

**Hotwire HWGL2 Dual WiFi Thermostat**



## Hotwire HWGL2 Dual WiFi Thermostat Instructions

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**Hotwire HWGL2 Dual WiFi Thermostat**



## Specifications

- **Model Number:** HWGL2 Dual WiFi Thermostat
- **Manufacturer:** Hotwire Heating
- **Websites:**
  - Australia: [www.hotwireheating.com.au](http://www.hotwireheating.com.au)
  - New Zealand: [www.theheatingcompany.co.nz](http://www.theheatingcompany.co.nz)

## Product Usage Instructions

### Configuration Menu

1. Turn the thermostat off by pressing the designated button.
2. Press the specified button to access the menu. Hold for about 5 seconds to see all menu options.
3. Use the increase and decrease arrows to adjust the sensor selection.
4. Move to the next Menu by pressing the designated button. Press to accept and store settings.

| Menu # | Feature | Explanation | Adjustment<br>(Press up & down buttons to adjust) |
|--------|---------|-------------|---|
|        |         |             |   |

|    |                                    |   |   |
|----|------------------------------------|---|---|
| 1  | Mode/Sensor Selection              | <p>This thermostat is a combination model which allows you to choose 3 different modes.</p> <p>A mode = Air Sensing Only(Has built in sensor)</p> <p>AF mode = Air &amp; Floor sensing (Floor probe must be installed) F mode = Floor Sensing(Floor probe must be installed)</p>  | A / AF / F  |
| 2  | Switching differential             | <p>The number of degrees difference before switching.</p> <p>The default is 1°C which means the thermostat will switch the heating on 0.5°C below the set temperature and will turn it off 0.5°C above the set temperature. With a 2°C differential the heating will switch on 1°C below the set temperature and will switch off 1°C above the set temperature.</p> | 1 Deg C, 2 Deg C... 10 Deg C ( 1 Deg C by default)  |
| 3  | Air Temp Calibration               | This is to recalibrate the air temp if required   | -1 Deg C = decrease 1 °C , 1 Deg C = increase 1 Deg C   |
| 4  | Floor Temp Calibration             | This is to recalibrate the floor temperature if required  | -1 Deg C = decrease 1 °C , 1 Deg C = increase 1 Deg C   |
| 5  | Temperature Readout (AF mode only) | This gives you the option to show the Air Temp, Floor Temp or to show both Air & Floor at intervals   | <p>A = Show Air Temperature F = Show Floor Temperature</p> <p>A-F = Show Floor and Air Temperature in 5 sec intervals</p> |
| 6  | Maximum Floor Temp ( AF Mode only) | This is to protect the floor surface  | 20 Deg C – 40 Deg C (40 Deg C by default)   |
| 7  | Temperature Format                 | This allows the temperature to be set to show Deg Celsius or Deg Fahrenheit   | Deg C / Deg F   |
| 8  | Frost Protection                   | This is to avoid your room temp going below 5 DegC  | On = activated, Off = deactivated   |
| 9  | 5+2 / 7 Day mode                   | <p>This allows you to programme either 5 days at once, then the 2 days of the weekend separately,</p> <p>or a full 7 days at the same time or 7 days separately.</p>  | <p>01 = 5 + 2 Day Programming</p> <p>02 = 7 Day Programming</p>   |
| 10 | Auto/Manual mode selection         | This allows you to choose Auto / Manual mode  | 00 = Auto mode 01 = Manual mode   |
| 11 | Software version                   | This is for review only   | V1.0  |

|    |                           |   |   |
|----|---------------------------|---|---|
| 12 | Minimum temperature limit | This gives you the option to change the minimum set temperature                 | 5 °C~ 20 °C (5 °C by default)                         |
| 13 | Maximum temperature limit | This gives you the option to change the maximum set temperature                 | 40 °C~ 90 °C (40 °C by default)                       |
| 14 | Sensor type selection     | This allows you to match your thermostat to different sensor                    | 10 = NTC10K(by default), 100= NTC100K,<br>3=NTC3K     |
| 15 | Backlit brightness        | This allows you to adjust the brightness of the back light                      | 10%~100%     100 =                                    |
| 16 | Reset                     | This allows you to reset your thermostat to factory default                     | Press and hold down button until you see RE on screen |
| 17 | Direction of installation | This allows you to choose to install your thermostat vertically or horizontally | L = Vertical H= horizontal                            |

## Menu Features and Adjustments

| Menu # | Feature | Explanation | Adjustment |
|--------|---------|-------------|------------|
|--------|---------|-------------|------------|

## Programming Your Thermostat

To program your thermostat for automatic operation:


















1. This Dual Control model can be used to program both Hotwire Floor Heating and Hotwire Heated Towel Rail.

## Instructions

The thermostat is a Dual Control model. You can use it to program both your Hotwire Floor Heating and Hotwire Heated Towel Rail.

