airconwithme

Device Configuration

Important User Information

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1. Description

1.1   Introduction

Airconwithme is the perfect IoT solution for AC management. It has been developed under Mitsubishi Heavy specifications and offers the possibility to control the domestic AC unit from an app available for Android and iOS.

The Airconwithme system offers functionalities like energy saving making the product the best professional solution for offices, stores, schools, or any other commercial building.
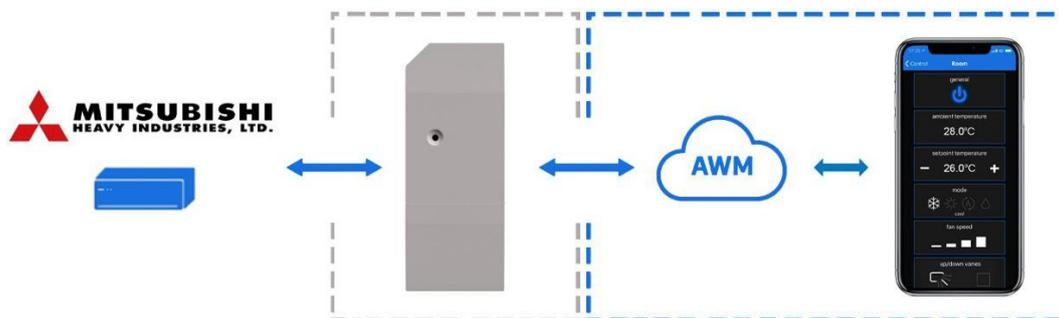

Figure 1.1 Airconwithme integration.

1.2   About this document

This document describes how to configure the Airconwithme device It contains the meaning of the feedback light from Airconwithme LED during the configuration process and working mode

1.3   What is needed

To use Airconwithme system is needed, at least, the following:

- **Airconwithme device.**
  Before start using Airconwithme is needed to acquire (if the user hasn't done yet) an Airconwithme device[1]. In addition, is necessary be close to it (See Figure 1.2)

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[1] Airconwithme devices can be purchased in your usual air conditioner or heat pump reseller center.

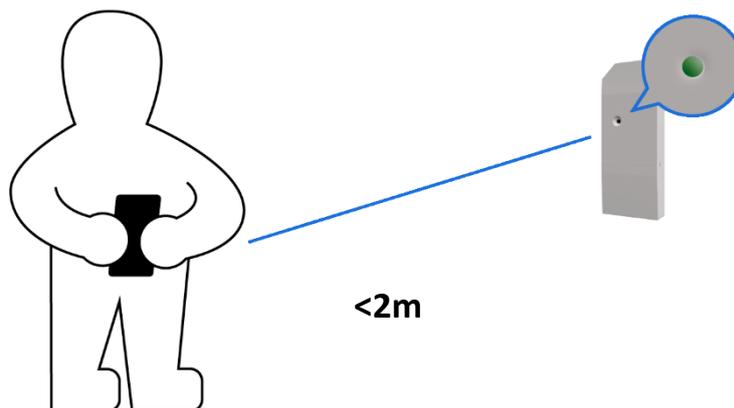airconwithme   URL   https://airconwithme.com

Figure 1.2 Get close to the device.

- **Make sure Airconwithme device is compatible with the Indoor unit.**
  Check the compatibility.

- **Internet access[2].**
  The Airconwithme device must be connected to internet using Wi-Fi, therefore make sure the Wi-Fi signal reaches the device location (See Figure 1.3).
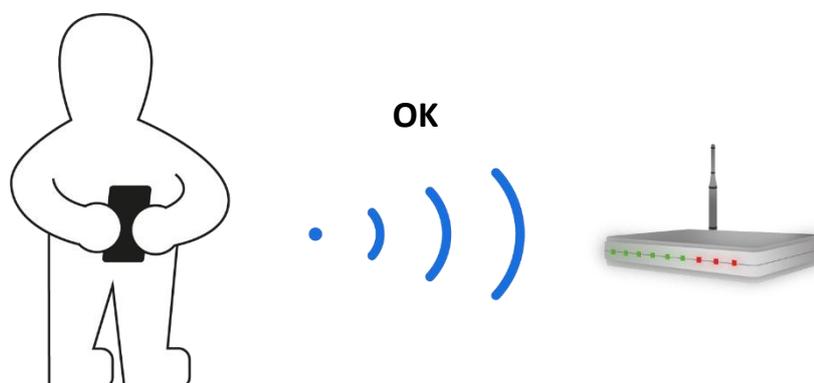

