AirPatrol WiFi Version 2
Full Manual

V4.2

Index

Installation tips

Router/WiFi connection:

- Enable 2.4GHz bandwidth only
- Make sure network has WPA-PSK or WPA2-PSK security mode
- Special characters (e.g. "&", "-", etc.) in WiFi password are not supported

In case setup fails:

- Do a full reset to controller by pressing **Test** and **Pairing** buttons at the same time until Power LED starts to blink
- Do the setup closer to the router

AirPatrol
WiFi

What AirPatrol WiFi does?

AirPatrol WiFi is an air conditioner (AC) controller you operate with a smart phone or tablet. It is compatible with all major manufacturers' ACs and smartphones. (see www.airpatrol.eu for the complete list)

The easiest way to use AirPatrol WiFi is with a Smartphone, using the AirPatrol app downloadable from Google Play (for Android phones) or App Store (for iPhone). AirPatrol WiFi allows you to have long distance control over the mode of the AC, room temperature, fan speed and mode settings. AirPatrol WiFi can also inform you about high or low room temperature and humidity, air conditioner service intervals, connection failures.

Lights and buttons

The controller has 4 LED indicators and 2 buttons for easy setup. It has also hidden infrared (IR)LEDs that transmit your commands to the AC and IR receiver for auto-detection and custom presets.

LED 1 - Power
on – switched on
blinking – software updating
off – switched off

LED 2 – IR (InfraRed) LED
on – transmitting IR signal

LED 3 – WiFi connection LED
on – connected with access point and internet
blinking – starting connection or no connection to internet
off – no connection

LED 4 - Pairing
on – pairing mode active
off – pairing mode inactive

PAIRING button
Use the PAIRING button to pair your phone or tablet with AirPatrol controller by following the steps described in mobile application.

TEST button
Short push turns the air conditioner ON/OFF. Use the TEST button to confirm that the IR beam from the controller reaches the AC.

NB! Hold both buttons for 5 seconds to make full reset.

WiFi Network

- AirPatrol WiFi requires a router that is compatible with IEEE 802.11 b/g/n standards

- Only IEEE 802.11a/ac (and other, more exotic 802.11) standards are not supported

- AirPatrol WiFi supports WPA-PSK and WPA2-PSK security modes

- Only 2.4GHz band is supported (5GHz band is not supported)

- Make sure you have good WiFi signal at the location you are installing AirPatrol controller

Installing AirPatrol WiFi

AirPatrol WiFi should be mounted near AC's indoor unit, with its IR transmitter pointing to the unit. This way the IR beam reaches the AC's sensor most efficiently.

All mounting configurations are possible as long as IR transmission from the controller to the AC works.

NB! Thick carpets and dark floors can distort the IR beam. Make sure the IR beam reaches the AC's sensor by using the controller's Test function.

To see if AirPatrol WiFi can send commands to your AC, turn it off and press the controller's TEST button. When the connection is established, AirPatrol WiFi turns the AC on with its last settings and you can proceed using the controller.

First please follow Quick Guide steps:

1 Place and plug in AirPatrol WiFi near your AC / heat pump. Use the Test button to make sure AirPatrol can communicate with the AC.

AIR CONDITIONER

2 Download the app from Play Store / App Store.

3 Pair AirPatrol WiFi with your phone and follow the instructions from there.

Pairing

Test
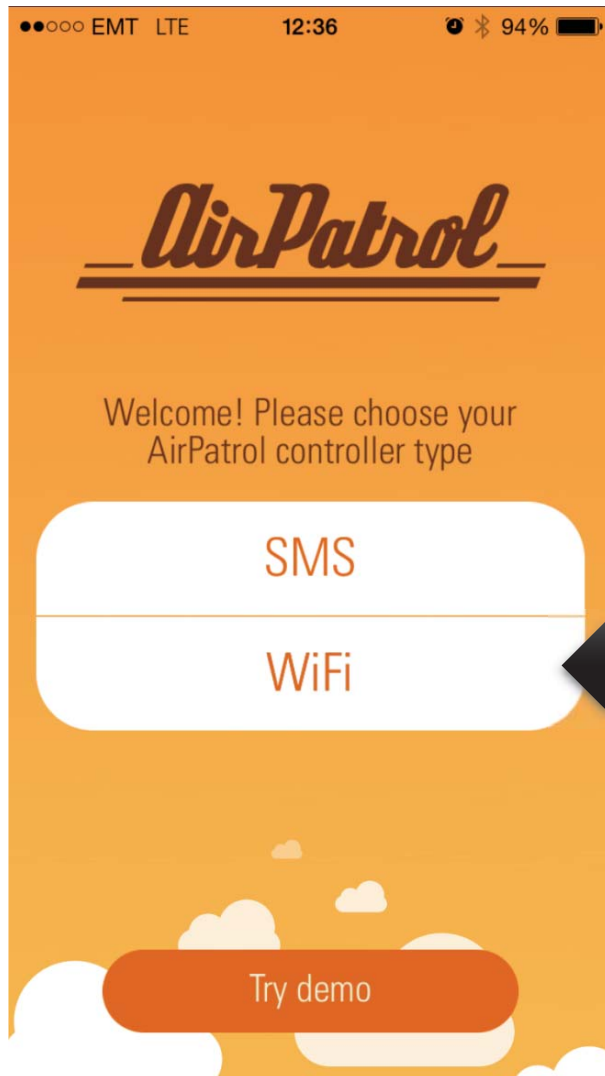
AirPatrol
WiFi

AirPatrol WiFi Setup

Start AirPatrol app and choose WiFi as controller type.

AirPatrol WiFi Setup

1
Controller ID

Scan the QR code under your AirPatrol WiFi controller.

Do not worry if you cannot read the QR code, you can enter the ID manually.
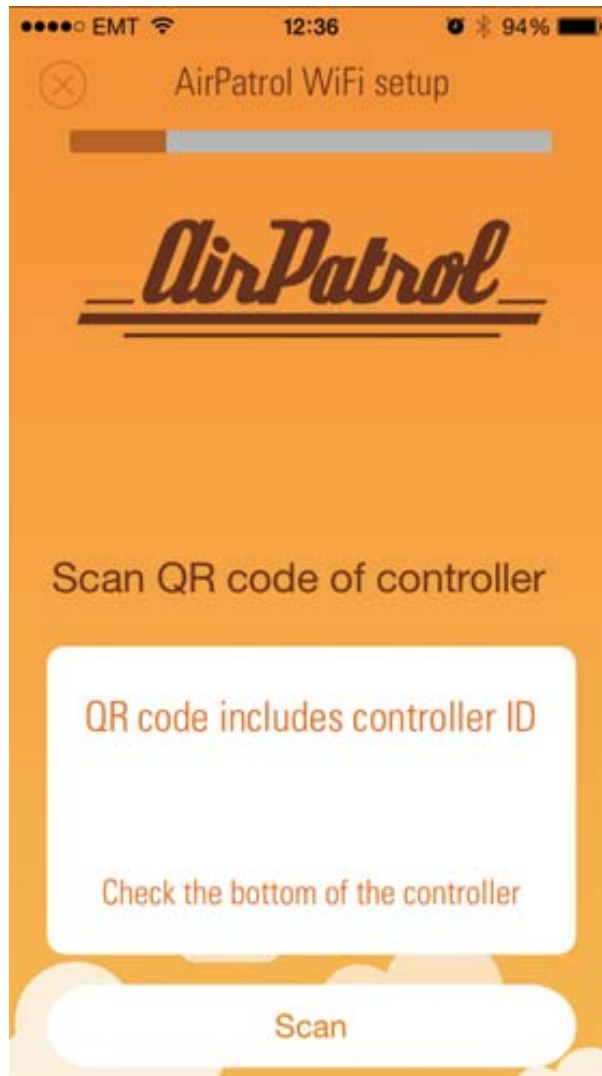
AirPatrol WiFi Setup

