AIO® Wi-Fi Module GW1-WIFI (2.4 + 5 GHz) and Smart Life Application

Installation and User Guide



innova

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REVISION HISTORY

Rev	Date	Revised By	Changes
A	2026-04-20	Leah Kuber	Add references to installing the gateway for all relevant AIO® units and gateways.
B	2026-08-03	Leah Kuber	Clarify that the module cannot be installed in a fully enclosed metal area.

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1. ABOUT THIS GUIDE

This guide outlines the required procedures for safely installing the GW1-WIFI Wi-Fi module in an AIO® Heat Pump unit. Following these instructions reduces the risk of equipment damage, improper installation, and potential safety hazards.

Important: Read the entire installation guide before beginning any installation tasks. Pay close attention to all safety warnings and notices.

Note: This guide is shipped with the module and is the property of the customer. Make sure this guide is left in the customer's possession.

1.1 Specific language

Some language and symbols in this guide have specific meanings.

Reference to the product
Any reference to "the unit" or "the AIO® unit" is meant to refer to the specific AIO® Heat Pump unit described in that section of the document.

Unit orientation
All directions in this guide (left, right, top, and bottom) are given from the perspective of facing the unit.

Role definitions
This guide is primarily intended for installers. The roles of end users and service technicians are also defined here for reference.

- **User:** A non-expert who can safely operate the unit and perform basic diagnostics and maintenance.
- **Installer:** An INNOVA-trained and certified HVAC installation technician responsible for the correct installation of the unit as indicated in the installation guide and in accordance with all local and national codes.
- **Service technician:** A trained and qualified HVAC professional who performs service or maintenance in compliance with OSHA safety requirements, recognized industry best practices, and all applicable federal, state, and local codes and standards.
- **Trained HVAC technicians:** A group term for both installation and service technicians.

1.2 Safety notices, icons, and symbols

Warnings, Cautions, and Annotations are included throughout this guide. Read each carefully and follow the stated instructions.

Safety notices
Each safety notice represents the level and immediacy of risk.

⚠ WARNING

Indicates a situation or potential situation which, if not avoided, may result in death or serious injury.

Annotation icons
Annotations are provided throughout this guide. It is important to read each one carefully and follow the stated instructions.



Indicates instructions or information that is important to note to ensure optimal installation or operation of the unit.



Indicates supplemental information, tips, or useful background information.

2. OVERVIEW

This guide explains how to install the 2.4/5 GHz Wi-Fi module GW1-WIFI in an AIO® unit and connect the unit to the Tuya Smart Life mobile app. Once installed and paired over a 2.4/5 GHz Wi-Fi network, the module enables the user to control the unit from a mobile phone using the Smart Life application, including basic functions such as on/off, mode selection, and temperature adjustment (subject to network availability).

The GW1-WIFI module is installed by connecting it to a gateway control board that is installed in the unit. The gateway may have been installed previously or may be installed at the same time as the unit. The installation procedure varies depending on the gateway type and the AIO® unit in which the Wi-Fi module will be installed. References to the appropriate gateway installation guides are provided in the text.

The GW1-WIFI 2.4/5 GHz Wi-Fi module can be installed in the following AIO® units (Gen 1, Gen 2, or Gen 3):

- AIO® Wall Mounted Standard/Pro
- AIO® Ceiling Ducted (with or without ERV)
- AIO® Ceiling Suspended (with or without ERV option)
- AIO® Vertical Stack
- AIO® Vertical Stack XL

The GW1-WIFI Wi-Fi module can work with any of these units (*see below) where a GWN or GWX gateway control board has been installed.



All references to the AIO® Wall Mounted unit refer to both the standard Wall Mounted and the Wall Mounted Pro units.



*The AIO® Wall Mounted (Gen 1) unit is not used with the GWX gateway. For these units, use the GWN gateway.

3. SAFETY GUIDELINES

This guide details the steps required to safely install a GW1-WIFI Wi-Fi module in an AIO® unit. By following these instructions, the risk of damage to the equipment can be significantly reduced.

Read the entire installation guide before installing the controller. Pay careful attention to all safety notices and warnings.