Figure 1.3 Check Wi-Fi Signal.

- **Device with Internet access:**
  A device with internet access is needed (Smartphone or Tablet).

  Make sure the smartphone or tablet used is Android or iOS compatible.

  In addition, double check that the data is turned off and Wi-Fi is turned on.

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[2] Costs related with Internet access are not included in the Airconwithme price. Ask your Internet Service Provider about the associated costs of your Internet connection.

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2. Airconwithme Button

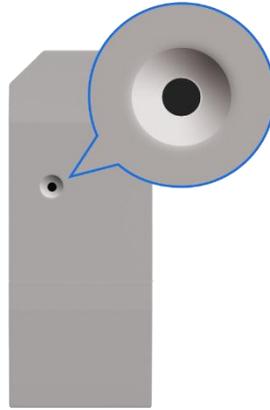Airconwithme devices have one unique button (See Figure 2.1).

Figure 2.1 Airconwithme´s button

2.1   Reset Wi-Fi settings

To reset the Wi-Fi information in an Airconwithme device is needed to hold the button for 10 seconds (See Figure 2.2), the light of the LED will blink in green after some seconds it will turn steady green (See Figure 2.3).
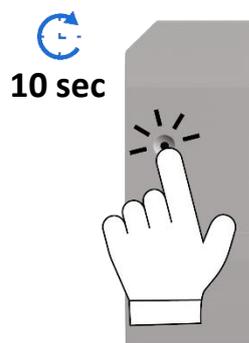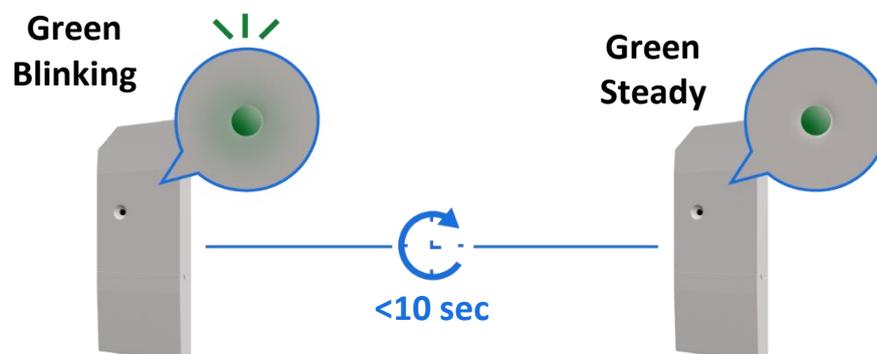

Figure 2.2 Reset Wi-Fi procedure.

Figure 2.3 Reset LED feedback.