1.1
Controller ID

App will notify you if QR code scanning was successful and you can proceed to the next step.
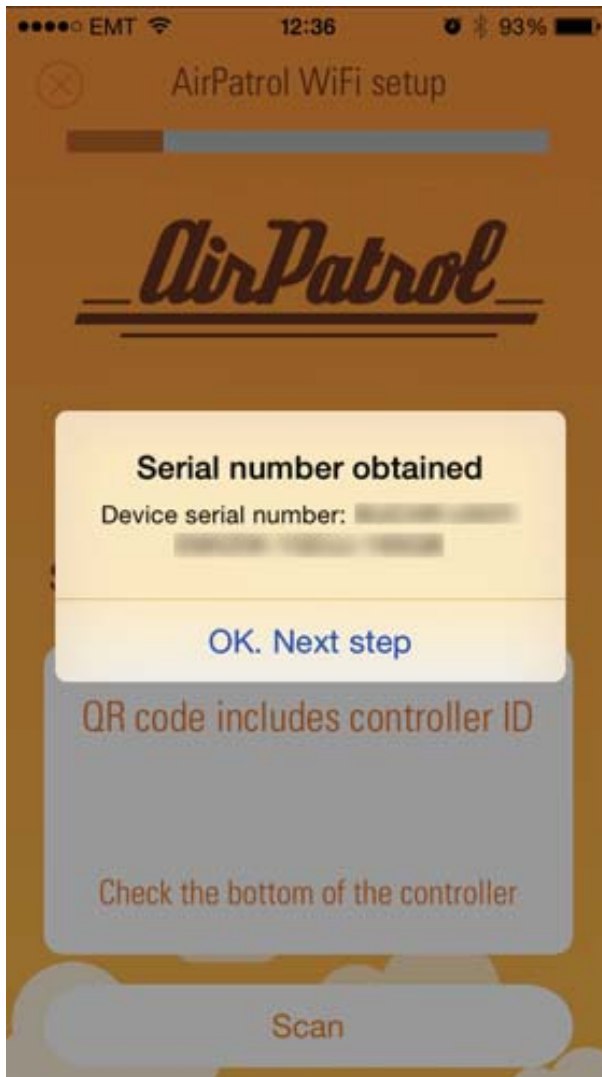
In case QR code scanning was unsuccessful:

AirPatrol WiFi Setup

1.1.1
Controller ID

In case something went wrong or you are unable to scan QR code you can either choose scan again or enter ID manually.

1.1.2
Controller ID

Entering ID manually - please type the ID code and choose firmware version of your controller. They are located under the controller just below the QR code.
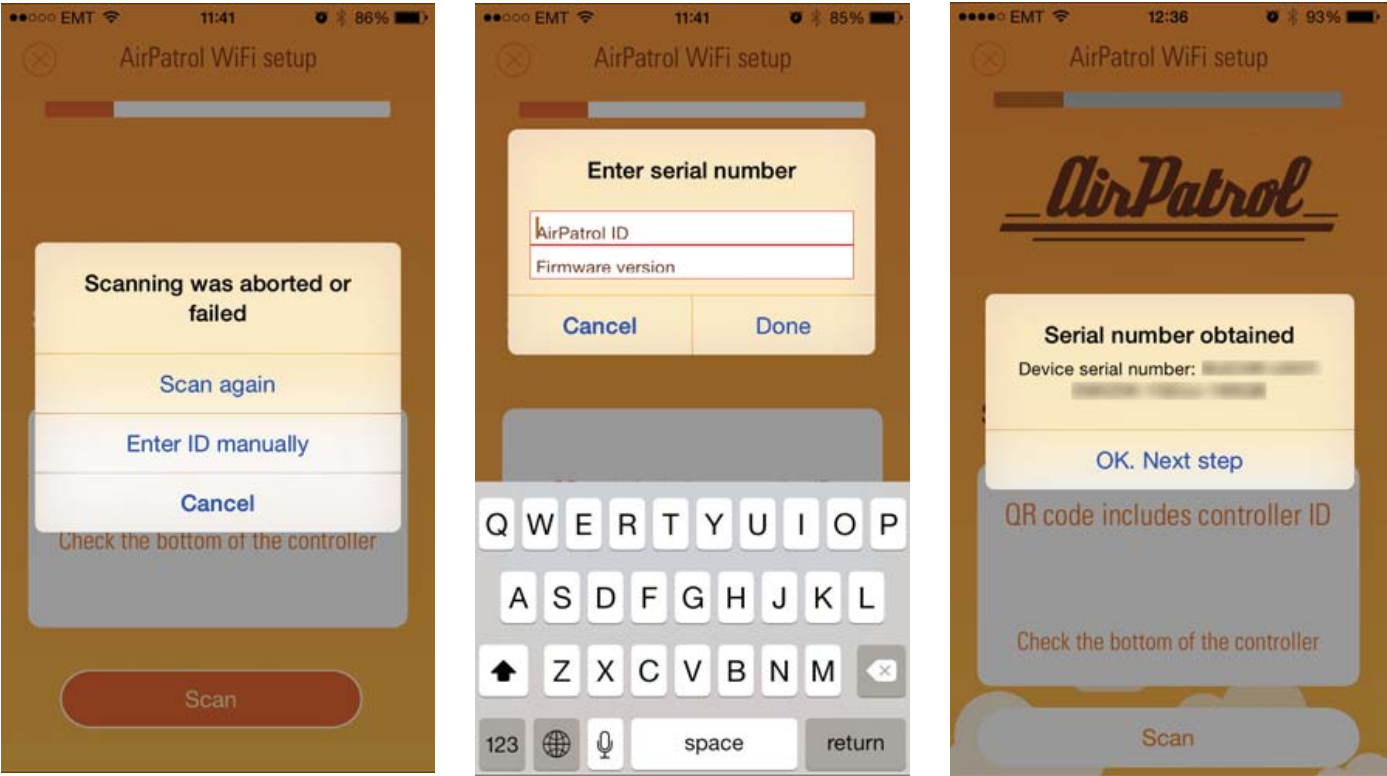
AirPatrol WiFi Setup

2
Connecting to WiFi & pairing

Select WiFi for your AirPatrol controller.

This is the WiFi network your AirPatrol controller will use for communication (for example your home WiFi)

The app will check if you are already connected to WiFi network and suggests to connect to this Current network.

AirPatrol WiFi Setup

2.1
Connecting to WiFi & pairing

You will be then asked to enter your WiFi network password.
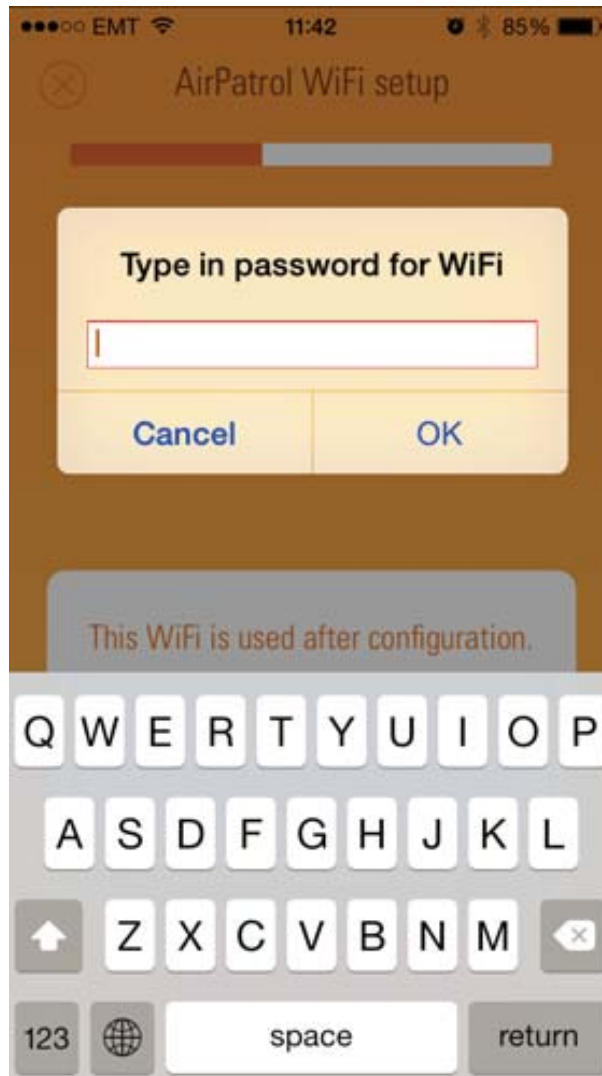
AirPatrol WiFi Setup