Failure to apply the indicated rules may cause malfunctions of the appliances and relieve the manufacturer of any warranty and of any liability for damage to persons, animals, or property.

It is the responsibility of the service provider to install the unit safely and securely. Installation procedures must be performed in conformance with all applicable local and national codes.

All safety regulations in force at the installation site, as well as common-sense precautions, must be followed.

The precautions listed in this installation guide are intended to supplement accepted safe practices. In case of a direct conflict between accepted safety practices and this guide, the more stringent precaution takes precedence.

Failure to follow the instructions in this guide can result in property damage, serious injury, or death.

⚠ WARNING

- Only Licensed HVAC contractors may install this controller. Improper modifications by an unqualified person can result in serious injury or death. When working on the equipment, observe all precautions in the guide and on labels attached to the equipment.
- All electrical connections and wiring must be installed by a qualified electrician and conform to the National Electrical Code (NEC/NFPA-70) as well as all local codes that hold jurisdiction.

⚠ WARNING

- Use only the supplied installation-specific components. Using different components could lead to water leakage, electric shock, or fire.
- Disconnect all electric power, including remote disconnects, before making any connections. Verify that power to the entire system is down, including any peripherals, third-party devices, and devices operating on the unit's network.
- Do not open access panels to the interior of the unit without first disconnecting the power and/or turning off the breaker.
- Discharge all motor start-run capacitors before installing the controller. Verify (using a voltmeter) that no power is running into the unit and wait at least five minutes for the capacitors inside the unit to discharge.
- Follow OSHA-compliant lock-out/tag-out procedures.
- Do not modify or tamper with the controller. Unauthorized alterations may compromise safety, create hazardous conditions, and void the warranty.
- Wear appropriate personal protective equipment (PPE) such as gloves and safety glasses during the installation process.

4. INSTALLING THE WI-FI MODULE IN THE AIO® UNIT

To install the GW1-WIFI Wi-Fi module in an AIO® unit, perform the following steps:

1. Open the AIO® unit: See Section 4.1.
2. Install the gateway in the unit (if not installed already): See Section 4.1.
3. Connect the Wi-Fi module to the gateway and mount it to the unit: See Section 4.2.
4. Use the Smart Life application to pair the Wi-Fi module with the unit: See Section 5.1 and Section 5.2.
5. Close the AIO® unit: See Section 7.



The GW1-WIFI Wi-Fi module only works with the Smart Life application provided by Tuya Inc. Instructions for downloading this app are provided below.

4.1 Opening the unit and installing the gateway

Table 1 below provides references to the appropriate gateway installation procedure for each AIO® unit when using each gateway.

1. Open the unit according to the procedure in the indicated installation guide in the "Open" section listed in Table 1.
2. If the gateway is not already installed in the unit, install it according to the procedure in the same installation guide in the "Install" section(s) listed in Table 1.

Table 1. Installation guides for opening units and installing gateways

AIO® Unit	Installation Guide	"Open" Section	"Install" Sections
With the GWX Gateway:			
Wall Mounted (Gen 1)	Not used together	N/A	N/A
Wall Mounted (Gen 2)	AIO® GWX Gateway for AIO® Heat Pumps Installation Guide	7.1	7.2, 7.3
Wall Mounted (Gen 3)		8.1	8.2, 8.3
Ceiling Ducted (all) / Ceiling Suspended (with ERV option)		9.1	9.2, 9.3
Ceiling Suspended (without ERV option)		10.1	10.2, 10.3
Vertical Stack		11.1	11.2, 11.3
Vertical Stack XL		12.1	12.2, 12.3
With the GWN Gateway:			
Wall Mounted (Gen 1)	AIO® GWN Gateway for AIO® Heat Pumps Installation Guide	7.1	7.2, 7.3
Wall Mounted (Gen 2)		8.1	8.2, 8.3
Wall Mounted (Gen 3)		9.1	9.2, 9.3
Ceiling Ducted (all) / Ceiling Suspended (with ERV option)		10.1	10.2, 10.3
Ceiling Suspended (without ERV option)		11.1	11.2, 11.3
Vertical Stack		12.1	12.2, 12.3
Vertical Stack XL		13.1	13.2, 13.3

4.2 Installing the Wi-Fi module in the unit

The GW1-WIFI Wi-Fi module must be mounted inside the AIO® unit, in a location that meets both of the following conditions:

- Is near enough to the gateway to connect the module's wires to the gateway, and
- Is near the bottom of the unit or another place where the module is not completely enclosed by metal panels.

