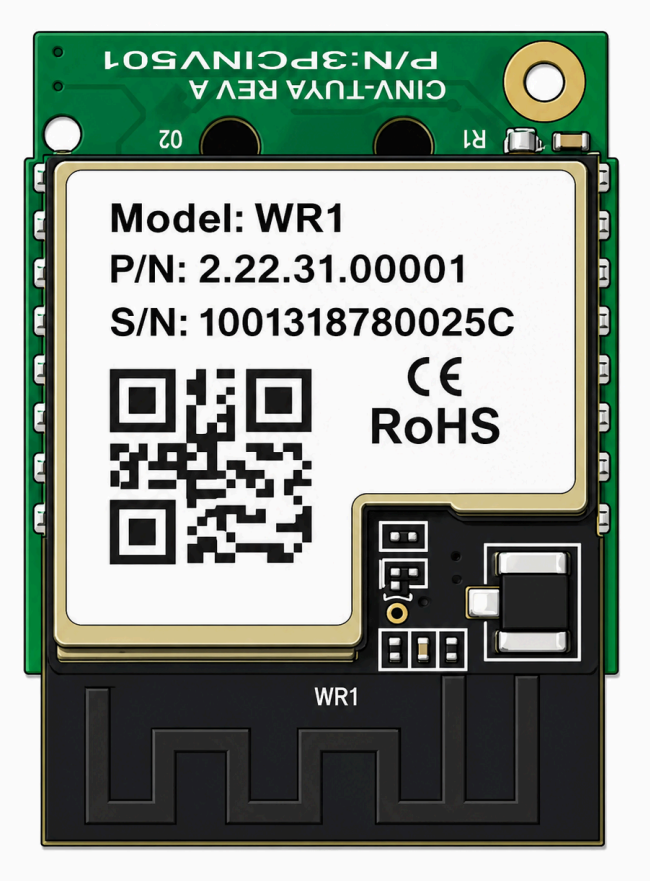
AIO® WIFI30 Wi-Fi Module (2.4 GHz) and Smart Life App

Installation and User Guide



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DISCLAIMER

IMPORTANT - TRAINING IS REQUIRED PRIOR TO PERFORMING ANY INSTALLATION.

While this guide outlines the general installation requirements for the unit, it does not replace required installer training. Before commencing installation, the project manager must contact the INNOVA VIP Department at (212) 204-2700 to coordinate training for the installer.

Failure to ensure that installation is performed by INNOVA-trained personnel may result in improper operation or equipment damage, and may void the warranty.

Training may be conducted in person or remotely (online).

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Illustrations may not be to scale, and all information and dimensions stated herein are subject to change at any time at the sole discretion of INNOVA. Benefits described herein apply only to the extent that the product is installed correctly in the correct application and used for its intended purpose.

INNOVA is constantly innovating and improving its products and reserves the right to modify product design and specifications without notice and without incurring any obligations.

REVISION HISTORY

Rev	Date	Revised By	Changes
A	2026-03-31	Leah Kuber	Add references to installing the gateway for all relevant AIO® units and gateways.
B	2026-04-15	Leah Kuber	Remove references to MOD-TPG since it does not have Wi-Fi capability.
C	2026-05-03	Design team and Leah Kuber	Update all illustrations; update links for GWB20 gateway and remove notes about alternate documentation.
D	2026-08-03	Leah Kuber	Remove references to TPG015 gateway and clarify that this module can only be used with the GWB20 gateway, or without a gateway.

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1. ABOUT THIS GUIDE

This guide outlines the required procedures for safely installing the WIFI30 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 included 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. Each warning panel displays a background color and a signal word and includes an icon to specify the topic.

DANGER

A red notice with the **DANGER** title indicates an imminently hazardous situation that could result in death or serious injury if not avoided.

WARNING

The orange notice with the **WARNING** title indicates a potential hazard that, if not avoided, could result in death or serious injury.

CAUTION

The yellow notice with the **CAUTION** title indicates a hazardous situation that, if not avoided, could result in minor to moderate injury or property damage.

Warning icons
The warning icons indicate the type of risk and are used in conjunction with the safety notice panels.