2.3 Connecting to WiFi & pairing

Next you will be asked to pair AirPatrol App with AirPatrol WiFi controller.

Pairing LED will light up
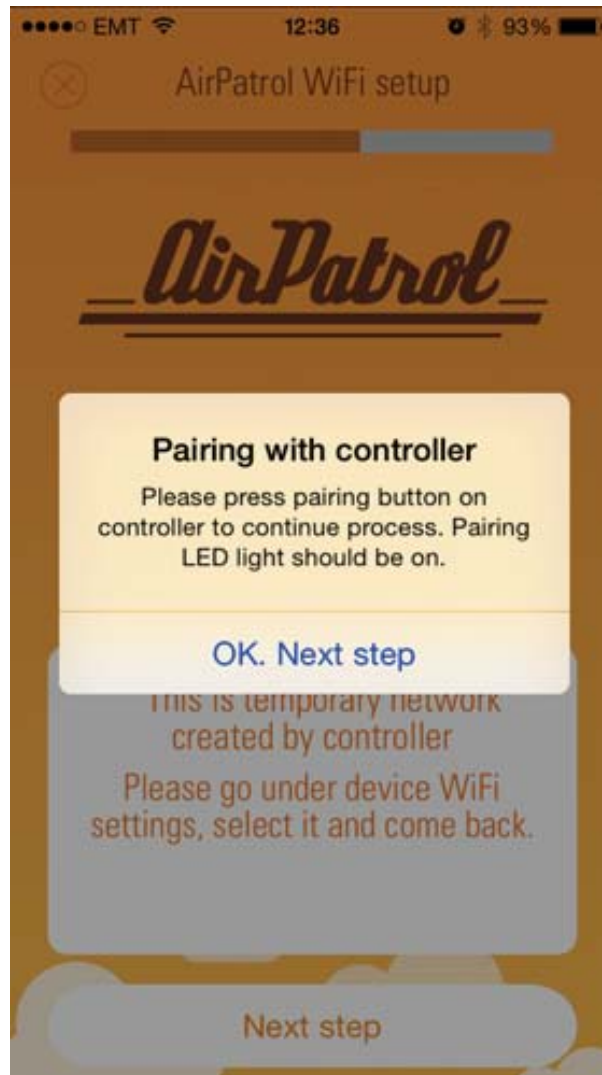
Pairing

AirPatrol WiFi Setup

2.4
Connecting to WiFi & pairing

Next you will be asked to select temporary network for the pairing process. Please go under device WiFi settings, select AirPatrol WiFi and return to AirPatrol app.

AirPatrol controller creates temporary WiFi to receive network information from your smartphone.
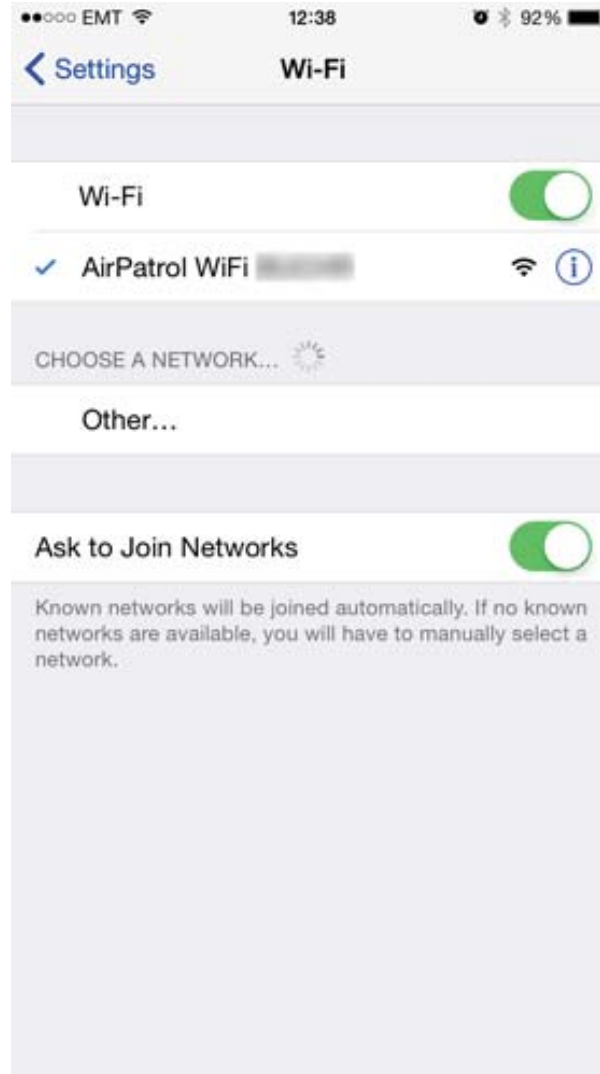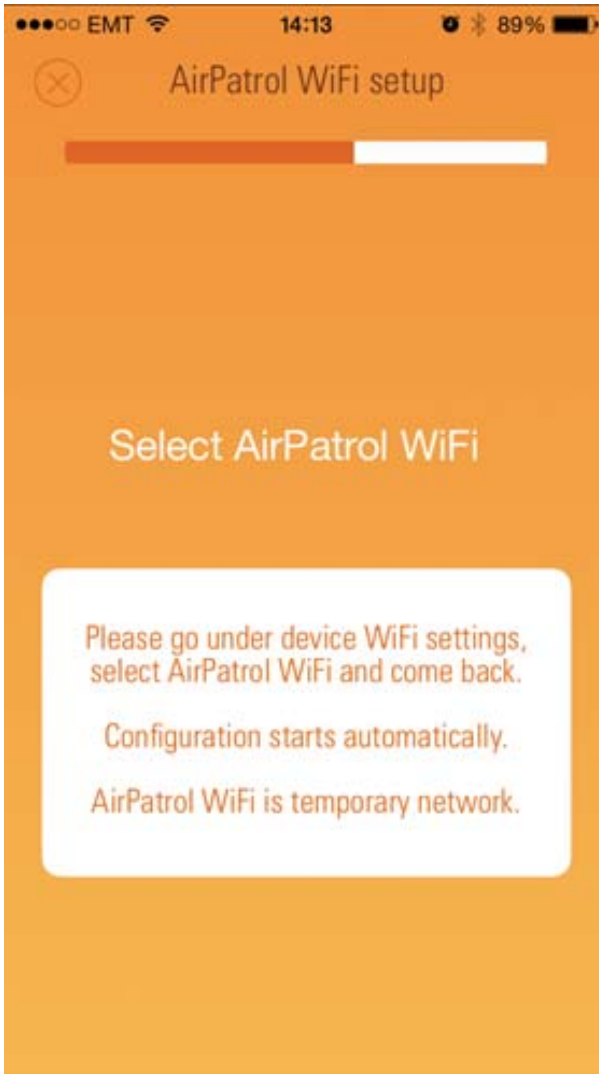
AirPatrol WiFi Setup