Do not install the module inside a fully enclosed metal compartment, including right next to the gateway where there is no exposure to the outside of the unit. Metal panels can shield the wireless signal and reduce the module's communication range.

To install the GW1-WIFI Wi-Fi module in the AIO® unit:

1. **Prepare the mounting location.**
   a. Find a space inside the unit where the Wi-Fi module will fit and that meets the conditions above.
   b. Clean the mounting location with an alcohol pad to ensure proper adhesion.
2. **Connect the Wi-Fi module to the gateway.**
   a. Locate the dedicated Wi-Fi terminal on the gateway.

*Figure 1. Wi-Fi terminal on the **GWN** Gateway*

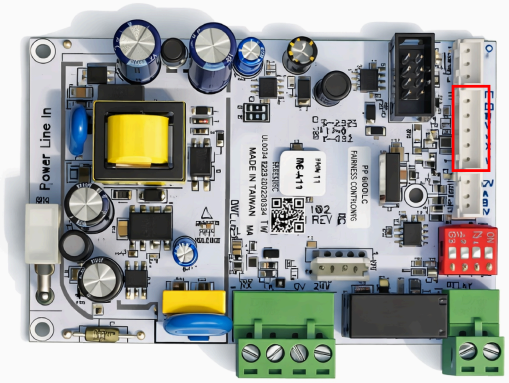
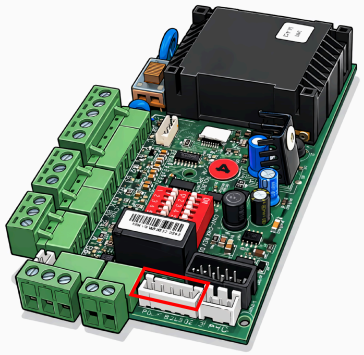


*Figure 2. Wi-Fi terminal on the **GWX** Gateway*



b. Insert the connector on the GW1-WIFI module into the Wi-Fi terminal on the gateway.

*Figure 3. Connect the Wi-Fi module to the **GWN** gateway*

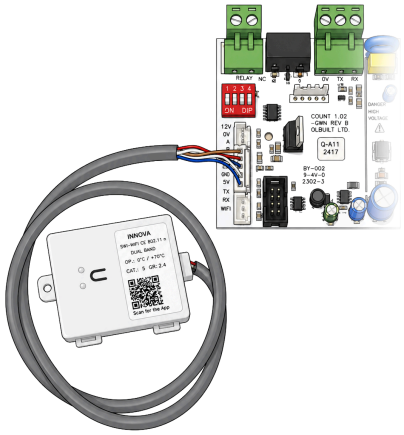
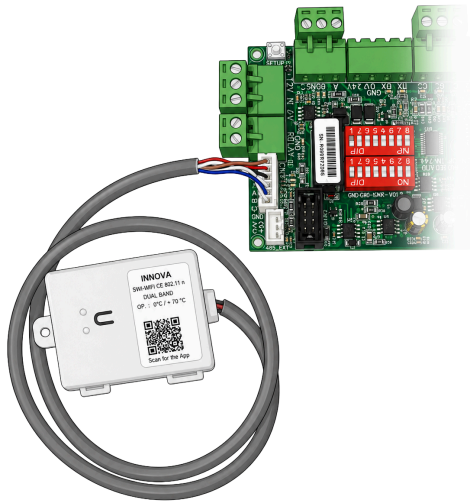
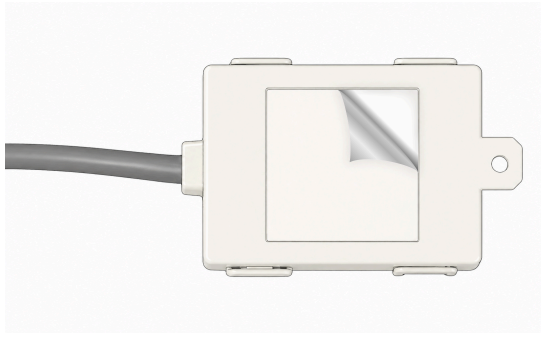


