

# sinopé

Smart Thermostat for Baseboard Heating

## Installation guide

TH1143WF / TH1144WF



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# Included in the box

Inside the box, you will find:



1 x TH1143WF or TH1144WF thermostat



2 x mounting screws



2 x wire connectors



Welcome guide

## Tools required

Square or flat screwdriver

Wire stripper (optional)

Pliers (optional)

# Your Smart Thermostat



# Technical specifications

<b>Operating voltage</b>	120 / 208 / 240 Vac, 60 Hz
<b>Maximum load TH1143WF thermostat</b>	12.5 A / 3000 W @ 240 Vac 12.5 A / 1500 W @ 120 Vac
<b>Maximum load TH1144WF thermostat</b>	16.7 A / 4000 W @ 240 Vac 16.7 A / 2000 W @ 120 Vac
<b>Minimum load</b>	1.25 A / 300 W @ 240 Vac 2.5 A / 300 W @ 120 Vac
	Resistive load only
<b>Dimensions (W x H x D) TH1143WF thermostat</b>	83.61 mm (3.29 in) x 127.25 mm (5 in) x 29.6 mm (1.17 in)
<b>Dimensions (W x H x D) TH1144WF thermostat</b>	115 mm (4.53 in) x 127.25 mm (5 in) x 32 mm (1.26 in)
<b>Setpoint range</b>	5 °C to 30 °C (41 °F to 86 °F)
<b>Display range</b>	0 °C to 50 °C (32 °F to 99 °F)
<b>Storage</b>	-20 °C to 50 °C (-4 °F to 122 °F)
<b>Operation</b>	0 °C to 50 °C (32 °F to 122 °F)
<b>Resolution</b>	± 0.5 °C (± 1 °F)
<b>Communication</b>	Protocol: Wi-Fi Standard: IEEE 802.11 b/g/n Frequency: 2.4 GHz Encryption key: AES-128
<b>Communication module</b>	IC: 21098-ESPWROOM32E FCC ID: 2AC7Z-ESP32WROOM32E
<b>Certifications</b>	CSA-C282-19 Performance Conforms to CAN/CSA STD 22.2 nos, E60730-1-5 & E60730-2-9 FCC CFR 47 Title 15 Class B CAN ICES-3(B)/NMB-3(B)
<b>Warranty</b>	3 years

# Installation and configuration

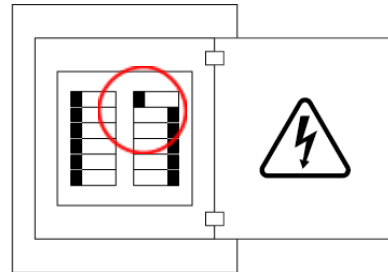
## Warnings

The installation of this thermostat must be performed by a certified electrician and comply with the national and local electrical codes and regulations.

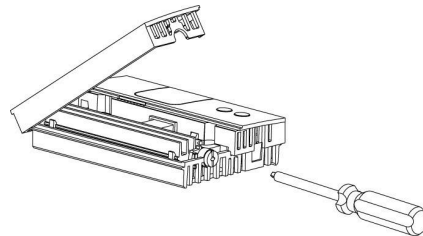
**Special CO/ ALR solderless connectors must be used** when connecting with aluminum conductors.

## Installation

- 1 Turn off the power.**  
Before beginning the thermostat installation, ensure the circuit is powered off at the electrical panel to avoid any risk of electrical shock.



- 2 Unlock the thermostat** with the screwdriver, then lift the thermostat cover to access the mounting screw holes.



- 3** Use the connectors provided to **connect the thermostat wires** to the wires in the electrical box.

**Note:** The thermostat wires are non-polarized, meaning either wire can be connected to L1 or L2.

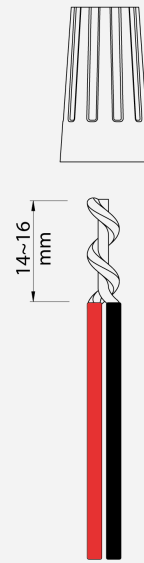
Ensure the wire connectors are tightened firmly for a secure connection. A loose connection can pose a fire hazard.