This manual outlines how to program the unit. If you have any difficulties we have a step-by-step video on our website at, [www.hotwireheating.com.au](http://www.hotwireheating.com.au) (Australia) and [www.theheatingcompany.co.nz](http://www.theheatingcompany.co.nz) (New Zealand)

## LCD symbols

|   |   |
|---|---|
|   | The buttons are locked  |
|  | Heating is turned on  |
|  | Frost protection activated  |
|  | Manual mode   |
|  | Temporary temperature override  |
| Er  | The floor sensor is not being read by the thermostat  |
|  |  ...  Day of the week |
|  | Increase button (  for horizontal mode)  |
|  | Decrease button (  for horizontal mode)  |
|  | Confirmation button (  for horizontal mode)  |
|  | Power button  |
|  | Time and Day button   |
|  | Programme button / Menu button (short-press)<br>Auto mode / Manual mode selection button (long-press)   |


### Alternating Heating Zones


In order to alternate between the devices or heating zones being controlled press and hold “ ” The LCD will display temperature (e.g. 22 °C )or ON/OFF. Temperature will be your under floor heating. ON/ OFF will be your heated towel rail.

### Setting the clock and day of the week

#### Setting the clock and day of the week

This thermostat is fitted with a real time clock. It is essential that the clock time and day are set accurately if you require your programmed events to start on time. To set follow the steps below:

(1). Touch the “” button and the time will start flashing. Use the increase and decrease buttons to set the time. By holding these buttons down the time will change faster.

(2). Press  to move to the Day setting and use the increase and decrease buttons to get to the correct day.

(3). Press  to store and exit.


#### Setting the Programme Schedules

This thermostat has the ability to programme each individual day of the week separately, or programme 7 days of the week at once. You can also programme weekdays (5 days) to one schedule and then weekends (2 days) to a different schedule. See the Menu information for details on how to set this up.(refer to


Menu 9) *See page 4 of this manual.*


## Programming your Thermostat


This will help you program your thermostat to come on and off automatically. If you want to simply turn it on and off when required skip this section. When programming Zone 2 for your Heated Towel Rail it will not be necessary to set the temperature in the below steps. You simply set the time only and then select "On" for options 1 and 3, and "Off" for options 2 and 4.

(1). Press  and the day display will start flashing. Using the Increase or Decrease button to select the day you wish to programme. (If your thermostat is set to 5+2 day programmable mode, the programming will skip to step 3)

(2). To select every day to be the same simply press and hold the Decrease button.


(3). Press  and Program 1 is displayed. This is the first programme function of the day.


(4). The time is now flashing. Select the time you want the heating to come on in the morning 

(5). The temperature is now flashing. Set the temperature that you want the floor to heat. Then press 




(6). The LCD screen will show Program 2 and the time will be flashing. This is the time that the thermostat will switch off in the morning.


(7). Use Increase and Decrease buttons to adjust the time you wish the heating to switch off in the morning on the selected day or days.

(8). Press  and the temperature will start flashing. This can be used to maintain a minimum temperature. In most cases this is not required and the temperature should be set to 5.

(9). Press  and the Program 3 will display. The time is also flashing. Set the time at which you want the heating to come on in the afternoon or evening. **NOTE:** If you do not wish the heating to come in the afternoon, simply set the "off" time for only a couple of minutes after the "on" time.

(10). Press  and set the temperature required in the afternoon.

(11). Press  and the LCD screen will show Program 4. This is the time that the thermostat will switch off in the afternoon/evening. Press  and set the temperature. As per above we recommend 5. Then Press 