	The flame icon indicates information related to a hot surface or explosion hazard.
	The lightning-bolt icon indicates a warning related to electrical hazards.
	The hand icon indicates information related to a hazard involving moving parts and sharp surfaces.
	The exclamation-mark icon indicates general hazards (environmental, lifting, and other categories).

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. WIFI30 MODULE OVERVIEW

This guide explains how to install the WIFI30 2.4 GHz Wi-Fi module in an AIO® unit and connect the unit to the Tuya "Smart Life" mobile app. Once installed and paired over a 2.4 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 WIFI30 module is installed either by connecting it directly to the controller board of the AIO® unit or by connecting it to a GWB20 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 procedures for installing the gateway are described in detail in the AIO® GWB20 Gateway for AIO® Heat Pumps Installation Guide, and references to the relevant sections are provided in the text.

All references to a gateway in this document refer to the GWB20 gateway control board..

2.1 AIO® unit compatibility

The WIFI30 2.4 GHz Wi-Fi module is compatible with the following AIO® units:

- AIO® Wall Mounted Standard/Pro (Gen 1 only)
- AIO® Ceiling Ducted (with or without ERV)
- AIO® Ceiling Suspended (with or without ERV option)
- AIO® Vertical Stack (Gen 3 only)
- AIO® Vertical Stack XL

The WIFI30 Wi-Fi module can be installed in any of these units when either a GWB20 gateway is installed or there is no gateway installed, as explained above:

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

3. SAFETY GUIDELINES - READ BEFORE INSTALLING

This guide details the proper steps to take for the safe installation of a WIFI30 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 gateway. Pay careful attention to all safety notices and warnings.

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

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.

3.1 Fire/explosion hazards

⚠ WARNING

- In the event of abnormal conditions (such as a strange or burning smell, noise, or smoke), turn off the unit and disconnect it from its power source immediately. Report the issue immediately to your INNOVA representative or distributor.
- Servicing shall be performed only as recommended by the manufacturer.

3.2 Electrical hazards

⚠ DANGER

- Only trained HVAC technicians may install this gateway. 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.
- Before installation, maintenance, or servicing, disconnect power to the entire system. Verify that power to the entire system is down, including any remote disconnects, peripherals, third-party devices, and devices operating on the unit's network.
- Follow all OSHA-compliant Lockout/Tagout (LOTO) procedures.

⚠ WARNING

- All electrical connections, wiring, and grounding must be done by a qualified electrician and must comply with the National Electrical Code (NEC/NFPA-70) and all local codes that hold jurisdiction. Improper wiring or loose connections may cause overheating, fire, or electric shock.
- Use only the supplied installation-specific components. Using different components could lead to water leakage, electric shock, or fire.
- Do not open access panels to the interior of the unit without first disconnecting the power and/or turning off the breaker.
- The unit contains capacitors that may retain an electrical charge after the power is disconnected. Thus, before beginning any installation or servicing, to avoid electrical shock or serious injury, be sure to:
  - Discharge all motor start/run capacitors.

⚠ WARNING

  - Verify (using a voltmeter) that no power is running into the unit.
  - Wait at least five minutes for the AIO® unit to cool down and for the capacitors inside the unit to discharge.

⚠ CAUTION

- In the event of a blackout or thunderstorm, turn the unit off and disconnect it from the power source immediately.

3.3 Moving parts hazards

⚠ DANGER

- Do not operate the equipment with panels, guards, or covers removed, except when specifically instructed by the procedures below to test the installation.
- Ensure power is disconnected and components have come to a complete stop before accessing the interior. Internal fans, motors, and other moving components may start automatically when power is supplied.

⚠ WARNING

- Keep hands, hair, tools, and loose clothing away from fans and moving components. Contact with moving parts can cause serious injury.
- Do not remove, bypass, or disable protective covers, guards, or safety interlocks.

3.4 General safety guidelines

⚠ WARNING

- Do not modify or tamper with the gateway or 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.
- Only a qualified HVAC professional may install this unit. The installer must be licensed, insured, or bonded, as required by local regulations.