To install wire connectors, follow these steps:

1. Insert the two wires into the wire nut so that their copper ends are aligned parallel to each other.
2. Turn the wire connector clockwise until there is strong tension.
3. Pull on the wires to ensure they are secure, leaving no gaps between them. \* If the wires seem to come loose, repeat the process.

### **Warning**

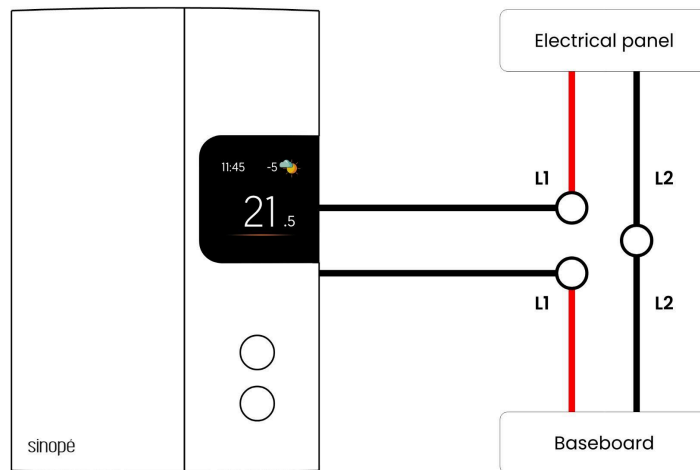
Improperly installed electrical wires could burn the wire connectors.



## 240 V installation

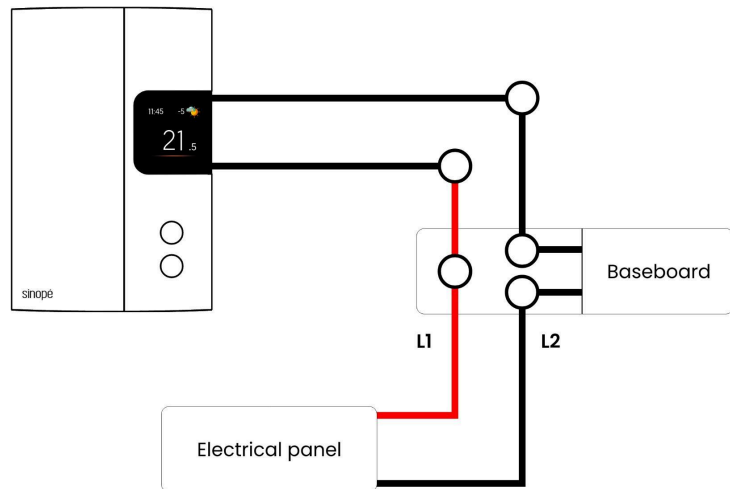
### 4-wire installation

- A. Connect one of the **thermostat's wires** to the **L1 (electrical panel)** red wire using one of the provided wire connectors.
- B. Connect the **other thermostat's wires** to the **L1 (baseboard)** red wire with a wire connector.
- C. Connect the **L2 black wires** (from the electrical panel and baseboard) together using a wire connector.



## 2-wire installation

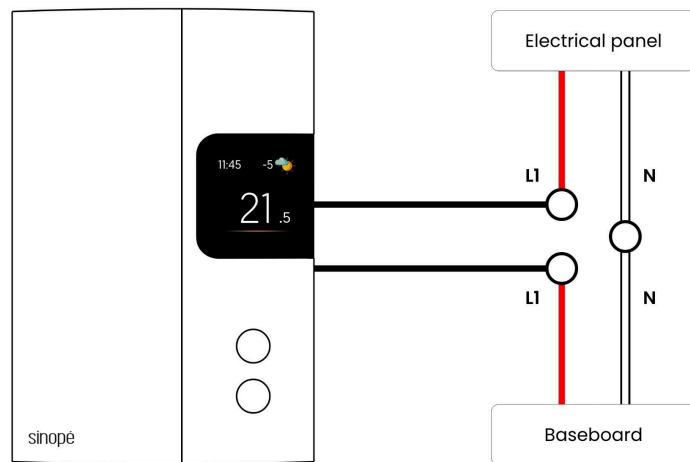
- A. Connect **one of the thermostat's wires** to the **L1 (baseboard)** red wire using one of the provided wire connectors.
- B. Connect **the other thermostat's wire** to the **L2 (baseboard)** black wire with a wire connector.