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2.2   WPS mode

Press one time the button to activate the WPS mode in the Airconwithme device (See Figure 2.4), the light of the LED will blink in blue (See Figure 2.5).
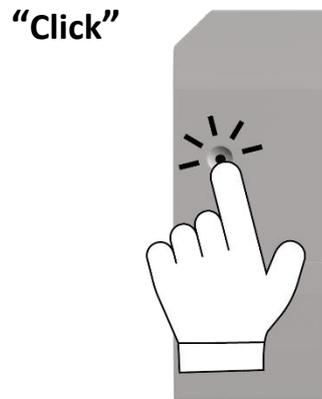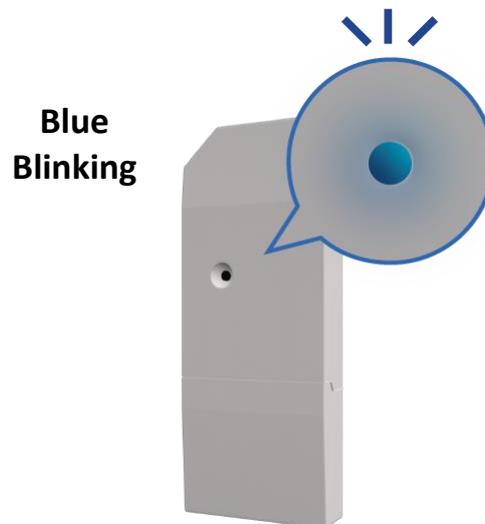
"Click"

Figure 2.4 WPS mode.

Blue
Blinking

Figure 2.5 WPS mode LED feedback.

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2.3   Change Wi-Fi channel

Holding the button for 2 seconds to change the channel of the Wi-Fi network (See Figure 2.6), the light of the LED will blink in green and it will turn steady green (See Figure 2.7). The process can be repeated until reach the channel wanted.
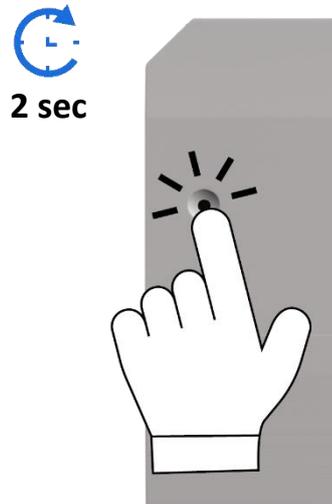
2 sec

Figure 2.6 Change Wi-Fi channel procedure.

Green Blinking   **Green Steady**

<2 sec

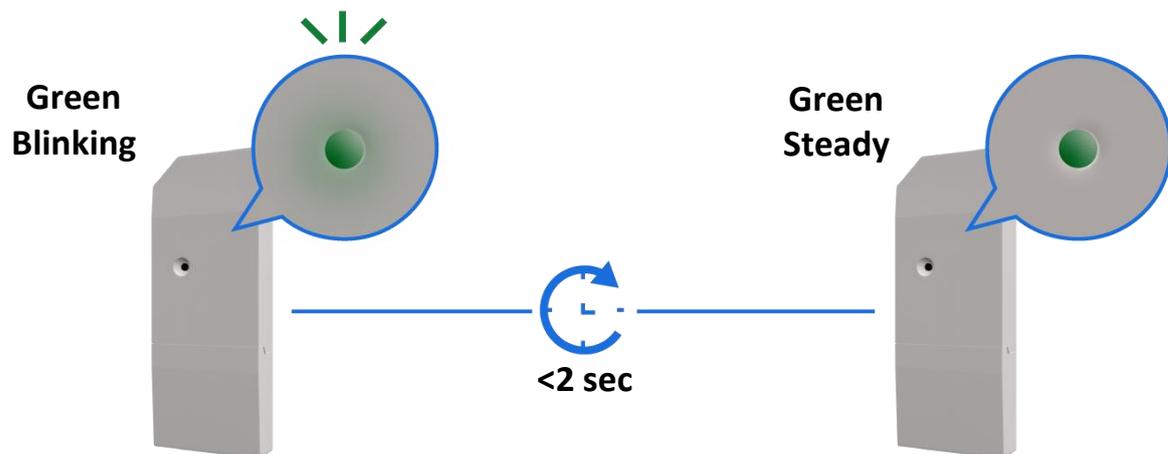**Figure 2.7** Change Wi-Fi channel LED feedback.

3. Configuration

> ⚠️ **Note:** Make sure to reset the Wi-Fi configuration. Further information can be found in Section 2.1.

There are 2 ways to realize the procedure

1. Tap on the white square in the main page (See Figure 3.1).
2. Login, tapping on settings and on the white square (See Figure 3.2).