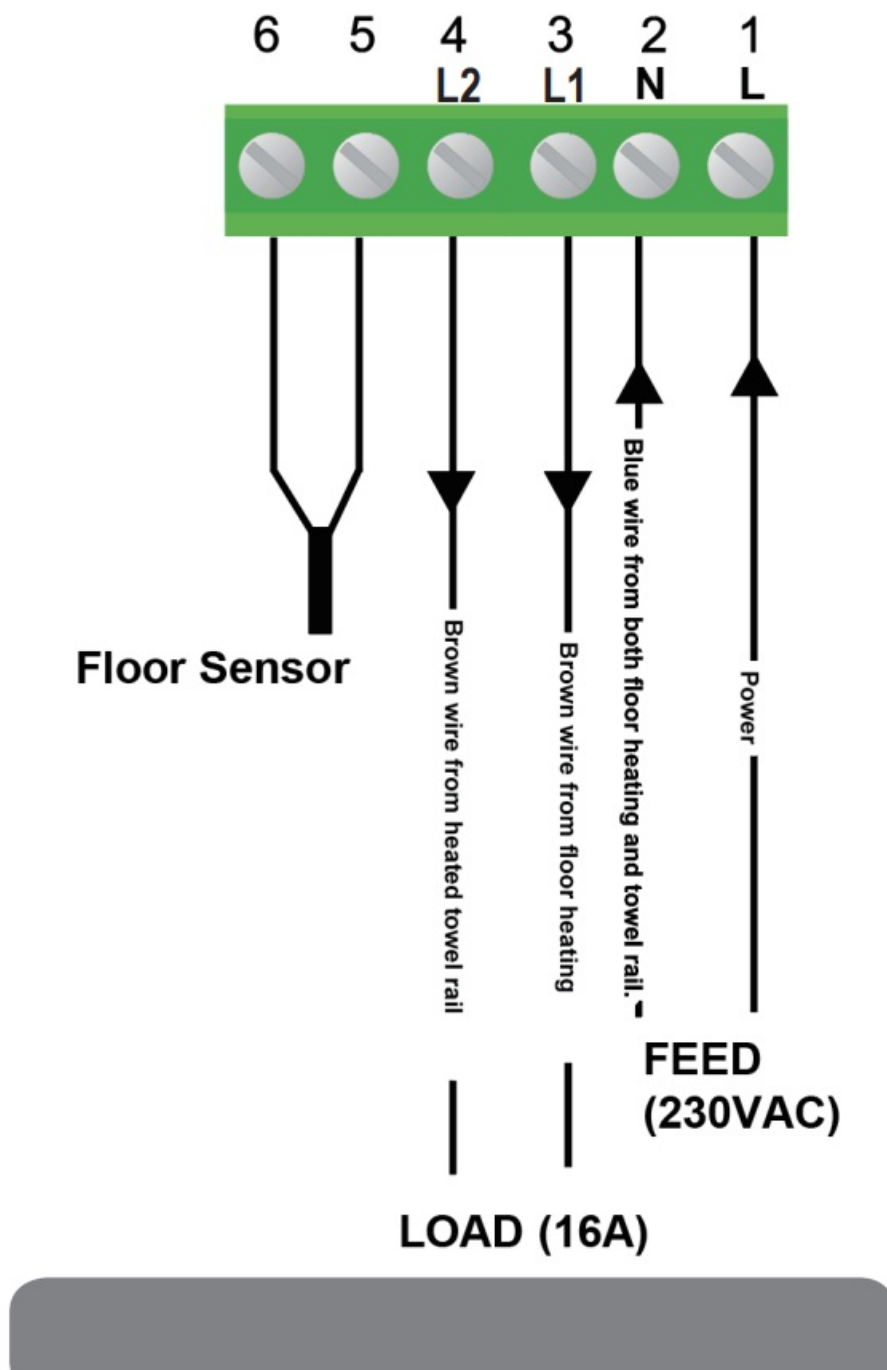
Hint: If you use the default programming of 5 week days plus 2 weekend days you will now need to repeat the above steps for the weekend. You may use  to delete time periods for the weekend schedule.

## Default Programming is as follows


| Programme | Start Time   | Setpoint | Explanation   |
|-----------|--------------|----------|---|
| 01        | WAKE 06:00   | 24 °C    | This is the time the heating will come on in the morning.   |
| 02        | LEAVE 08:30  | 16 °C    | This is the time the heating will switch off in the morning. It can also be used to set a minimum temperature for the day.  |
| 03        | RETURN 18:30 | 24 °C    | This is the time the heating will come on in the afternoon.   |
| 04        | SLEEP 22:00  | 16 °C    | This is the time the heating will switch off in the afternoon / evening. If you do not require the heating in the afternoon / evening, simply set this time to a couple of minutes after the “on” time. |

## Installation and Wiring

Carefully separate the front half of the thermostat from the back plate by unscrewing the small screw at the bottom of the thermostat. Carefully unplug the ribbon connector which is plugged into the front half of the thermostat. Place the thermostat front half somewhere safe. Terminate the thermostat as shown in the diagrams below. Screw the thermostat back plate onto the flush box. Re-connect the thermostat ribbon cable and clip the two halves together.




### Change between Manual and Auto Mode

To change between Auto and Manual mode press and hold . In manual mode, the thermostat maintains a constant set temperature manually set by the user. Simply adjust the temperature using the arrows. In Auto mode, the thermostat executes the preprogrammed schedules.