## 120 V installation

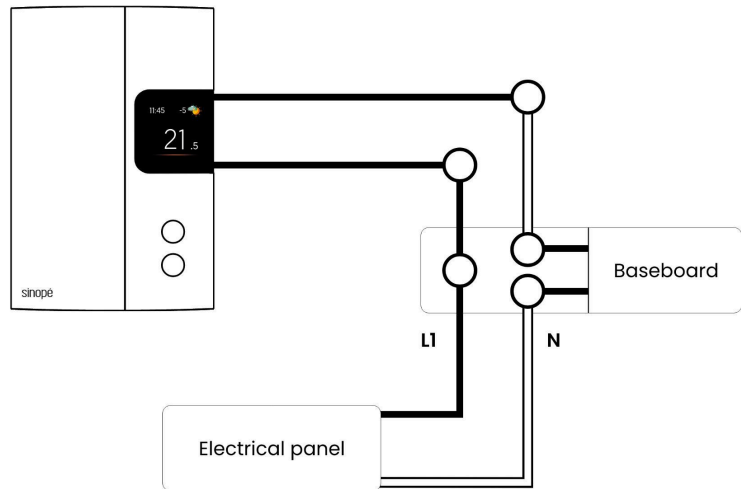
### 4-wire installation

- A. Connect **one of the thermostat's wires** to the **L1 (electrical panel)** black wire using one of the provided wire connectors.
- B. Connect **the other thermostat's wires** to the **L1 (baseboard)** black wire with a wire connector.
- C. Connect the **N wires** (from the electrical panel and baseboard) together using a wire connector.

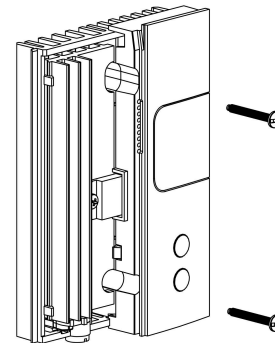


## 2-wire installation

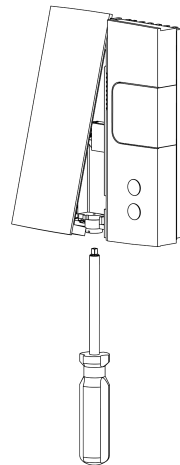
- A. Connect **one of the thermostat's wires** to the **L1 (baseboard)** black wire using one of the provided wire connectors.
- B. Connect **the other thermostat's wire** to the **N (baseboard)** white wire with a wire connector.



- 4** Use the mounting screws to secure the thermostat to the electrical box.



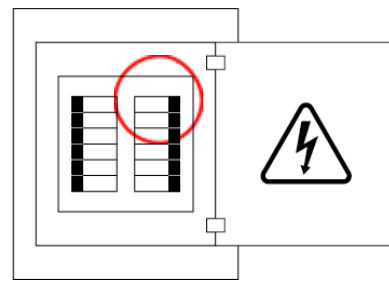
- 5** Replace the cover and lock it in place.



- 6** Power up the thermostat.

After switching on the breaker, your Sinopé thermostat should turn on automatically.

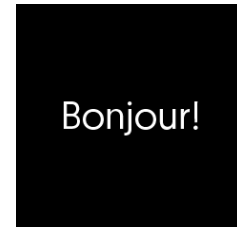
The start-up screen will appear for a few moments.



# Configuration

Once your thermostat is powered on, the startup screen will display briefly. Follow the steps below to change the basic thermostat settings **without the Sinopé application**.

## Startup screen



1

### Language selection

Select the language displayed on your thermostat.



2

### Temperature unit

Select the temperature format displayed on the thermostat screen.



## Wi-Fi connection

You can connect your thermostat to Wi-Fi in two ways:

- Set up with the **Sinopé app**
- Set up with **Apple Home**

We recommend starting with the setup through the **Sinopé** app. This platform enables you to easily configure all your thermostat settings using your smartphone.

Additionally, the **Sinopé** app provides the option to display weather conditions on the screen and access various features within the platform.

Later, you can also add your device to **Apple Home**.

# Configuration with the Sinopé app

If you don't have an account yet, download the **Sinopé** app on your smartphone to create an account and complete the setup of your thermostat.