Figure 3.1 Access to Configuration network device without login.
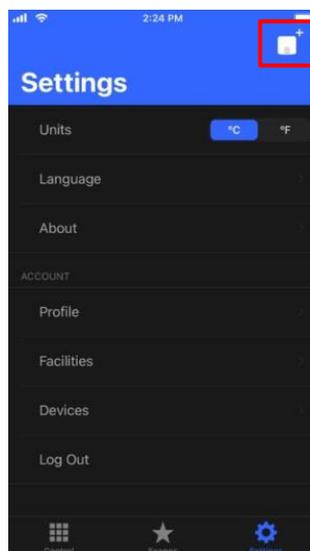

Figure 3.2 Access to Configuration network device from settings login.

Go to Wi-Fi settings of your mobile or Table and select the network generated by Airconwithme device (See Figure 3.3). Tap on **Next**.

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In case the user is not connected to the device network a pop-up window will be shown asking to connect to it. (See Figure 3.4).

The mode to configure the Wi-Fi network can be selected as preference. Further information about each mode configurations will be found at Section 3.3, Section 3.4 and Section 3.5.

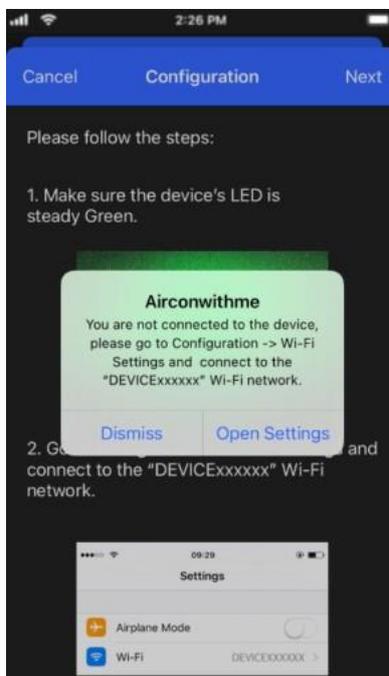**Figure 3.3** Configuration network procedure.

Figure 3.4 Configuration network warning pop-up window.

If the configuration network has been carried out successfully the light of the LED will follow a light sequence (See Figure 3.5). Tap on **Done**.

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Figure 3.5 LED configuration network sequence.

3.3   Automatic
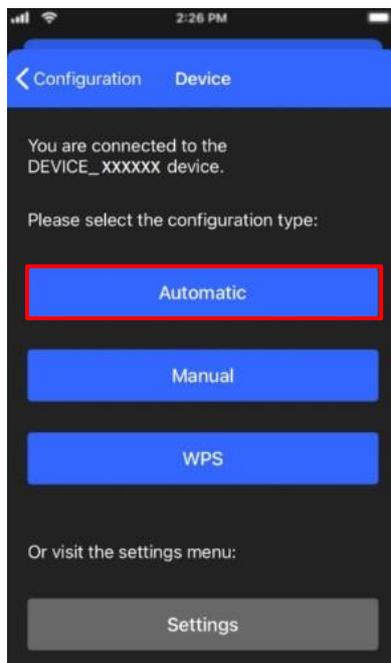
1. Tap on **Automatic** (See Figure 3.6)

Figure 3.6 Automatic configuration procedure.

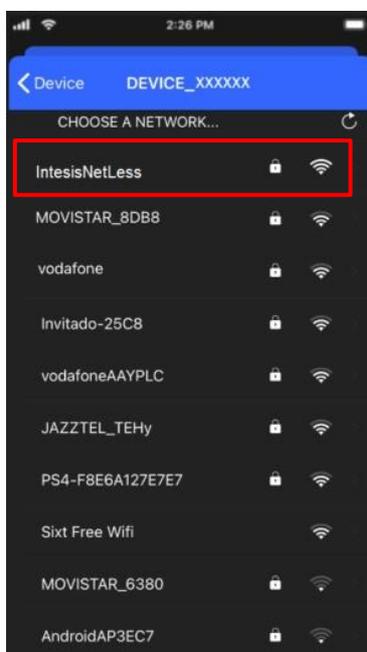2. Tap on name of the network wanted (See Figure 3.7)

Figure 3.7 Wi-Fi Network selection.