Installation by anyone other than an INNOVA-trained and qualified HVAC professional voids the warranty on the unit.

3.5 Installer responsibilities

- Install the unit safely and in accordance with all applicable local and national codes and regulations.
- Ensure that you fully understand the product and the installation procedures before beginning installation. Installation activities involve greater risk than normal system operation.
- Provide the customer with the information necessary to operate the system safely after installation.

The safety precautions in this guide are intended to supplement recognized best practices. In the event of a conflict, the more stringent safety measure always takes precedence.

4. INSTALLING THE WI-FI MODULE IN THE UNIT

To install the WIFI30 Wi-Fi module in an AIO® unit, perform the following steps:

1. Open the AIO® unit. See Section 4.1.
2. Install the Wi-Fi module in the unit:
   - When using a gateway:
     a. If the gateway is not already installed, install the gateway in the unit. See Section 4.2.
     b. Install the Wi-Fi module on the gateway board. See Section 4.3.
   - When a gateway is not used:
     Install the Wi-Fi module directly on the controller board of the unit. See Section 4.4.
3. Verify the Wi-Fi module is communicating with the unit. See Section 4.5.
4. Pair the Smart Life app with the unit. See Section 5.
5. Close the AIO® unit. See Section 6.

The WIFI30 Wi-Fi module only works with the "Smart Life" app from Tuya Inc. Instructions for downloading this app are provided below.

4.1 Opening the AIO® unit

Open the AIO® unit as described in the AIO® GWB20 Gateway for AIO® Heat Pumps Installation Guide, in the relevant section for the specific unit, as listed in the "Open" section in Table 1.

Table 1. Installation guide sections for opening units

AIO® Unit	"Open" Section
Wall Mounted (Gen 1)	6.1
Ceiling Ducted (all)	7.1
Ceiling Suspended (with ERV option)	7.1
Ceiling Suspended (without ERV option)	8.1
Vertical Stack	9.1
Vertical Stack XL	10.1

4.2 Installing the gateway (if needed)

If the WIFI30 Wi-Fi module is to be connected to a gateway, and the gateway is not already installed in the AIO® unit, install the gateway as described in the AIO® GWB20 Gateway for AIO® Heat Pumps Installation Guide, in the relevant section for the specific unit, as listed in the "Install" sections in Table 2.

Table 2. Installation guide sections for installing gateway

AIO® Unit	"Install" Sections
Wall Mounted (Gen 1)	6.2, 6.3
Ceiling Ducted (all)	7.2, 7.3
Ceiling Suspended (with ERV option)	7.2, 7.3
Ceiling Suspended (without ERV option)	8.2, 8.3
Vertical Stack	9.2, 9.3
Vertical Stack XL	10.2, 10.3

4.3 Installing the Wi-Fi module on the gateway

When a gateway is installed in the AIO® unit, follow the steps below to install the WIFI30 Wi-Fi module on the gateway.

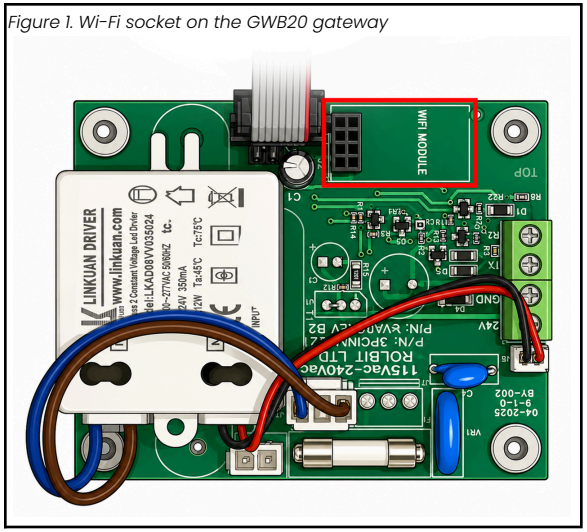
When a gateway is not being used, follow the procedure in section 4.4.

Although most AIO® units (except Wall Mounted Gen 2+) have a Wi-Fi socket on the controller board of the unit, the gateway installation uses this socket for the flat ribbon communication cable. Therefore, the Wi-Fi module must be installed on the gateway that is installed in the unit.