*Figure 4. Connect the Wi-Fi module to the **GWX** gateway*



3. **Mount the Wi-Fi module to the unit.**
   a. Remove the backing from the square of double-sided tape on the back of the Wi-Fi module.

Figure 5. Double-sided tape on the module

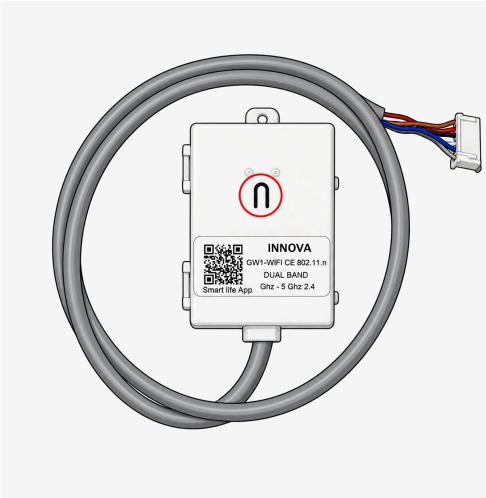


   b. Mount the module at the designated mounting location. Press firmly to ensure the module is securely attached.

4. **Reset the Wi-Fi module (if needed).**
   If the AIO® unit was previously connected to a different network, press the pairing button (shown below) on the Wi-Fi module for about 10 seconds to initiate a new connection.

When using the AIO® unit for the first time, no initial configuration of the Wi-Fi module is required.

Figure 6. Pairing button on the Wi-Fi module



5. CONNECT THE AIO® UNIT TO THE SMART LIFE APPLICATION

Initially, the procedure in this section must be performed by the installing technician after installing the Wi-Fi module and before closing the AIO® unit to test the Wi-Fi installation.

After the installation is complete, any end users who will be controlling the AIO® unit via Wi-Fi must also perform the procedure in this section only, using their own mobile phones.

5.1 Download the Smart Life app

1. **Download the Smart Life app.**
   Scan the QR code below to download the **Tuya Smart Life** application to the mobile phone that will be used to control the AIO® unit. Alternatively, you can search for it and download it from a major app store, such as Google Play or the App Store.

Figure 7. QR code for downloading the Smart Life App

GET IT ON Google play

Download on the App Store

2. **Register your account.**
   Open the Smart Life app, and on the Login screen, click **Sign Up** to create your Smart Life account.

Figure 8. Smart Life Login screen



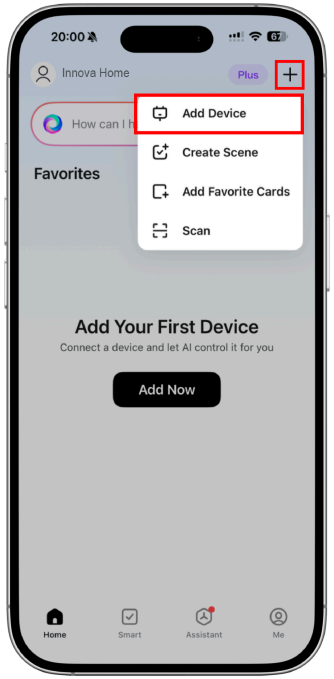
5.2 Pair the unit with the Wi-Fi network

Before beginning the pairing process, place your WiFi router or mobile phone as close to the unit as possible. Adding the device may fail if the Wi-Fi signal is weak.

1. **Add the unit to the app.**
   On the Home screen of the Smart Life app, click the **+** sign at the top right, then click **Add Device**.