3. Enter the password of the Wi-Fi network selected, to double check if the password entered is the correct one and tap on show password (See Figure 3.8). Tap on **Connect**.

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Figure 3.8 Enter password.

If the configuration network has been carried out successfully the light of the LED will follow a light sequence (See Figure 3.5). To continue tap on done.

In case the light of the LED does not follow the sequence or start lighting different, start the process from the beginning.

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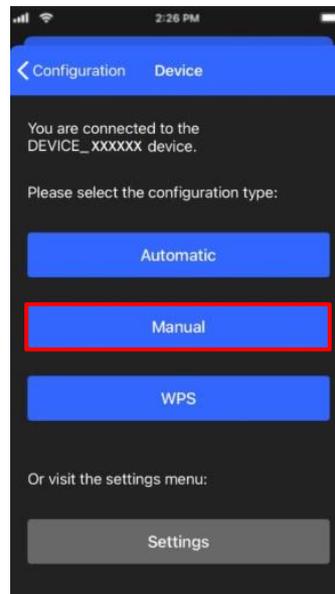
3.4   Manual

Tap on **Manual** (See Figure 3.9)

Figure 3.9 Manual configuration procedure.

- In case to select the security open, type the SSID of the Wi-Fi network wanted. (See Figure 3.10). Tap on **Connect**.
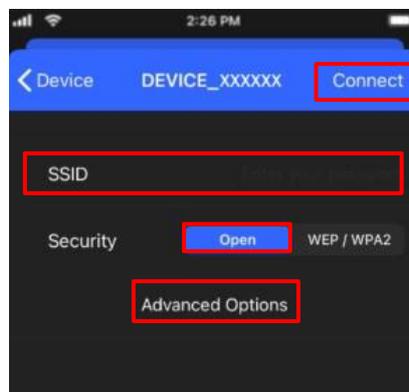

Figure 3.10 Security Open.

If the configuration network has been carried out successfully the light of the LED will follow a light sequence (See Figure 3.5). Tap on **Done**.

In case the light of the LED does not follow the sequence or start lighting different, start the process from the beginning.

- In case to select the security WEP/WAP2 type the SSID of the Wi-Fi network wanted. Also, type the password Wi-Fi network and to make sure is well entered slide Show password selector (See Figure 3.11). Tap on **Connect**.

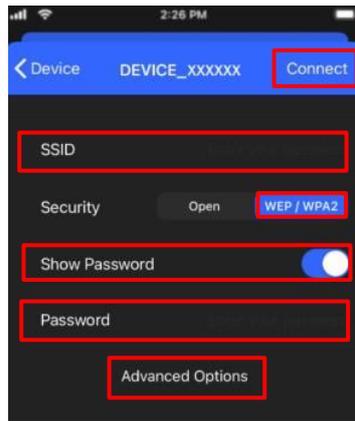airconwithme   URL │ https://airconwithme.com

Figure 3.11 Security WEP/ WPA2.

If the configuration network has been carried out successfully the light of the LED will follow a light sequence (See Figure 3.5). Tap on **Done**.

In case the light of the LED does not follow the sequence or start lighting different, start the process from the beginning.

In manual mode is an option for advanced configuration. (See Figure 3.10 and Figure 3.11). By default, it comes in option DHCP (See Figure 3.12). Tap on **Save**.

Figure 3.12 Advanced options (DHCP).

- In case to select Static IP, type the IP address, Subnet Mask and Getaway. (See Figure 3.13). Tap on **Save**.

Figure 3.13 Advanced options (Static IP).