2.6
Connecting to WiFi & pairing

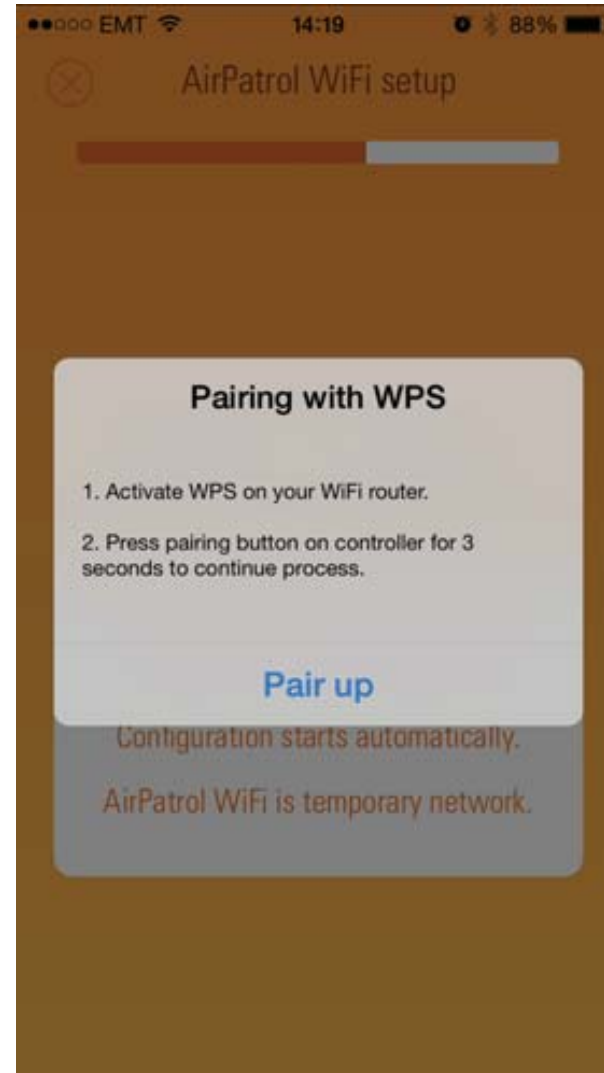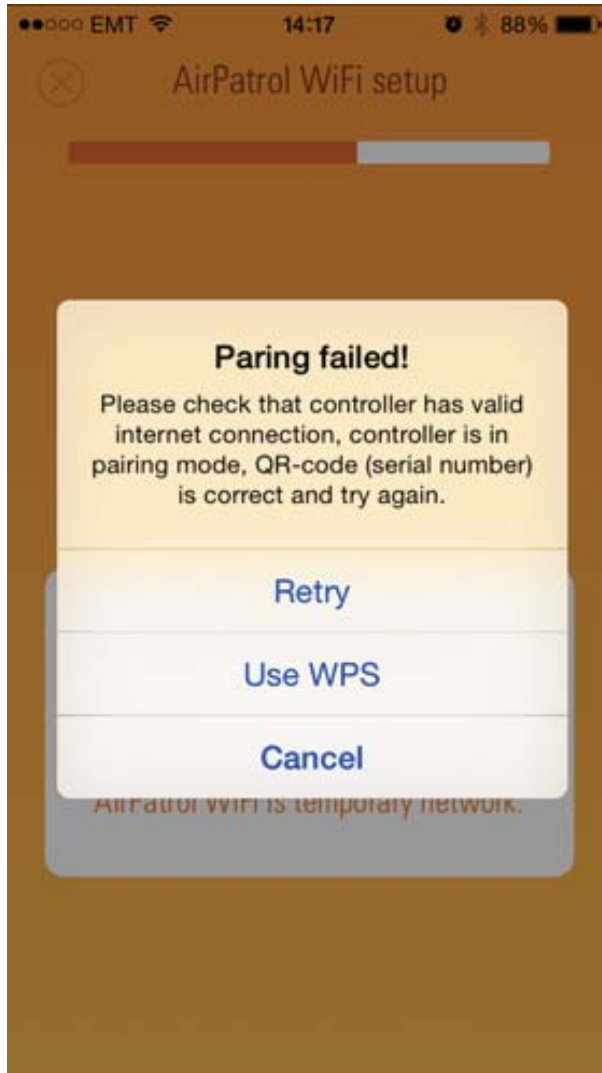AirPatrol controller is now connecting to WiFi network.
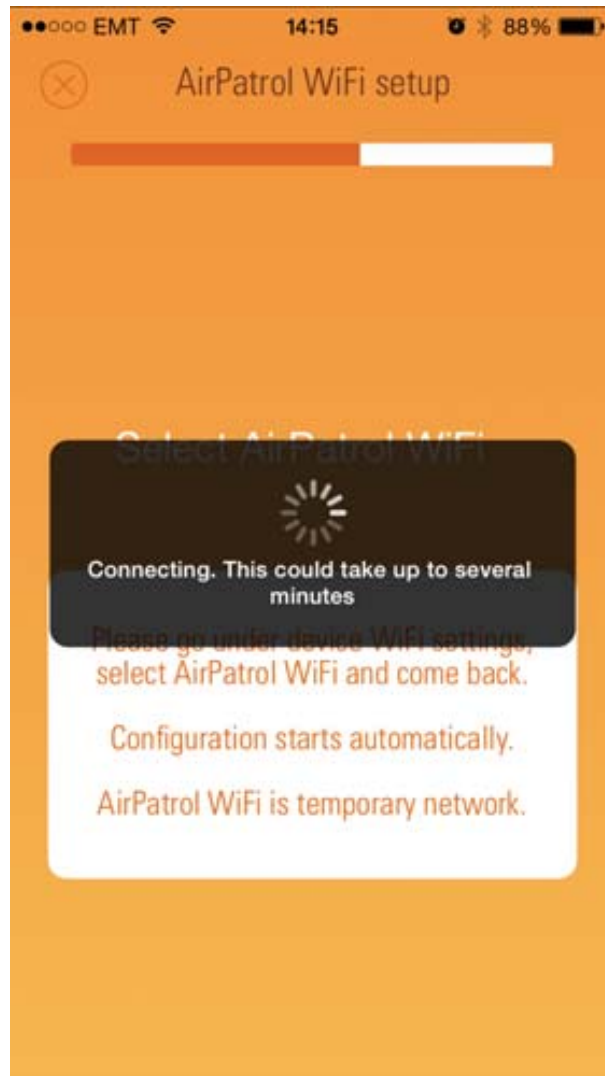
AirPatrol WiFi Setup

2.7 Connecting to WiFi & pairing

If the pairing process failed then:

A) Check that WiFi password was entered correctly.