To install the WIFI30 Wi-Fi module on the gateway:

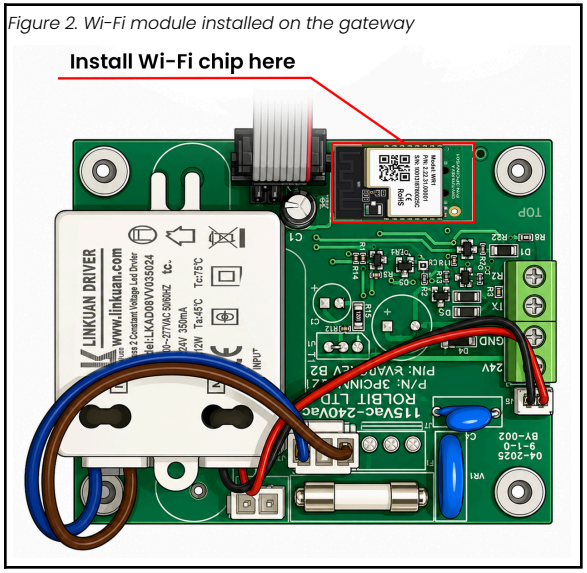
1. **Connect the Wi-Fi module to the gateway.**
   a. Locate the Wi-Fi socket on the gateway.
   The GWB20 gateway board has a black, eight-hole socket with space next to it for a small Wi-Fi module, as shown below.

Figure 1. Wi-Fi socket on the GWB20 gateway



   b. Insert the eight-pin connector of the Wi-Fi module into the socket on the gateway board.

Figure 2. Wi-Fi module installed on the gateway



4.4 Installing the Wi-Fi module on the unit controller

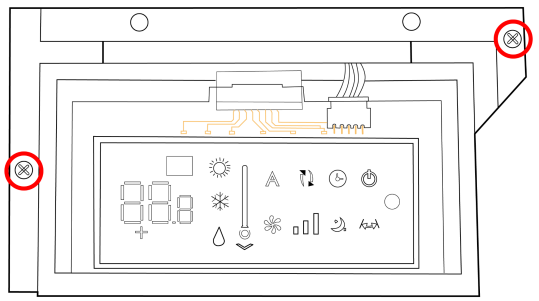
When a gateway is not used, follow the steps below to install the WIFI30 Wi-Fi module directly on the AIO® unit controller board.

When a gateway is installed in the AIO® unit, follow the procedure in section 4.3.

To install the WIFI30 Wi-Fi module on the gateway:

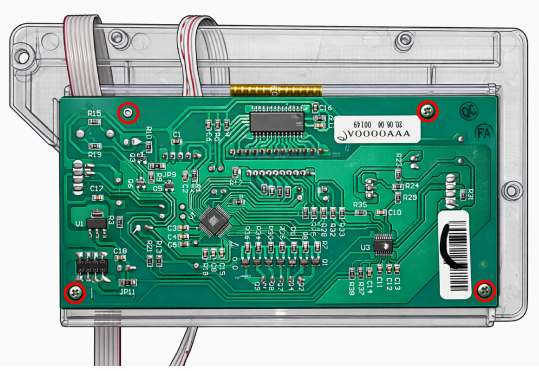
1. **Access the onboard touch controller.**
   a. Remove the two screws to detach the onboard touch controller housing from the unit.

Figure 3. Access the controller



   b. Remove the four screws to take the controller out of the housing.

Figure 4. Open the controller housing

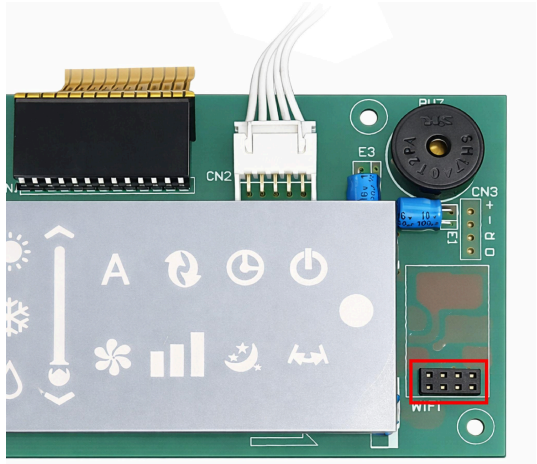


⚠CAUTION

Handle the control board and all electronic components with care to avoid damage.