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3.5   WPS

There are 2 ways to start the WPS configuration procedure
1. Tap on **WPS** (See Figure 3.14).
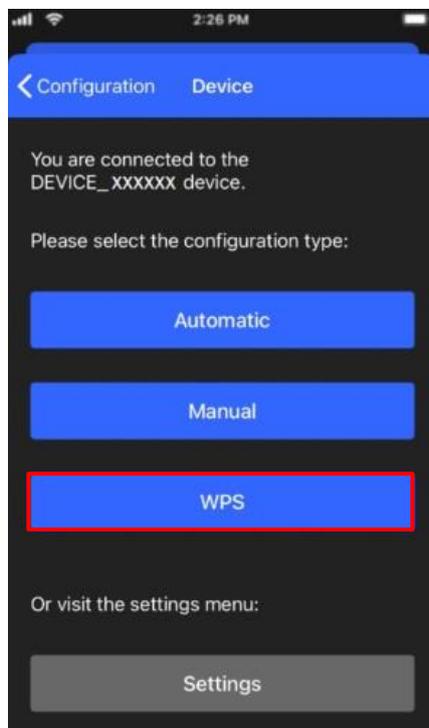2. Press one time the button to activate the WPS. Further information can be found at Section 2.2

Figure 3.14 WPS configuration procedure.

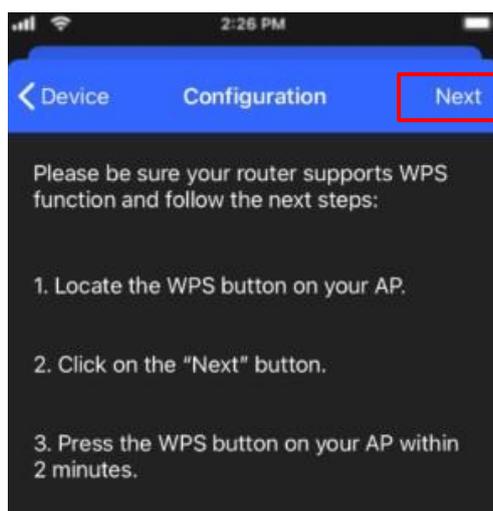Follow the instructions in the screen shown (See Figure 3.15). Tap on **Next**.

Figure 3.15 Instructions to perform WPS mode configuration.

the light of the LED will blink blue, 2 minutes after the WPS button of the router had been pressed the light of the LED will be off (See Figure 3.16).

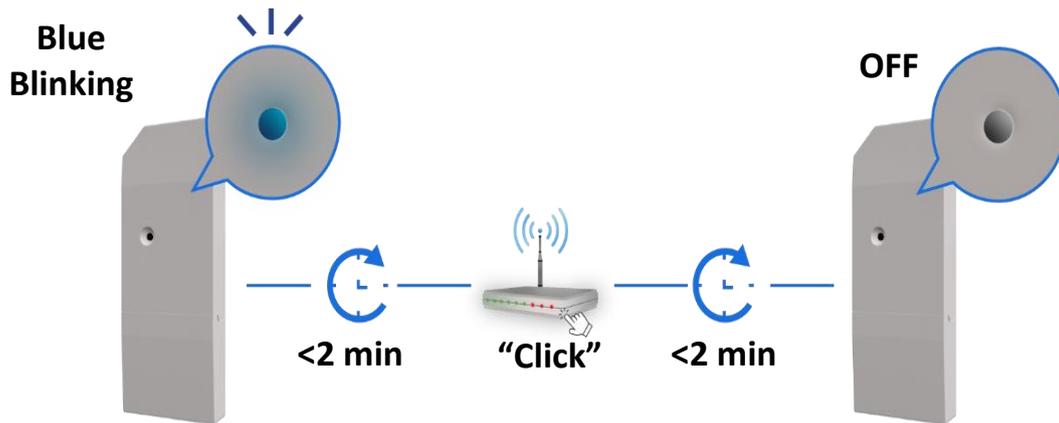airconwithme

URL https://airconwithme.com

Figure 3.16 Performing WPS configuration LED feedback.