OR

B) Activate WPS on your WiFi router and press pairing button on your AirPatrol controller.
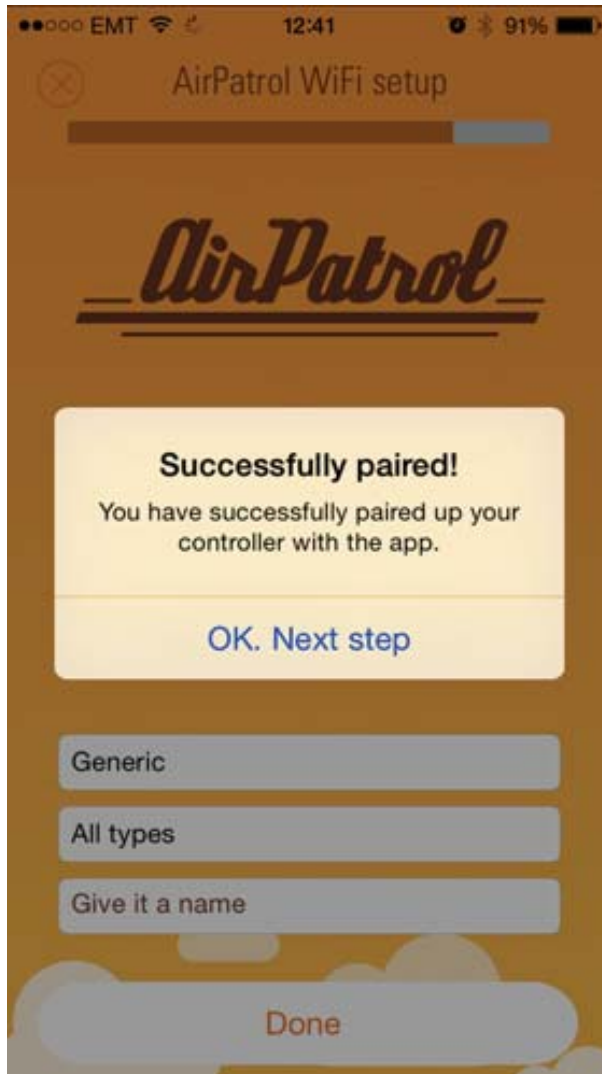
AirPatrol WiFi Setup

2.8
Connecting to WiFi & pairing

You will be notified when pairing is successful.

Pairing LED will turn off.

Only Power and WiFi LEDs are on.

AirPatrol WiFi Setup

3
Information

In the last step you are asked to select your AC brand, model and give it a name.
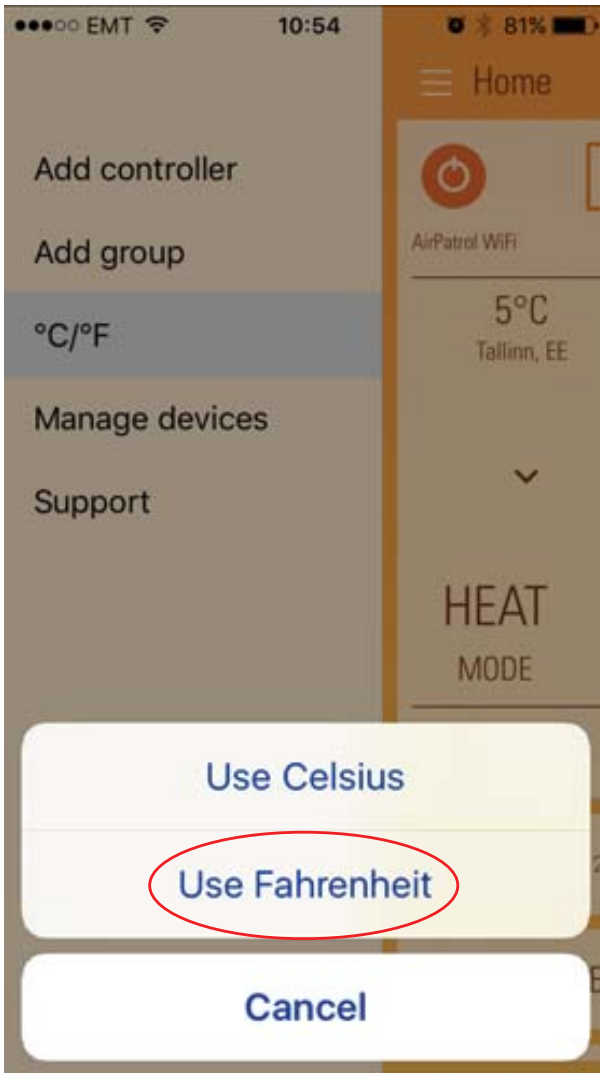
After that press DONE.

AirPatrol WiFi
Main view

This is the main view for AirPatrol App.

Press the Power button at the top left corner to turn your heat pump ON/OFF.

NB! See next slide to change temperature to Fahrenheit.

Celsius / Fahrenheit

Switching between temperature modes

You are able to change the temperature displays from Celsius to Fahrenheit and back.

To do this just press the Menu button in main view, select °C/°F and choose Use Fahrenheit.
Now all temperatures are displayed in Fahrenheit.

To switch back to Celsius just follow the same steps.

Sending commands

Sending commands is easy, just select your desired settings and push send button.
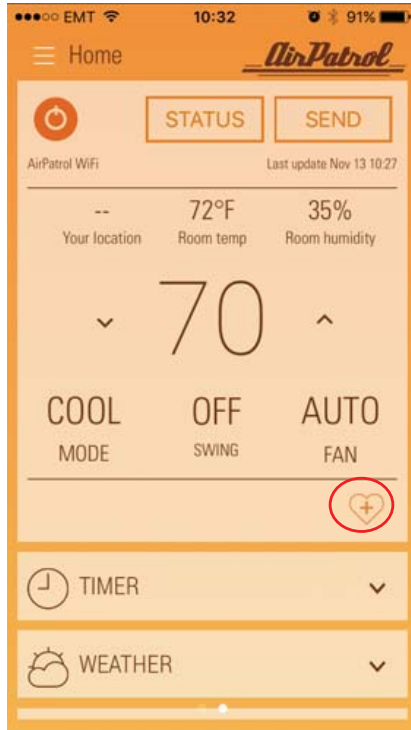For example setting COOL mode:

1. Make sure your AC is ON

2. Select MODE and COOL

3. Press SEND button

Add / delete favourites

1. Choose your favourite settings and push the add favourite button.

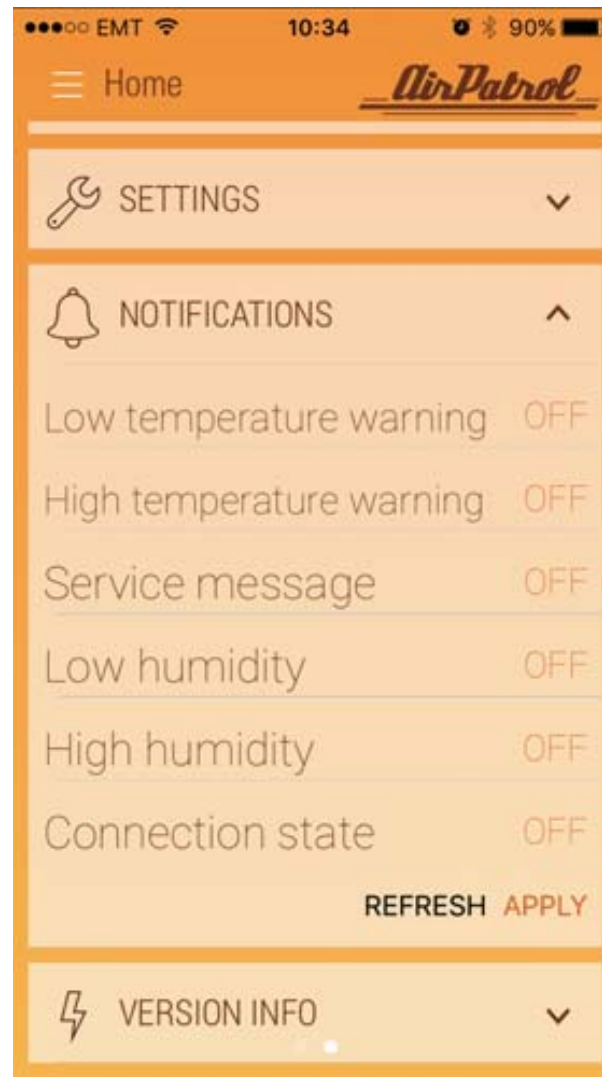2. To activate the favourite just select it from the bottom bar and press SEND button.