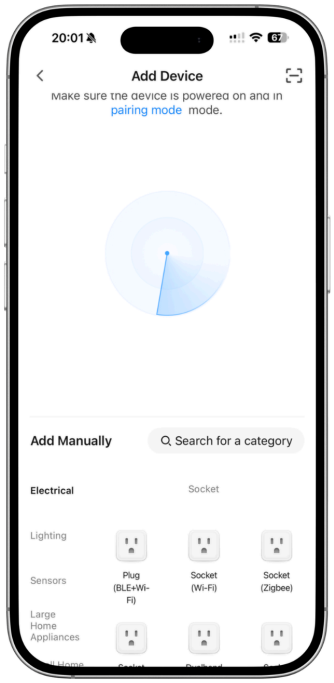
In the Smart Life app, "device" refers to the Wi-Fi module. Since the module is installed in the AIO® unit, pairing the module with the network is effectively the same as pairing the AIO® unit.

Figure 9. Smart Life: Add Device screen



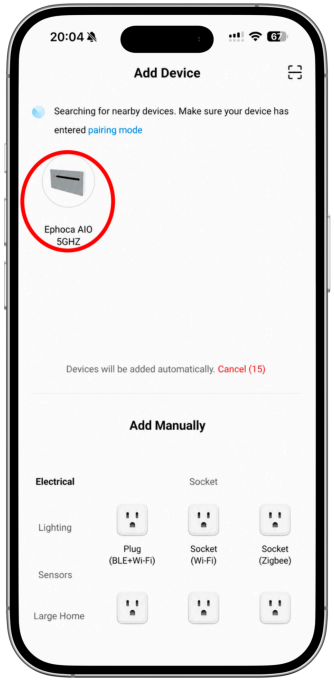
2. **Wait for the app to locate the Wi-Fi module.**

Figure 10. Smart Life: Locating the device



3. **Select the displayed unit.**
   When the Wi-Fi module on the AIO® unit is located, an icon representing the unit will be displayed. Click the icon to add it to the app.

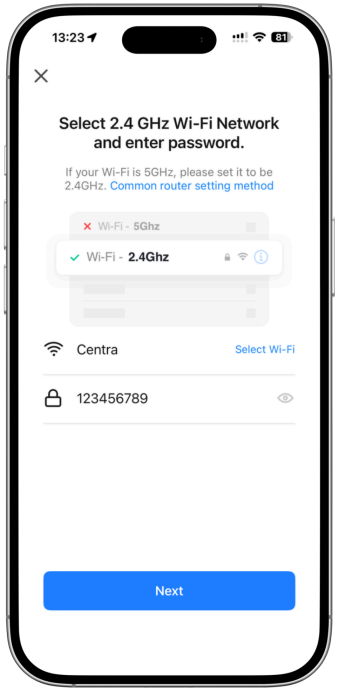
Figure 11. Smart Life: Device located



If the Smart Life app cannot find the Wi-Fi module, follow the troubleshooting steps in Section 6.

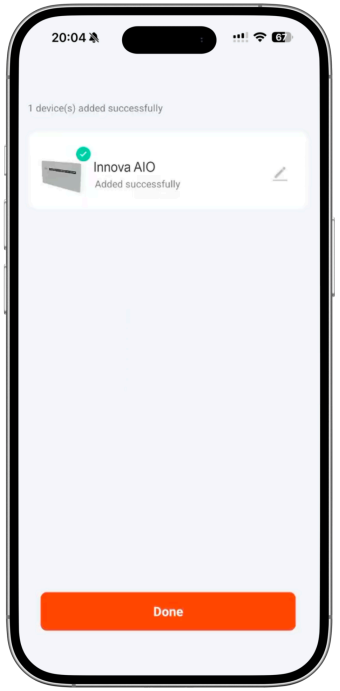
4. **Connect to your Wi-Fi network.**
   When prompted, select the local 2.4 GHz Wi-Fi network, click **Next**, then enter the network password and click **Next**.

Figure 12. Select the local network



5. **Wait a few seconds for the unit to connect.**
   The app will display a "Connecting Device" screen during the pairing process.
   When the pairing is complete, the unit will be displayed on the screen with a notification that it was added successfully.
   When prompted, click **Done**.