2. **Connect the Wi-Fi module to the controller board.**
   a. Locate the black, eight-hole Wi-Fi socket on the right side of the controller circuit board.

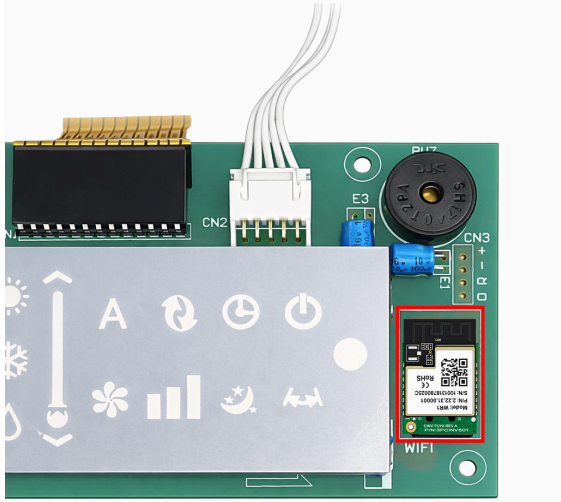
Figure 5. Wi-Fi socket on the unit controller board



If there is already a different Wi-Fi module in the Wi-Fi socket, remove it to enable installing the WIFI30 module. The other module is not needed.

   b. Insert the black, 90° eight-pin connector on the Wi-Fi module securely into the Wi-Fi socket on the controller circuit board.

Figure 6. Insert the Wi-Fi module into the controller socket



3. **Reattach the onboard touch controller.**
   a. Replace the controller in its housing and secure it using the four screws removed in Step 1b above.
   b. Reattach the controller housing to the unit using the two screws removed in Step 1a above.

4.5 Integrating the Wi-Fi module with the unit

1. **Reconnect the power supply to the unit and turn it on.**
2. **Verify communication is initialized between the Wi-Fi module and the AIO® unit.**
   When a new Wi-Fi module is installed, communication should begin initializing as soon as the AIO® unit is turned on. In this case, a few seconds after powering on, the display on the unit will begin to cycle back and forth between 61°F (16.1°C) and 63°F (17.2°C), and the fan icon will cycle through low, medium, and high.

Figure 7. Display cycling on the AIO® unit



3. **If initialization does not begin automatically, reset the module.**

We recommend performing this initialization now, before beginning the pairing process. However, it can also be done during the process, as noted below.

If the display does not begin cycling when the power is connected, do the following:

a. Set the unit to Fan-Only mode by pressing and holding the fan icon for three seconds. After three seconds, the unit will beep, and the display will appear as shown in Figure 8 above, with all mode icons disabled and only the fan icon and the fan speed indicator lit.

When the unit is turned on, it will revert to the last settings before it was turned off. If it is already in Fan-Only mode, there is no need to reset it.

b. If the fan speed indicator does not show three bars (high speed), press the fan icon repeatedly to adjust the speed until three bars are displayed.

c. Reset the module by disconnecting the power for ten seconds, then reconnecting the power for five seconds, a total of three times.

After the third time, the display should begin cycling as described above.

5. CONNECTING THE UNIT TO THE SMART LIFE APP

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

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 or other devices.