3. To delete favourite select it and press delete favourite button.

Alarms settings

1
Notifications menu

To manage alarms, press the Notifications menu on the main view.

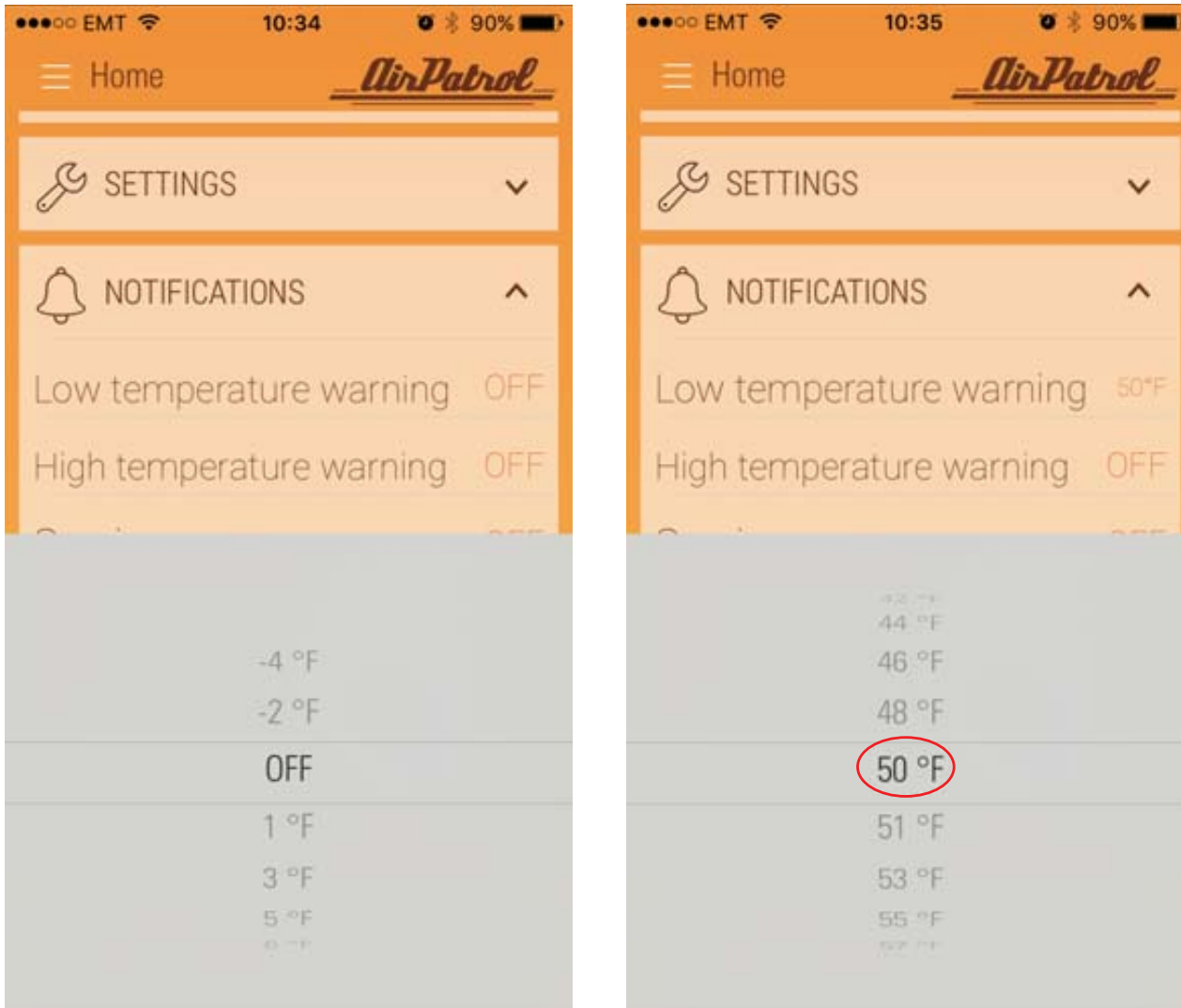List of all the alarms is displayed for you. Alarms are set OFF by default.

Alarms settings

2
Alarms setup

All alarms are set OFF by default.

In order to turn alarm ON just press on it and scroll to the temperature that you would like to for the alarm.
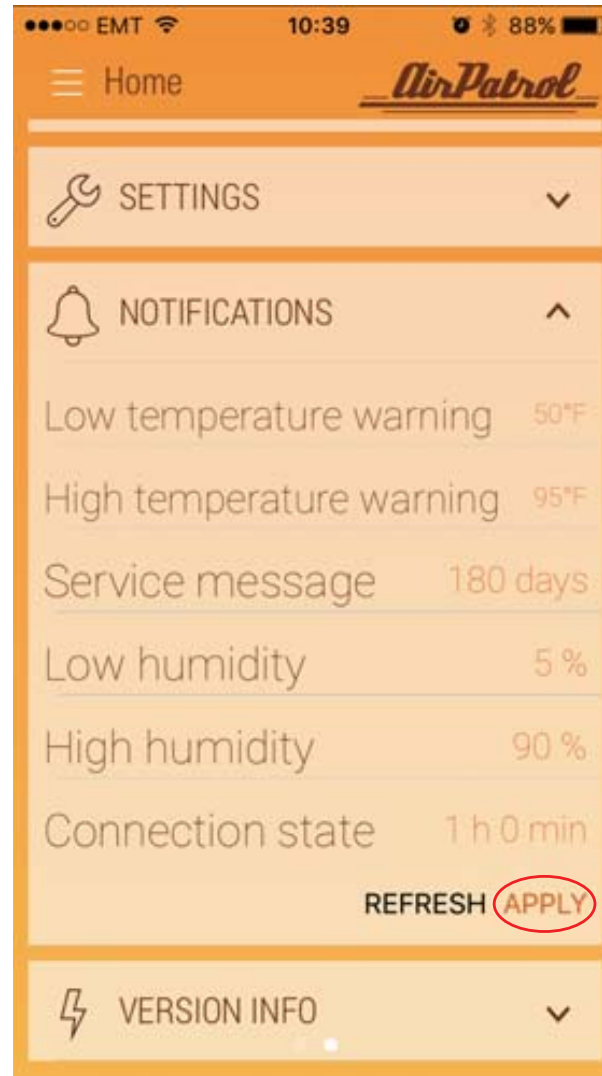
Alarms settings

3 Alarms setup

After setting an alarm it will be displayed in Notifications menu as well.

To confirm all settings press **Apply**. All values are then sent to the controller and are applied.

Local weather report

To see local weather report select Weather from the main view.

You are then able to search your local region or any other location you like.