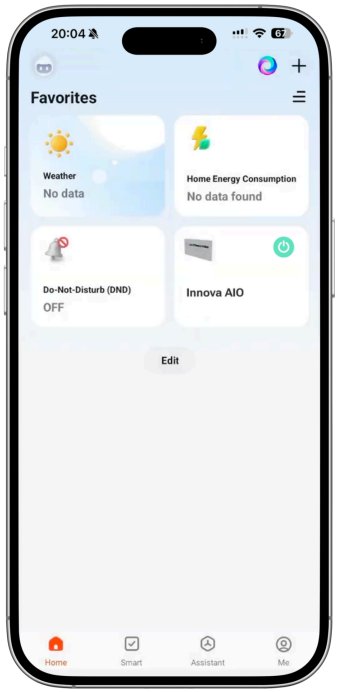
Figure 13. Smart Life: Pairing complete



6. **The unit can now be controlled via the app.**

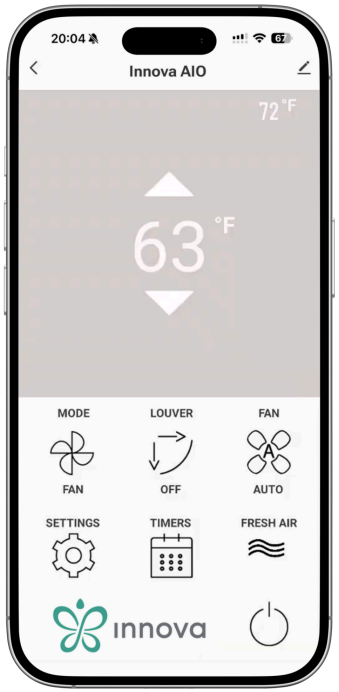
   a. To control the AIO® unit via Wi-Fi, open the app to the Home screen and select the AIO® unit.

Figure 14. Smart Life: Home screen with new device



   b. The mobile phone can now be used like a controller via Wi-Fi.

Figure 15. Using the mobile phone as a controller

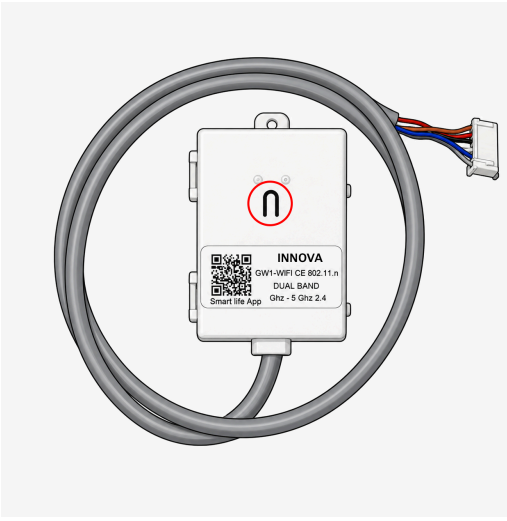


6. TROUBLESHOOTING

If the Smart Life app cannot find the AIO® unit, or if the pairing process fails, perform the following steps:

1. **Restart the Wi-Fi network router.**
   Restart the router for the local Wi-Fi network.
2. **Press the pairing button for 10 seconds.**
   Press the pairing button on the Wi-Fi module and hold for 10 seconds to initiate a new connection.

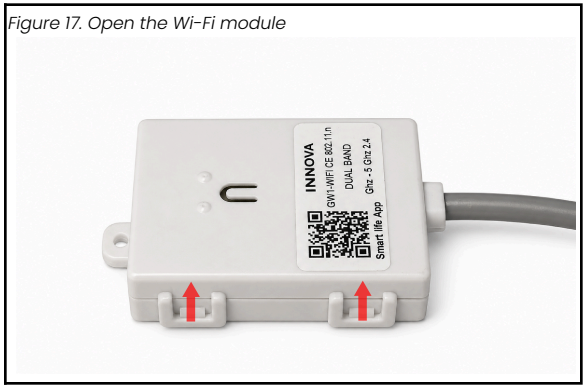
Figure 16. Pairing button on the Wi-Fi module



3. **Retry the pairing process.**
   Repeat the procedure in section 5.2.
   - If the pairing is successful, continue to section 7 to close the AIO® unit.
   - IF the pairing process still fails, proceed to Step 4 below.