5.1 Downloading the Smart Life app

1. **Download the Smart Life App.**
   Scan the QR code in Figure 9 to download the **Tuya Smart Life** app 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 8. QR code for downloading the Smart Life App



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

Figure 9. Smart Life Login screen



5.2 Pairing the unit with the Wi-Fi network

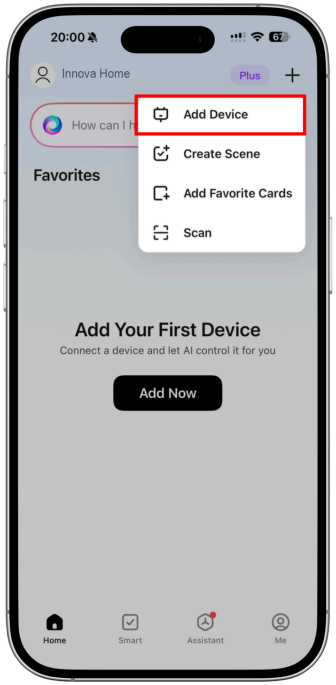
The process of pairing the Wi-Fi module on the AIO® unit with the Wi-Fi network is described below. For an example of this process, you can also view this video.

Before beginning the pairing process, place your Wi-Fi 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.**
   a. On the Home screen of the Smart Life app, click the **+** sign at the top right, then click **Add Device**.

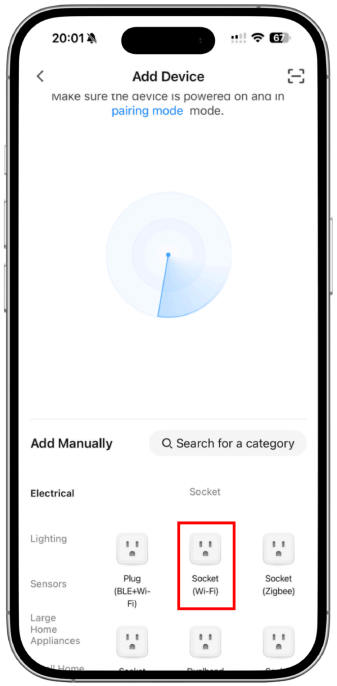
In the Smart Life app, "device" refers to the Wi-Fi module. Since the module is installed on the gateway, which is installed in the AIO® unit, pairing the module with the network is effectively the same as pairing the AIO® unit.

Figure 10. Smart Life: Add Device



   b. When you see the radar spinner, click **Socket (Wi-Fi)**.

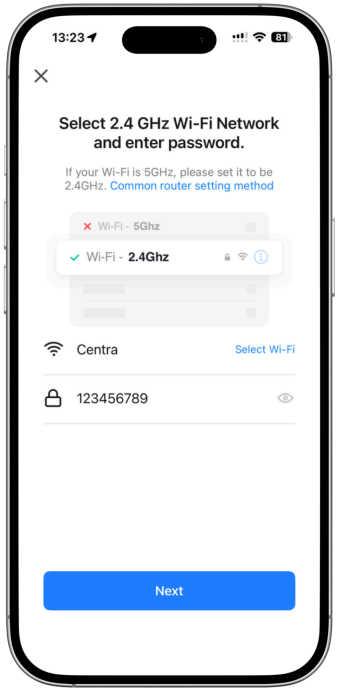
Figure 11. Smart Life: Adding the device



- If the Smart Life app cannot find the Wi-Fi module, restart the network router and then try to add the device again.
- If the connection still fails, use AP mode.

2. **Connect to your Wi-Fi network.**
   a. Make sure your mobile phone is connected to the local 2.4 GHz Wi-Fi network.
   b. When prompted, enter the network password and click **Next**.

Figure 12. Select the local network

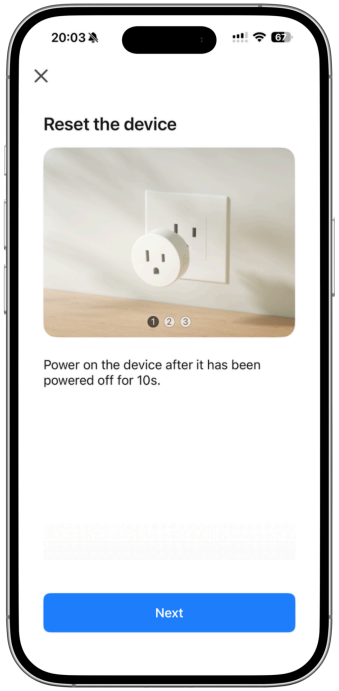


When using a WIFI30 Wi-Fi module, make sure not to connect it to a 5 GHz network or a 2.4 GHz/5 GHz dual-band network.