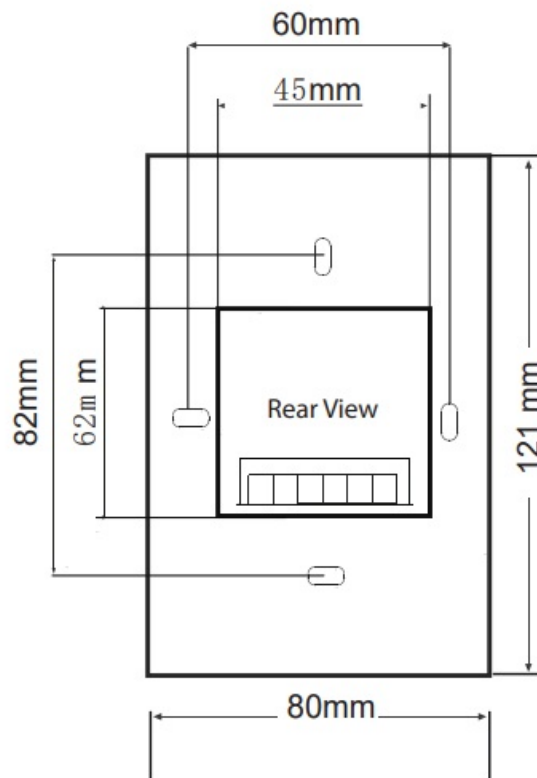
### Lock the Keypad

To lock the keypad, press and hold the power button for 5 seconds, you will see a key symbol. To unlock, repeat the steps above and the key symbol will disappear.

### Reset to Factory Setting

To conduct a master reset to factory settings, press the power button to turn the thermostat off. Press and hold  for 5 seconds. Move to menu 16 then hold the Decrease button for 5 seconds.





## Connecting to WiFi (iPhone)

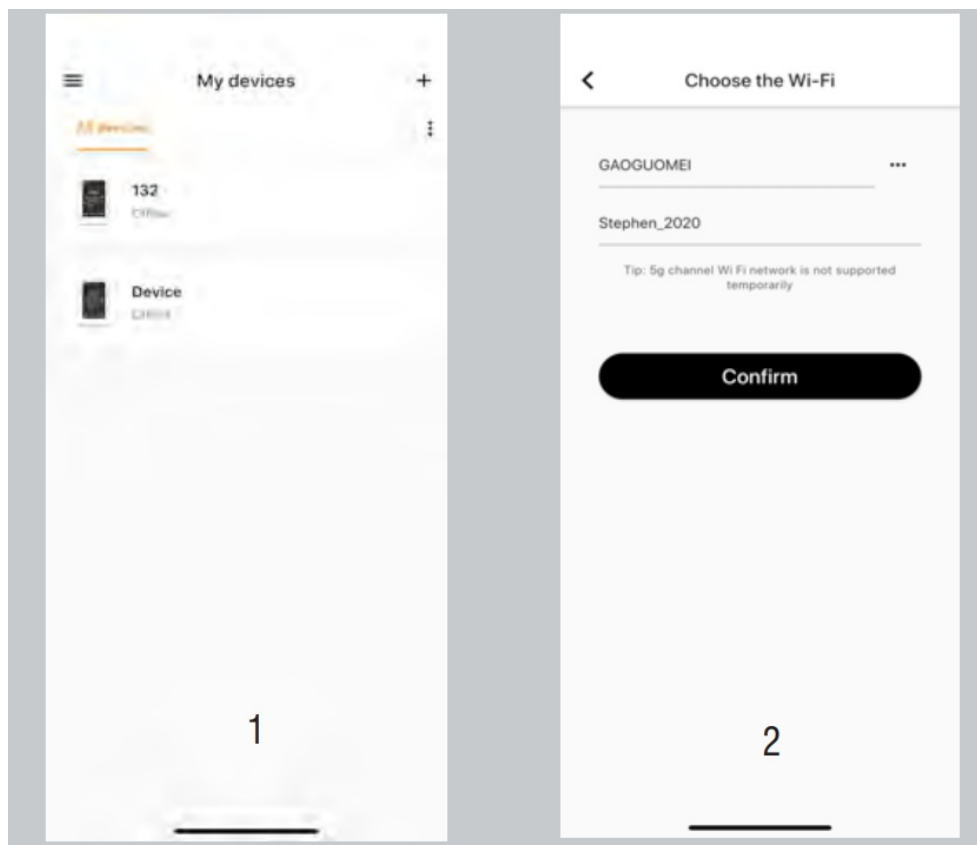
### Get ready for the connection

Go to the App Store, download the “Hi Thermostat” app, and install it. Then create an account with your email address and sign in. Ensure you are connected to your WiFi network, keep your phone, your thermostat, and your WiFi router as close as possible.

Step 1. On your thermostat, press the power button to turn your thermostat off.

Step 2. Press and hold the power button for 5 seconds until you see REF on the screen. Wait for a few seconds until the wifi symbol is flashing.

- Step 1
  - (1). Touch “+” on the top right corner of your phone to add a new device;
  - (2). Enter your WiFi details. Please ensure you have selected the correct WiFi network and that the password you enter is correct. Then press “Confirm”.