Get the app

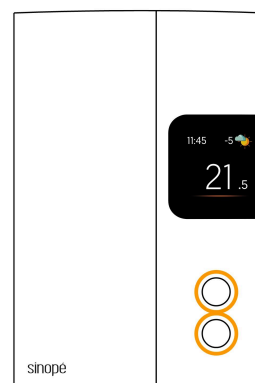


1

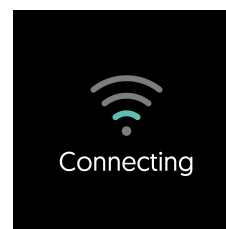
Download the **Sinopé** app and create an account

2

**Briefly press both buttons** on the thermostat.

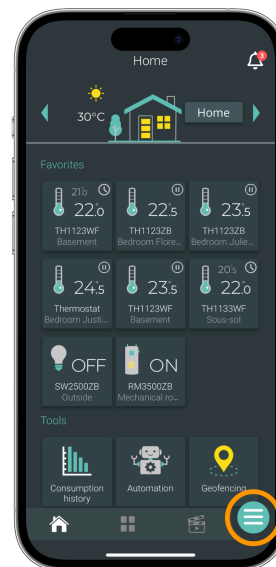


**The thermostat will display a connecting screen.**

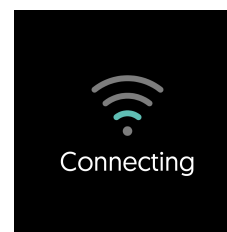


**3** In the Sinopé app, Tap , then select “Add Device.”

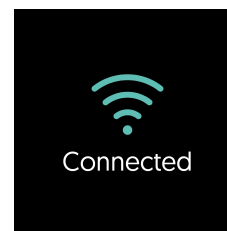
Follow the installation wizard's steps.



**4** Wait for the Wi-Fi configuration to complete.




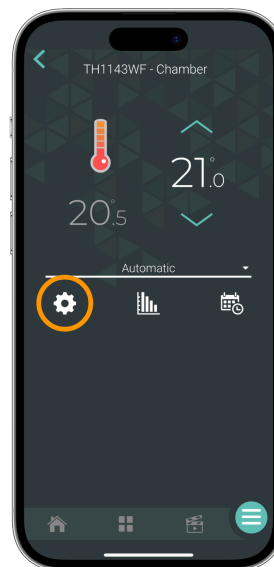
**5** Once the Wi-Fi connection is complete, **tap on the tile corresponding to your thermostat** in the Sinopé app.



# 6

## Setting configuration

Tap on  to access the device settings.  
Continue configuring your system preferences in the various configuration menus.



## Settings

Default value in **bold**.

Settings	Description	Options
<b>Temperature unit</b>	The temperature format featured on the thermostat display.	<b>Celsius</b> Fahrenheit
<b>Time format</b>	The time format featured on the thermostat display.	12 h <b>24 h</b>
<b>Language</b>	The language displayed on your thermostat.	Français <b>English</b>
<b>Backlight</b>	<b>Always ON:</b> The display backlight is always on, and its intensity adjusts according to the ambient light. <b>On-demand:</b> The backlight turns on when you press the thermostat buttons and turns off after 12 sec. <b>Bedroom:</b> The backlight adjusts according to the ambient light and turns off below 20% brightness.	<b>Always ON</b> On demand Bedroom
<b>Early start</b>	The early start functionality can only be used in auto mode. When this functionality is activated, the thermostat determines the heating start time to reach the desired temperature at the scheduled time.	OFF <b>On</b>

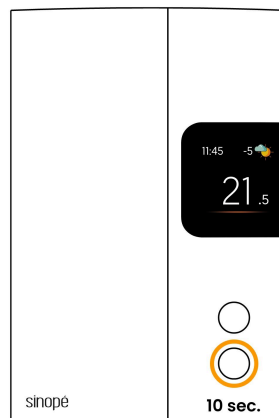
Settings	Description	Options
<b>Keypad</b>	<p>Enables or disables the device's buttons</p> <p><b>Unlocked:</b> Activates the device's buttons</p> <p><b>Locked:</b> Disables the device's buttons</p> <p><b>Limited:</b> Allows setpoint change only. Restricts device configuration and disconnection.</p> <p><b>Keyboard locked</b> is displayed on the thermostat screen if 'Locked or 'Limited' is selected.</p>	<p><b>Unlocked</b></p> <p>Locked</p> <p>Limited</p>
<b>Max. Setpoint</b>	The maximum setpoint temperature available on the thermostat	<p>5 °C to 30 °C / 41 °F to 86 °F</p> <p><b>30 °C default / 86 °F</b></p>
<b>Min. Setpoint</b>	The minimum setpoint temperature available on the thermostat	<p>5 °C to 30 °C / 41 °F to 86 °F</p> <p><b>5 °C default / 41 °F</b></p>
<b>Away setpoint</b>	The setpoint temperature assigned to the thermostat when the away mode is activated	<p>5 °C to 30 °C / 41 °F to 86 °F</p> <p><b>20 °C default / 68 °F</b></p>
<b>Load connected (watts)</b>	The power in watts of the electrical load connected to the device. This value is automatically read by the thermostat and is used to assess energy consumption.	