3. Confirm that communication was reset.

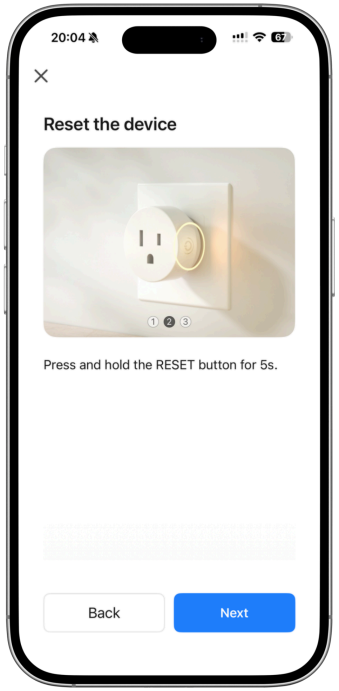
a. When the app displays the Reset the Device screen, click **Next**.

Figure 13. Smart Life: Reset device stage 1



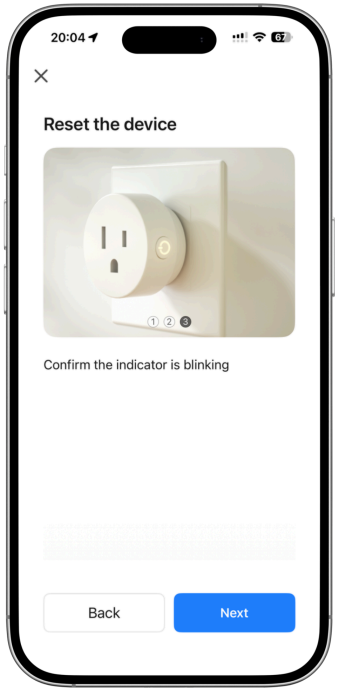
b. Click **Next**.

Figure 14. Smart Life: Reset device stage 2



c. Click **Next**.

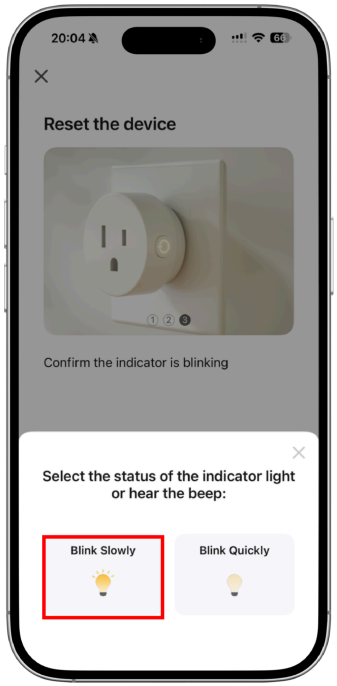
Figure 15. Smart Life: Reset device stage 3



d. When prompted to "select the status of the indicator light", if communication between the Wi-Fi module and the AIO® unit was not initialized before beginning the pairing process, perform the reset now as described in Section 4.5, Step 2b.

e. After communication is initialized as described in Section 4.5, Step 2a, or if this was done before beginning the pairing process, click **Blink Slowly**.

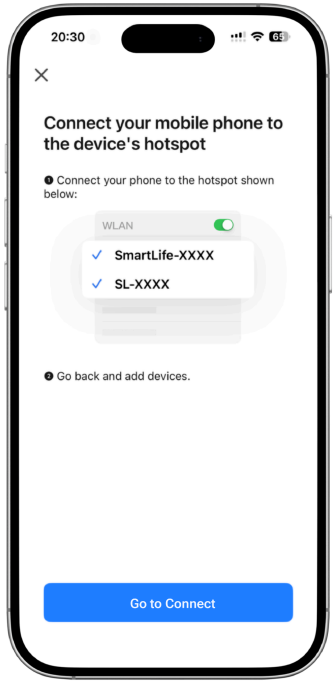
Figure 16. Smart Life: Confirm communication was initialized



4. Complete the pairing process.

a. After a few seconds, the Smart Life SSID (network name) should be displayed.