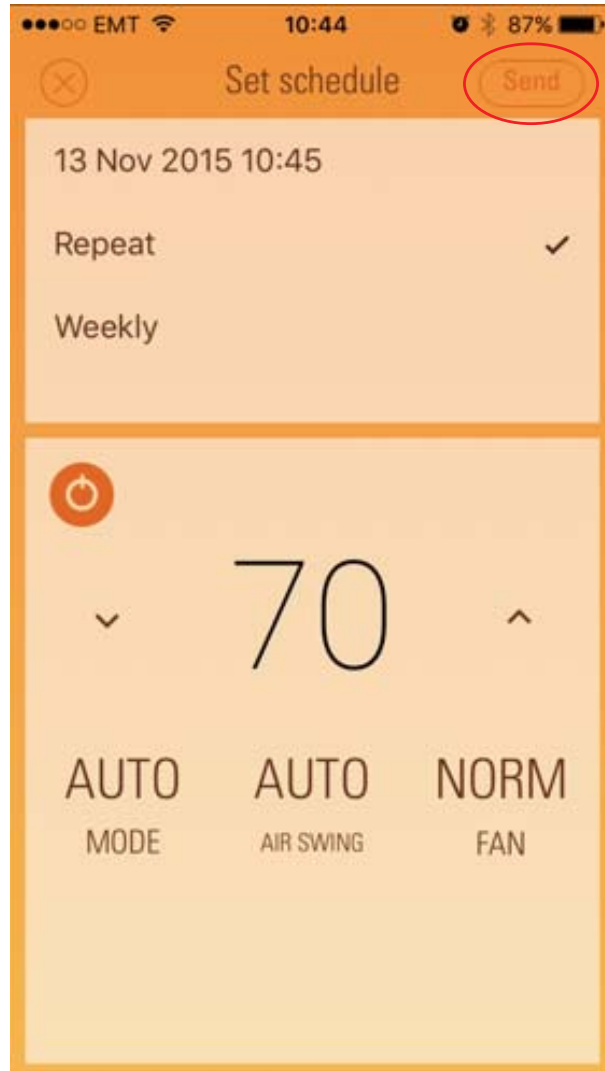The region you select will be shown in more detail and also later in the main view.
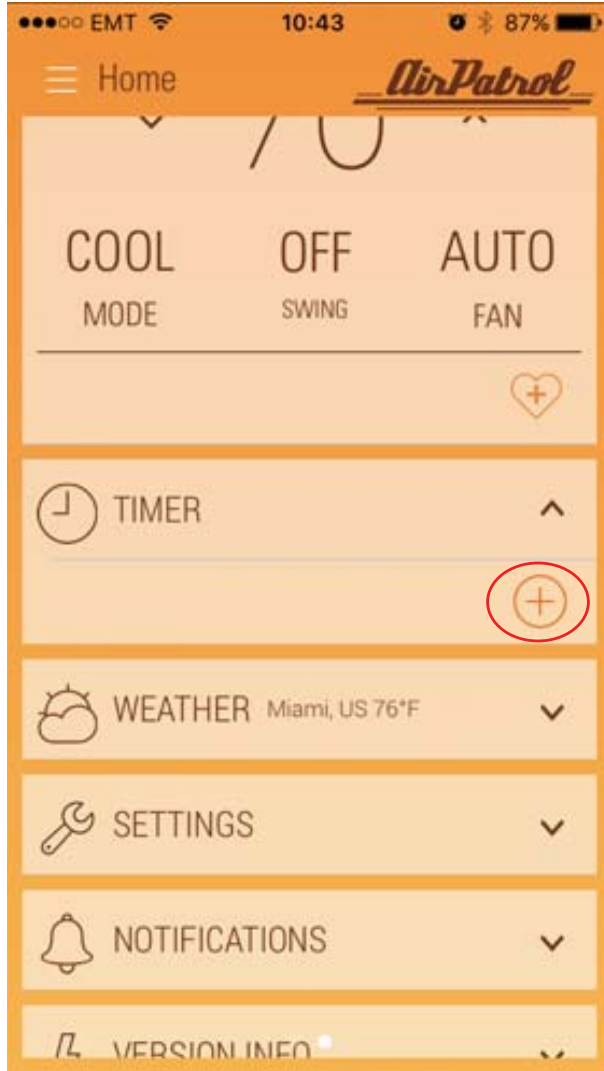
Timer function / Scheduled events

1
Adding timers

First select Timer menu and from there press Set scheduled event button.

You will now see a menu for setting a timer. Follow the steps as you like and click SEND.

Timer function / Scheduled events

2
Adding timers

Now you will see your timer in the Timer menu.

You may add unlimited timers by selecting Set Scheduled event from main view again and following the same steps with each timer.

For example use another timer to turn off your AC.
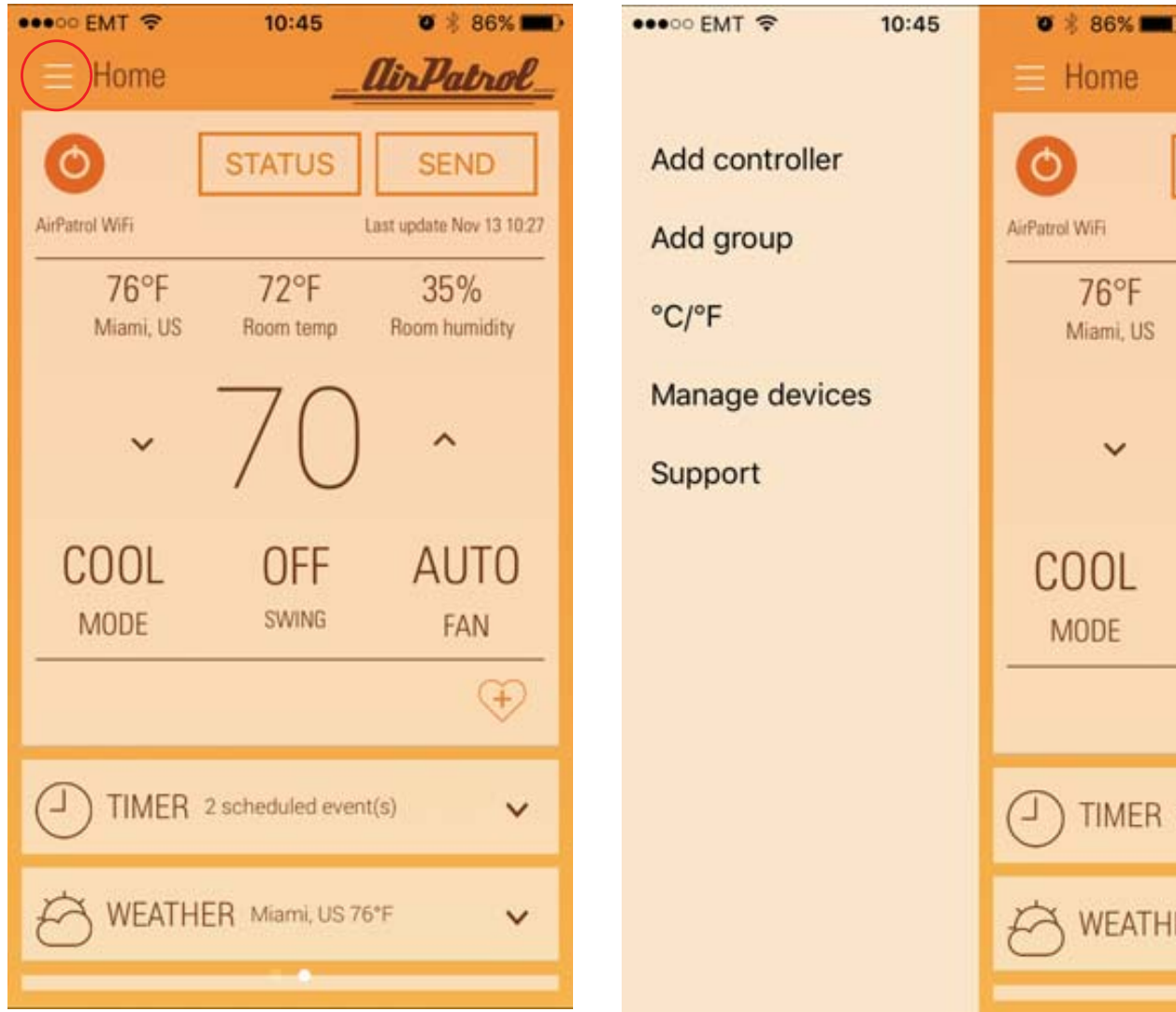
Timer function / Scheduled events

2
Adding timers

Scheduled events can be adjusted any time by clicking on them in the Timer menu.