## Accessing settings directly on the thermostat

All of the thermostat's settings can be set through the Sinopé app.

If you did not configure the display language or temperature unit during initial setup and haven't created a Sinopé account, follow these steps:

1. **Ensure the setpoint is at its minimum**, then **press and hold the ↓ button for 10 seconds** to enter the configuration menu.
2. **Use the ↓ or ↑ button** to navigate and change settings.
3. **Press both ↓ and ↑ buttons simultaneously** to save your selection and move to the next parameter.



## Settings that can be modified on the device directly

The following table lists the settings that can be changed directly on the thermostat. You can change more settings through the Sinopé app.

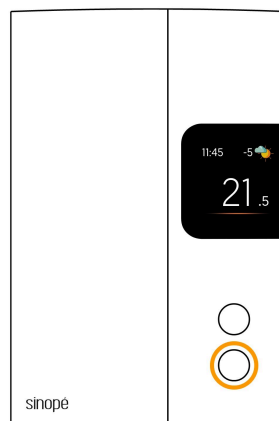
Default value in **bold**.

#	Settings	Description
1	Language	<b>The language displayed on your thermostat.</b> Français <b>English</b>
2	Temperature unit	<b>The temperature format featured on the thermostat display.</b> <b>Celsius</b> Fahrenheit

## Adjusting the temperature setpoint

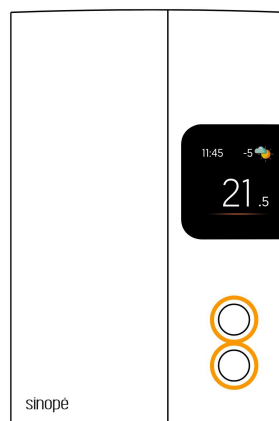
To adjust the temperature setpoint, press

↓ or ↑. The word 'Setpoint' will appear at the top of the thermostat's screen.



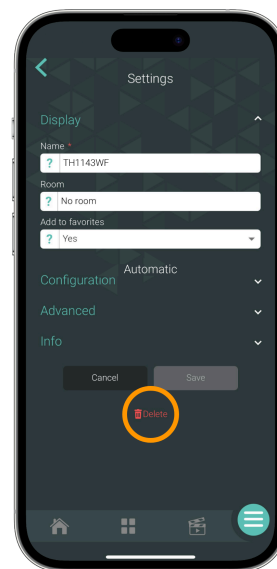
## Changing your thermostat Wi-Fi configuration

To change the Wi-Fi network, follow the steps in either the [“Configuration with the Sinopé app”](#) section or the [“Configuration with Apple Home”](#) section. This will update your thermostat's connection to the new Wi-Fi network.



# Removing your thermostat from the Sinopé app

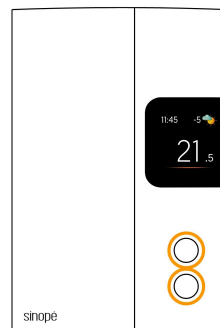
To remove your thermostat from the Sinopé app, press **'Delete'** in the thermostat settings.



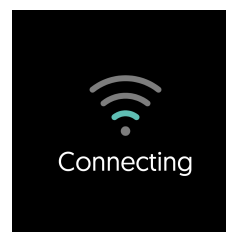
# Configuration with Apple Home

To add your thermostat to the Apple Home app, follow these steps.