If the configuration network has been carried out successfully the light of the LED will follow a light sequence (See Figure 3.5). To continue tap on **Done**.

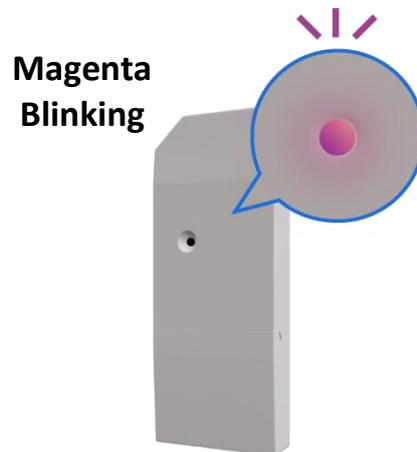In case the light of the LED blinks Magenta (See Figure 3.17), start the process from the beginning.

Figure 3.17 Unsuccessful connection LED feedback.

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3.6   Settings

In settings the domain region where the Airconwithme device will work can be changed, also, if the installation has more than device and the user needs to identify which device is going to be configured it can be called.
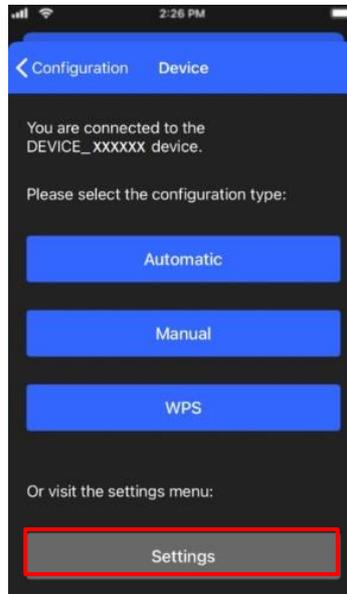
Tap on **Settings** (See Figure 3.18)

Figure 3.18 Settings configuration site.

- To identify to which network Airconwithme device is connected the mobile or tablet tap on Identify (See Figure 3.19). the light of the LED will blink white for 6 seconds, then it will be off (See Figure 3.20).
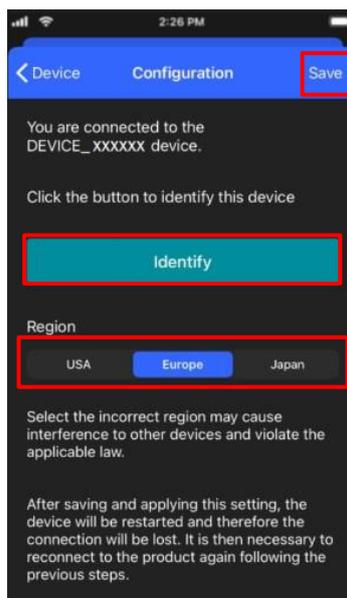

Figure 3.19 Settings Airconwithme.

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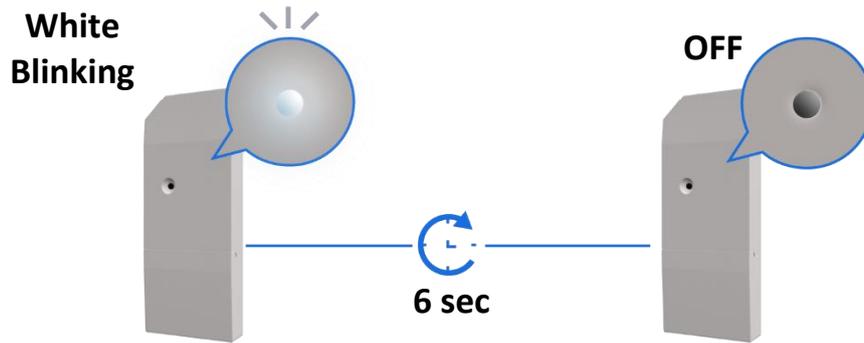URL | https://airconwithme.com

White Blinking

OFF

6 sec

Figure 3.20 Identify LED feedback.

