarthome.com/support](http://vinesmarthome.com/support) during the Warranty Period and providing a description of the alleged failure, and (b) comply with Xing Connected's return shipping instructions. Xing Connected will have no warranty obligations with respect to a returned Product if it determines, in its reasonable discretion after examination of the returned Product, that the Product is an Ineligible Product (defined below). Xing Connected will bear all costs of return shipping to owner and will reimburse any shipping costs incurred by the owner, except with respect to any Ineligible Product, for which owner will bear all shipping costs.

**4. WHAT THIS LIMITED WARRANTY DOES NOT COVER**

This Limited Warranty does not cover the following (collectively "Ineligible Products"): (i) Products marked as "sample" or "Not for Sale", or sold "AS IS"; (ii) Products that have been subject to: (a) modifications, alterations, tampering, or improper maintenance or repairs; (b) handling, storage, installation, testing, or use not in accordance with the User's Guide or other instructions provided by Xing Connected; (c) abuse or misuse of the Product; (d) breakdowns, fluctuations, or interruptions in electric power or the telecommunications network; or (e) Acts of God, including but not limited to lightning, flood, tornado, earthquake, or hurricane; or (iii) any non-Xing Connected branded hardware products, even if packaged or sold with Xing Connected hardware. This Limited Warranty does not cover consumable parts, including batteries, unless damage is due to defects in materials or workmanship of the Product, or software (even if packaged or sold with the product). Xing Connected recommends that you use only authorized service providers for maintenance or repair. Unauthorized use of the Product or software can impair the Product's performance and may invalidate this Limited Warranty.

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**6. LIMITATION OF DAMAGES**

IN ADDITION TO THE ABOVE WARRANTY DISCLAIMERS, IN NO EVENT WILL XING CONNECTED BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, EXEMPLARY, OR SPECIAL DAMAGES, INCLUDING ANY DAMAGES FOR LOST DATA OR LOST PROFITS, ARISING FROM OR RELATING TO THIS LIMITED WARRANTY OR THE PRODUCT, AND XING CONNECTED'S TOTAL CUMULATIVE LIABILITY ARISING FROM OR RELATED TO THIS

LIMITED WARRANTY OR THE PRODUCT WILL NOT EXCEED THE AMOUNT ACTUALLY PAID FOR THE PRODUCT BY THE ORIGINAL PURCHASER.

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**8. YOUR RIGHTS AND THIS LIMITED WARRANTY**

This Limited Warranty gives you specific legal rights. You may also have other legal rights that vary by state, province, or jurisdiction. Likewise, some of the limitations in this Limited Warranty may not apply in certain states, provinces or jurisdictions. The terms of this Limited Warranty will apply to the extent permitted by applicable law. For a full description of your legal rights you should refer to the laws applicable in your jurisdiction and you may wish to contact a relevant consumer advisory service.

# LIMITED WARRANTY

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