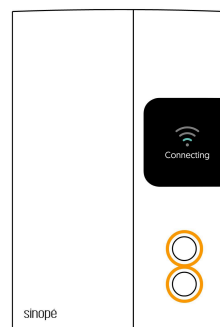
- 1 **Press both buttons** on the thermostat.



The thermostat will display a connecting screen.



- 2 **Press both buttons again** on the thermostat



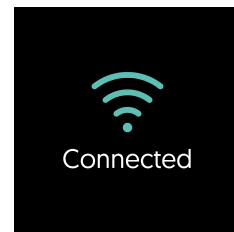
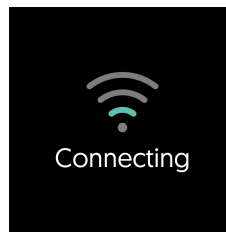
- 3 Open the **Apple Home** App and press '**Add accessory**'. Scan the Apple Home code displayed on the thermostat's screen.



## 4

Follow the steps displayed on the Apple Home app.

The thermostat will then display the connection status.



## 5

If you haven't added your thermostat to the **Sinopé** app, we recommend doing so to access all your thermostat's features.

This platform lets you easily adjust **all thermostat settings** directly from your smartphone.

Additionally, the Sinopé app offers the ability to display weather conditions on the thermostat's screen and access various additional features.

Just follow the **'Configuration with the Sinopé app'** steps to get started.

Automatic and away-from-home control of this HomeKit-compatible accessory requires a HomePod, Apple TV, or iPad set up as a Home Hub. It is recommended that the software and operating system be updated.

Using the *Works with Apple* badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple's performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

HomeKit is a trademark of Apple Inc.

# Troubleshooting

If you encounter any difficulties installing or operating the thermostat, the Sinopé application, or connecting to other platforms, we invite you to consult Sinopé's support website at <https://support.sinopetech.com/en/>.

Problem	Solutions
The thermostat is hot.	Under normal operation, the thermostat housing can reach a temperature between 35°C (95°F) and 40°C (104°F).
Displayed temperature is wrong.	Possible causes: <ul style="list-style-type: none"><li>• The thermostat is exposed to an air draft.</li><li>• The thermostat is located near or above a heat source, such as a light dimmer.</li></ul>
The display disappears and reappears after a few minutes.	The thermal protection device on the heater has temporarily opened. This can happen if the heater is obstructed by furniture or a curtain and overheats, or if the heater's thermal protection device is overly sensitive.

# Support

The technical support team will be happy to assist you.

**Call us at :**

1 (855) 741-7701

**Write to us at:**

[support@sinopetech.com](mailto:support@sinopetech.com)

**Find us at :**

705, Montrichard Avenue  
Saint-Jean-sur-Richelieu  
Quebec, Canada (J2X 5K8)

**Opening hours :**

Monday to Friday - 8:00 am to 4:30 pm (EST)  
Saturday & Sunday - Closed

## 3-year Limited Warranty

SINOPE TECHNOLOGIES INC. ("Sinopé") warrants the components of their products against defects in material and workmanship for a 3-year period from the date of purchase, under normal use and service, when proof of purchase of such is provided to the manufacturer. If, at any time during the warranty period, the product is determined to be defective, SINOPE TECHNOLOGIES INC. will replace it. This warranty does not cover any transportation costs that may be incurred by the consumer. Nor does it cover a product that has been improperly installed, misused, or accidentally damaged. The obligation of SINOPE TECHNOLOGIES INC., under the terms of this warranty, will be to supply a new unit, and this releases the manufacturer from paying the installation costs or other secondary charges linked to replacing the unit or the components. The manufacturer shall not be liable for incidental, consequential, or special damages arising at or in connection with product use or performance.

Controlling this HomeKit-enabled accessory automatically and away from home requires a HomePod, Apple TV, or iPad set up as a home hub. It is recommended that you update to the latest software and operating system. Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. HomeKit is a trademark of Apple Inc.

Sinopé® is a registered trademark of Sinopé Technologies Inc. in Canada and the United States.

Apple and the Apple logo are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc., registered in the U.S. and other countries.

Google Play and the Google Play logo are trademarks of Google Inc.

The Wi-Fi CERTIFIED™ Logo is a certification mark of Wi-Fi Alliance®.

## ISED Canada compliance statement

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.

## FCC compliance statement

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 or more 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.