- Step 2

- (1). Press “Connect”.
- (2). Press “Join” as your phone wants to join the device’s WiFi hotspot named XPG-GAgent-xxxx;
- (3). Press “Join” as your phone needs to go back to your original WiFi network. The connection process is automatically completed. Now your thermostat is accessible via the app.



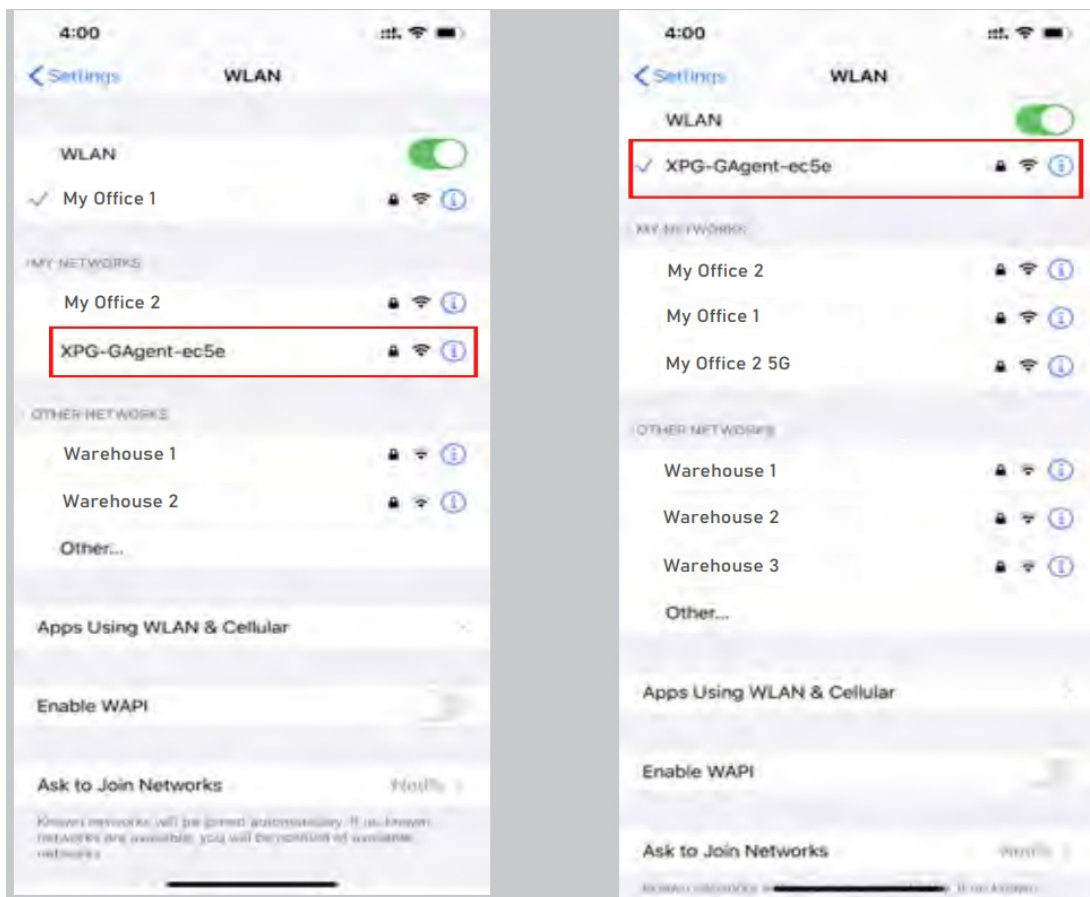
## Troubleshooting

Some phones might not be able to join the device’s WiFi hotspot automatically. In this case, please do it manually. Follow the steps below:

1. In Step 2, before pressing “Connect”, please go to your phone’s Settings – WLAN.

2. Connect your phone to the device’s WiFi hotspot named XPG-GAgent-xxxx;

Once connected to XPG-GAgent-xxxx, return back to the thermostat app and follow Step 2 above.