Your scheduled events are also displayed next to the Timer menu to remind you about upcoming and reoccurring timers.
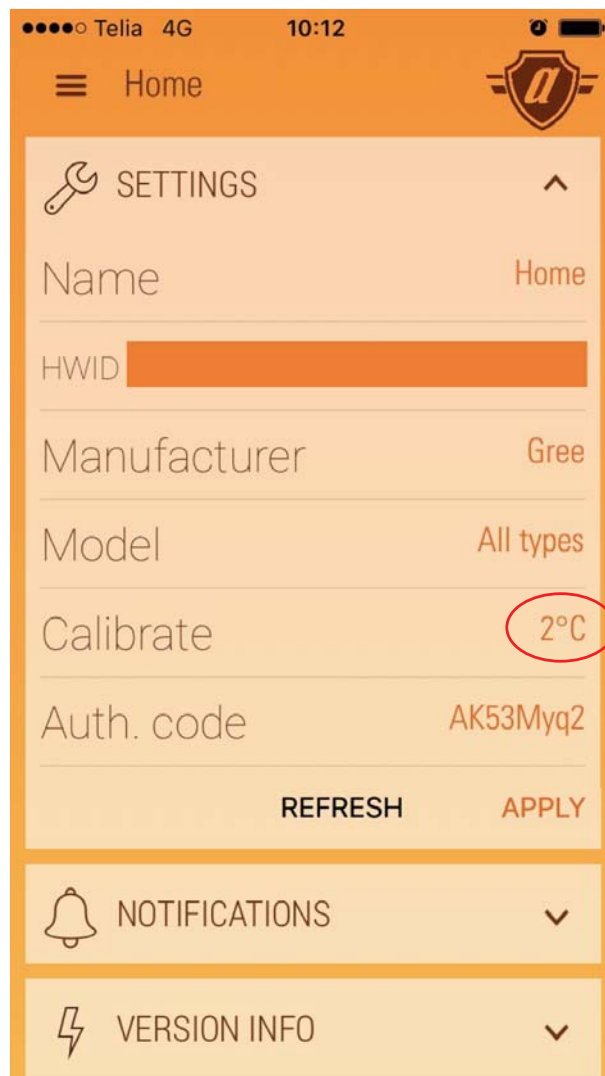
Menu button

There is also a menu button to:

- add controller

- create groups

- change temperature between °C/°F

- manage devices and contact support

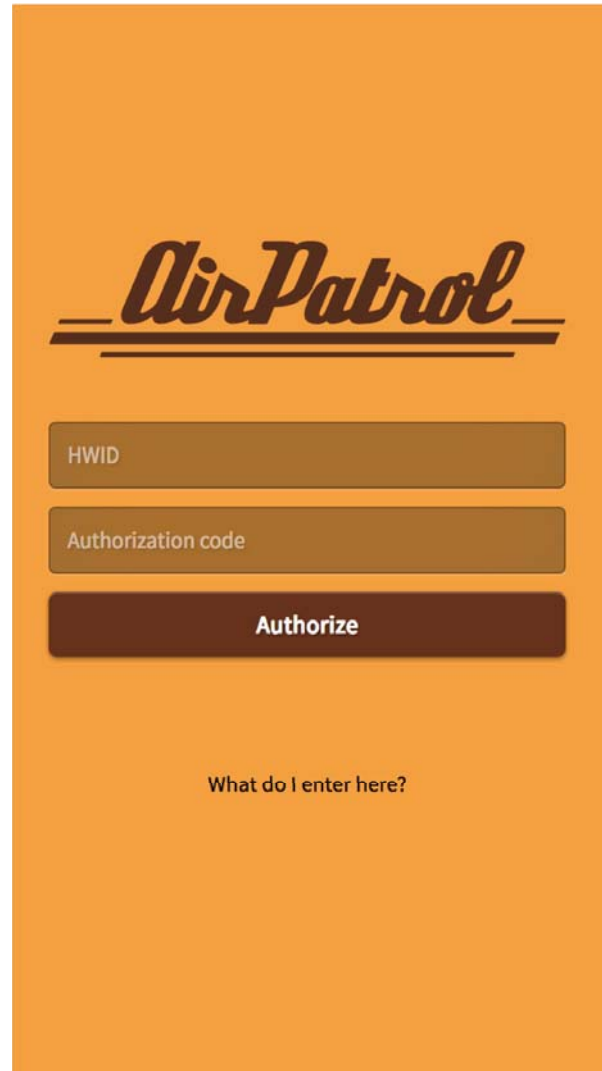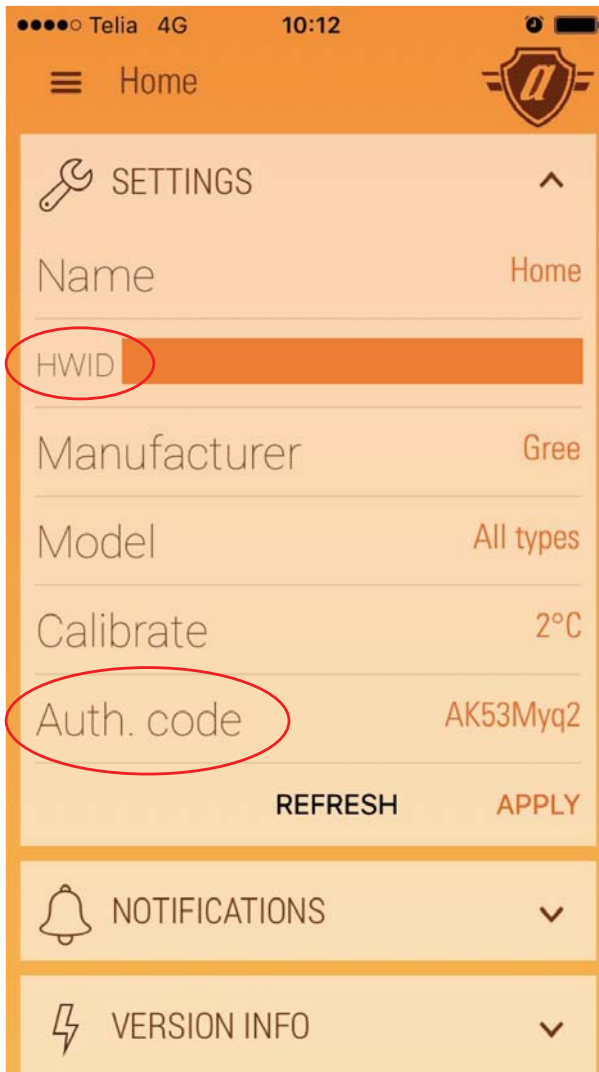Find the Menu button at the top left corner on the main view.

Calibrate

Calibrating room temperature

You are able to calibrate the room temperature measured by your AirPatrol.

To do this, go to Settings and press on Calibrate. From there you can select a value between +/- 10°C. Room temperature reading will then be adjusted according to your chosen value.

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IFTTT

AirPatrol WiFi can be integrated with IFTTT (If This Then That).

To do this, go to ifttt.com or open IFTTT app and search for "AirPatrol". To connect, enter the HWID and Authorization code which can be found under Settings in AirPatrol app.

AirPatrol WiFi can also be integrated with Amazon Alexa voice control via IFTTT.

Thank you!

SAVE MONEY, GAIN COMFORT

For more materials and support visit:

www.airpatrol.eu/support