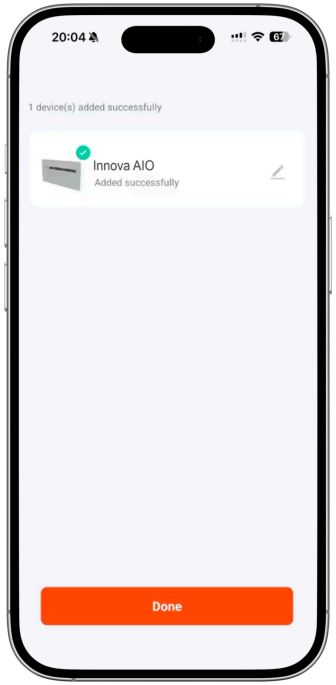
Figure 17. Smart Life: Complete the pairing



b. If the app does not find it automatically, click **Go to Connect** and select the network that starts with "Smart Life".

c. When the pairing is complete, the unit will be displayed on the screen with a notification that it was added successfully. Click **Done**.

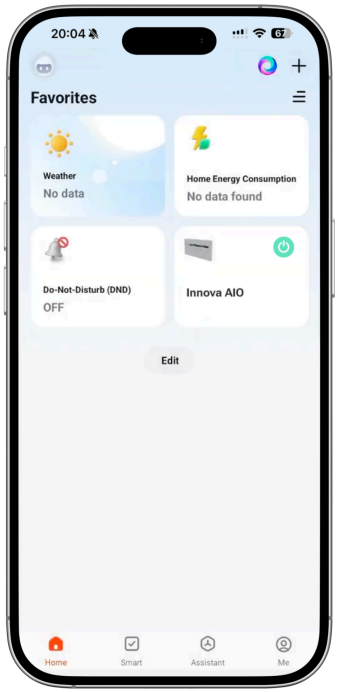
Figure 18. Smart Life: Pairing complete



5. The unit can now be controlled via the app.

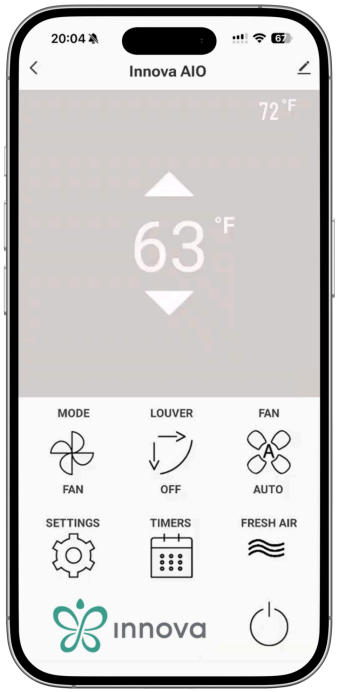
a. To control the AIO® unit via Wi-Fi, open the app to the Home screen and select the AIO® unit.

Figure 19. Smart Life: Home screen with new device



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

Figure 20. Using the mobile phone as a controller



6. CLOSING THE UNIT

After the Wi-Fi module is installed, close the AIO® unit as described in the AIO® GWB20 Gateway for AIO® Heat Pumps Installation Guide, in the relevant section for the specific unit, in the "Close" section as listed in Table 3.

Table 3. Installation guide sections for closing AIO® units

AIO® Unit	"Close" Section
Wall Mounted (Gen 1)	6.4
Ceiling Ducted (all)	7.4
Ceiling Suspended (with ERV option)	7.4
Ceiling Suspended (without ERV option)	8.4
Vertical Stack	9.4
Vertical Stack XL	10.4

7. WARRANTY TERMS AND CONDITIONS

Controllers and gateways carry a two-year warranty.

7.1 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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With over 20 years of experience in the climate comfort sector, we have a clear goal: growth through innovation. Our team is laser-focused on the conception, development, and production of innovative heating, ventilation, and air conditioning solutions. This mission has developed through bringing together technical skills, creativity, technology, design, Italian passion, and a global vision to achieve the best energy efficiency and performance.

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MADE IN ITALY

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AIO® WIFI30 Wi-Fi Module (2.4 GHz) and Smart Life App
Installation and User Guide