## Connecting to WiFi (Android)

### Get ready for the connection

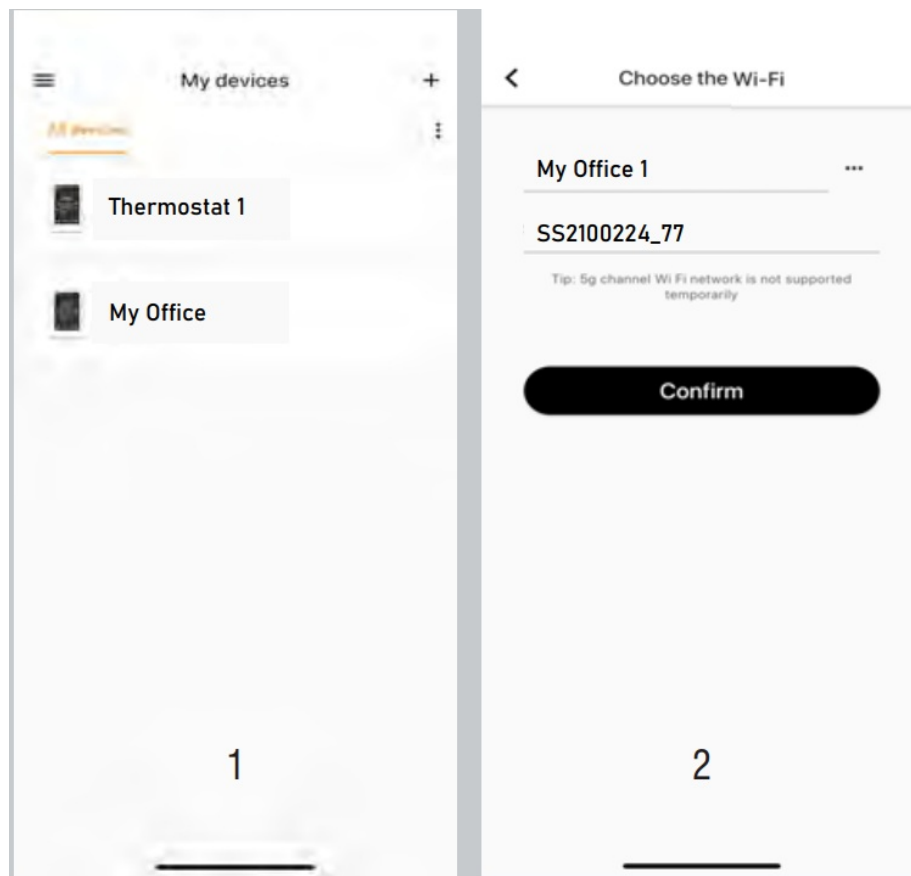
Go to Google Play, download “Temp Control” app, and install it. Then create an account with your email address and sign in. Ensure you are connected to your WiFi network, and keep your phone, your thermostat, and your WiFi router as close as possible.

Step 1. On your thermostat, press the power button to turn your thermostat off.

Step 2. Press and hold the power button for 5 seconds until you see REF on the screen. Wait for a few seconds until the wifi symbol is flashing.