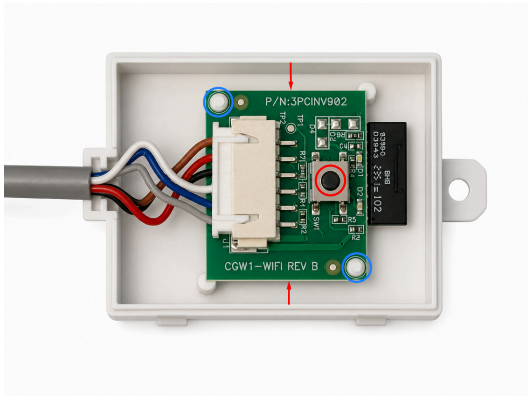
4. **Open the Wi-Fi module.**
   Gently pull out the tabs on one side of the Wi-Fi module and open the module.

Figure 17. Open the Wi-Fi module



5. **Make sure the Wi-Fi board is positioned correctly.**
   Check the placement of the Wi-Fi board inside the module, and verify the following:
   - The small Wi-Fi board is centered within the module, as shown by the red arrows in the image below.
   - The small black button (circled in red) is aligned with the white pairing button on the module housing.
   - The holes in two corners of the board (circled in blue) are positioned on the small white posts of the housing.

Figure 18. Check the placement of the Wi-Fi board



6. **Close the Wi-Fi module.**
   While carefully holding the board in place, put the two sides of the module back together, and snap the tabs closed on both sides of the module.
7. **Press the pairing button again for 10 seconds.**
8. **Retry the pairing process.**
   Repeat the procedure in section 5.2.
   - If the pairing is successful, continue to section 7 to close the AIO® unit.
   - If the pairing process still fails, contact VIP customer support.

7. CLOSING THE AIO® UNIT

After the installation and pairing are complete, close the unit according to the procedure in the installation guide for the relevant AIO® unit and gateway, in the "Close" section as listed in Table 2.

Table 2. Installation guides for closing AIO® units

AIO® Unit	Installation Guide	"Close" Section
With the GWX Gateway:		
Wall Mounted (Gen 1)	Not used together	N/A
Wall Mounted (Gen 2)	AIO® GWX Gateway for AIO® Heat Pumps Installation Guide	7.4
Wall Mounted (Gen 3)		8.4
Ceiling Ducted (all) / Ceiling Suspended (with ERV option)		9.4
Ceiling Suspended (without ERV option)		10.4
Vertical Stack		11.4
Vertical Stack XL		12.4
With the GWN Gateway:		
Wall Mounted (Gen 1)	AIO® GWN Gateway for AIO® Heat Pumps Installation Guide	7.4
Wall Mounted (Gen 2)		8.4
Wall Mounted (Gen 3)		9.4
Ceiling Ducted (all) / Ceiling Suspended (with ERV option)		10.4
Ceiling Suspended (without ERV option)		11.4
Vertical Stack		12.4
Vertical Stack XL		13.4

8. WARRANTY TERMS AND CONDITIONS

Controllers and gateways carry a two-year warranty.

8.1 Exclusions and limitations

The above-noted warranty shall not cover:

- Any damage resulting from improper voltage supplied to the AIO® unit.
- Damage to a controller, gateway, or module where there is a corrosive atmosphere containing any damaging chemical, such as chlorine or fluorine.
- Failure of the controller, gateway, or module due to acts of God, natural disasters, power failures, interruptions, brownouts or power spikes, or due to incorrect or inadequate electrical service, or failure of internet services or home networks.
- Damages or personal injury caused directly or indirectly by failure or malfunction of the controller, gateway, or module as a result of any cause, including natural disasters, accidents, misuse, improper wiring, or installation.

For additional information and any product inquiries, contact:

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