- To change of Region, tap on the region wanted (See Figure 3.19). A pop-up will be shown telling that if the region is changed the configuration process must be started from the beginning (See Figure 3.21). Tap on **OK**.
Tap on S**ave** (See Figure 3.19).

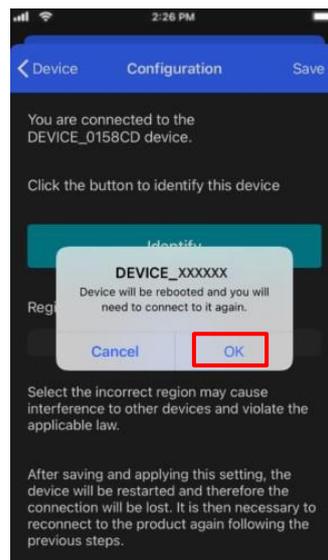   The light of the LED will blink green for 6 seconds, then it will turn steady green (See Figure 3.22)
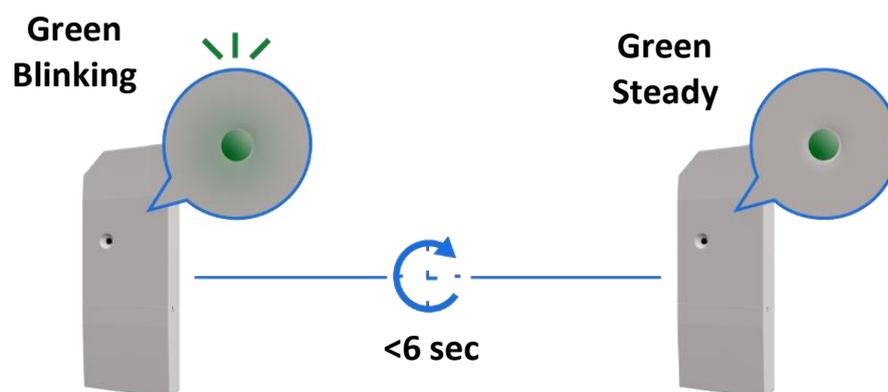

Figure 3.21 Change region.

Green Blinking

Green Steady

<6 sec

Figure 3.22 Selecting region LED feedback.

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4. LED status information

Airconwithme device has an external LED which uses to give the user a feedback to communicate the status of the device.

4.1   LED status during Wi-Fi configuration

LED Color (s)	Behavior	Description
Blue	Blinking	Performing WPS connection (up to 2 min)
Magenta	Blink	WPS connection error
White	Blinking	Identifying Airconwithme Device
Green	Steady	Not configured
Green	Blinking	Checking device configuration parameter values (up to 2 min)
Red	Blinking	Connecting to access point and server (up to 2 min)
Yellow	Blinking	Downloading configuration. Wait (up to 2 min)
Red - Green	Alternate blinking	Error Connecting to Access point or router. Try to connect again and make sure you write the correct password.
Yellow - Green	Alternate blinking	Server not reached. Check if there is Internet connectivity on your Access Point or router.

4.2   LED status during working mode

LED Color	Behavior	Description
Off		Airconwithme device not powered or Airconwithme device working, and the AC unit is Off.
Blue		Indoor Unit ON working in Cool or Dry mode
Red		Indoor Unit ON working in Heat mode
Green	Steady	Indoor Unit ON working in Fan mode
Yellow		Indoor Unit ON working in Auto mode
Cyan		Indoor Unit working in anti-frost mode
Blue		Command received or sent during Cool or Dry mode
Red		Command received or sent during Heat mode
Green	3 blinks	Command received or sent during Fan mode
Yellow		Command received or sent during Auto mode
Cyan		Command sent during anti-frost mode
Red	Blinking	Airconwithme device trying to connect to the Internet

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