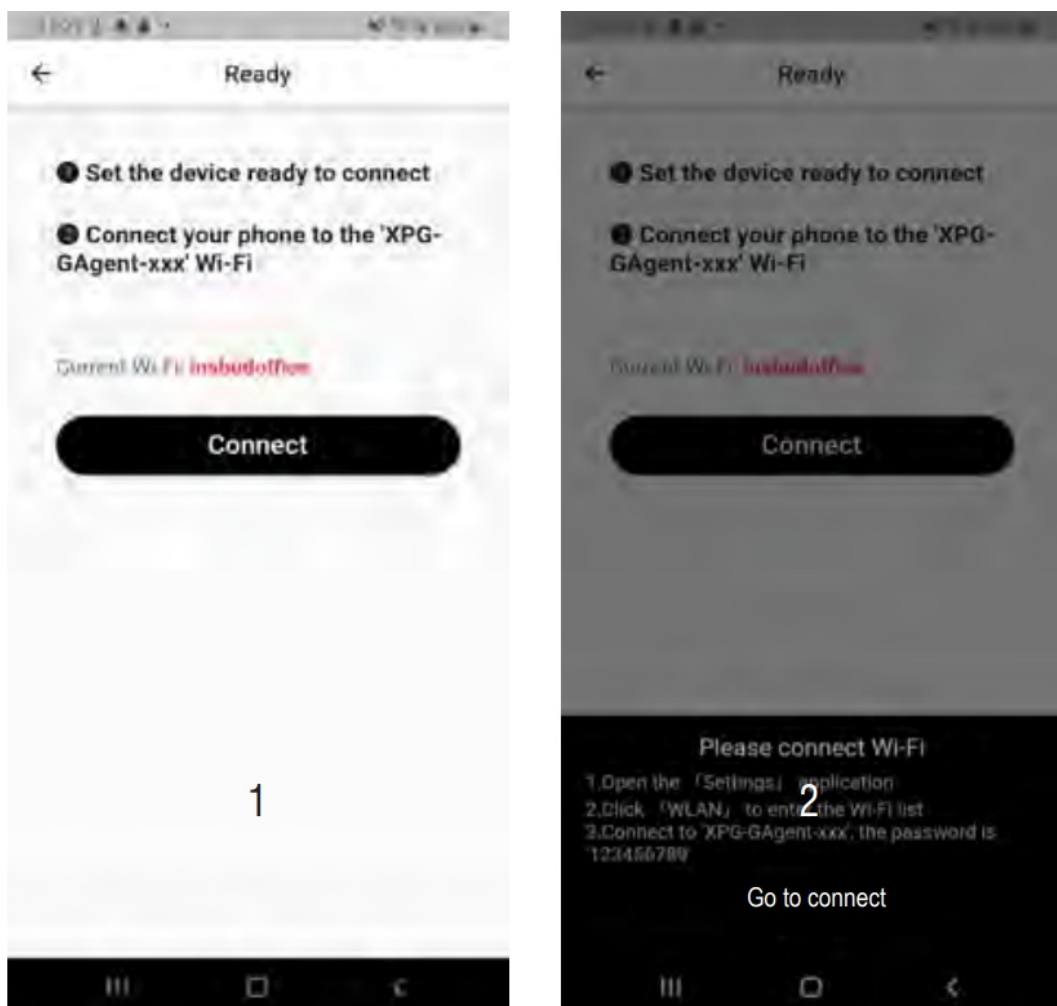
#### 1. Step 1

1. Touch “+” on the top right corner of your phone to add a new device;
2. Enter your WiFi details. Please ensure you have selected the correct WiFi network and that the password you enter is correct. Then press “Confirm”.



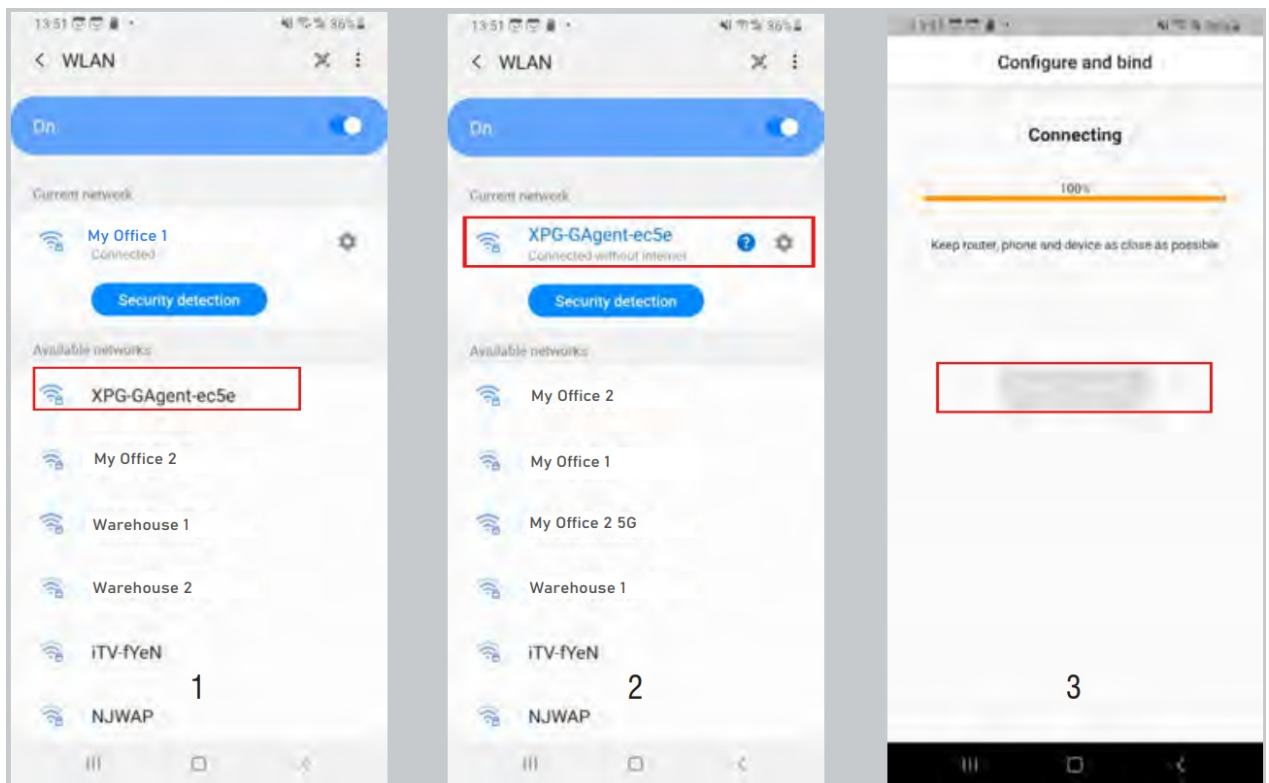
## 2. Step 2

1. Press "Connect".
2. Press "Go to connect".



## 3. Step 3

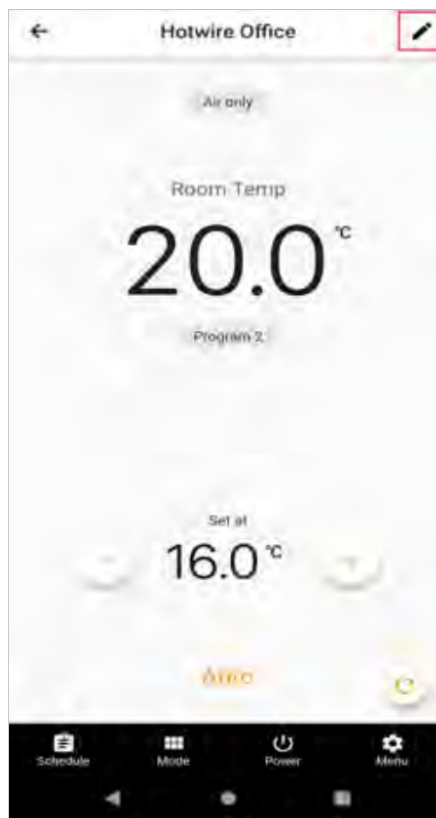
1. Now your phone automatically goes to the WLAN settings page.
2. Connect your phone to device's WiFi hotspot named XPG-GAgent-xxxx;
3. Once connected to XPG-GAgent-xxxx, return back to the thermostat App and the connection process will automatically be completed. Now your thermostat is accessible via the app.



## Sharing Your WiFi Thermostat

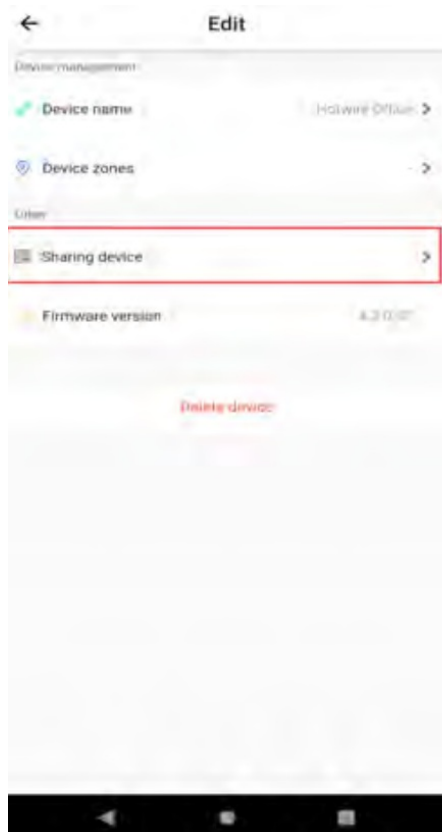
### 1. Step 1

1. Touch the edit/pencil button on the top right corner of the app.



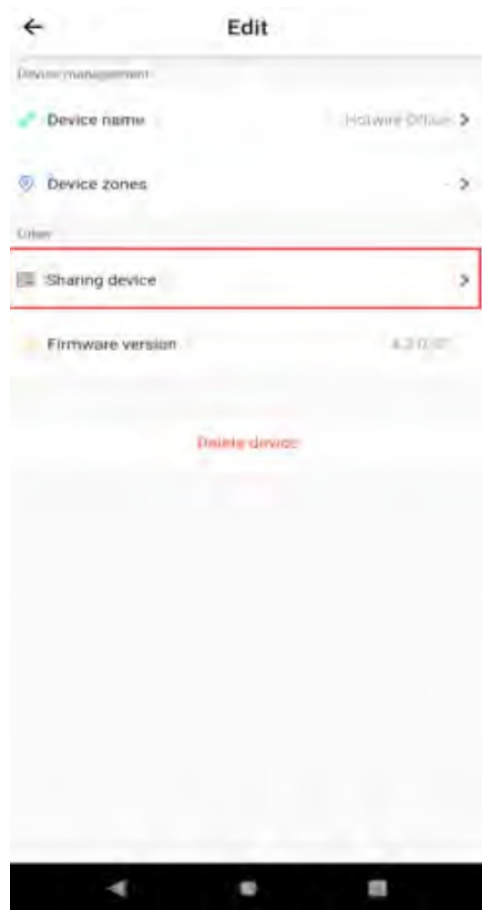
## 2. Step 2

1. Click "Sharing "device".



## 3. Step 3

1. Scan the QR code on the phone of the person you want to share the device with.




## FAQ

**Q: How do I reset the thermostat to factory defaults?**

**A:** To reset the thermostat, press and hold the designated reset button until “RE” appears on the screen.

## Documents / Resources

|   |   |
|---|---|
|  | <p><a href="#">Hotwire HWGL2 Dual WiFi Thermostat</a> [pdf] Instructions<br/>HWGL2 Dual WiFi Thermostat, HWGL2, Dual WiFi Thermostat, WiFi Thermostat</p> |
|---|---|

## References

- [Floor Heating Australia | Hotwire Heating](#)
- [Heating & Ventilation Solutions New Zealand | The Heating Company](#)
- [Heating & Ventilation Solutions New Zealand | The Heating Company](#)

- [User Manual](#)

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