

Airwallet R210

INSTALLATION GUIDE



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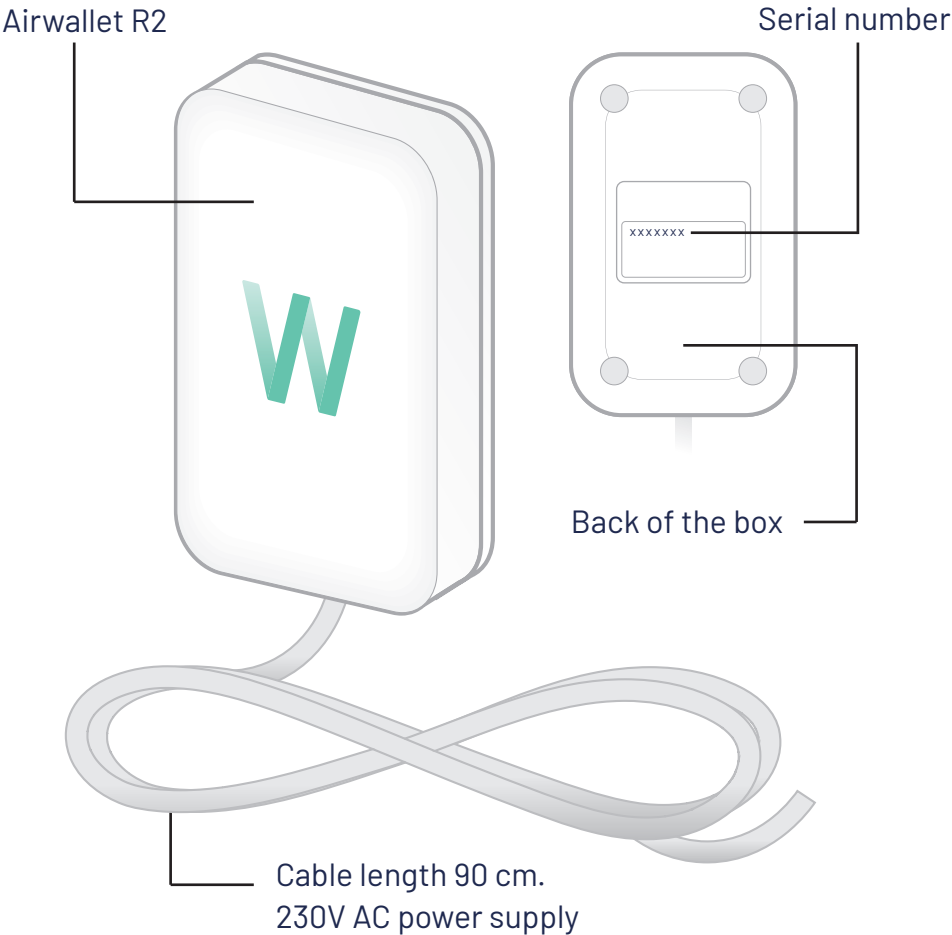
I. Getting Started

Airwallet R2 is the easiest product to upgrade your shared laundry or unmanned service to mobile payment. With Bluetooth 4.2 the Airwallet R2 is compatible with both iOS and Android smartphones and tablets. When you install your Airwallet R2 ensure that it has been set up on the Airwallet Dashboard.

If you have not set up the device beforehand you will not be able to test the installation when you are done. To set up your Airwallet R2 locate the serial number on the back of the product. The serial number can be entered under 'My locations' in the Airwallet Dashboard.

The Airwallet R2 relies on the user's smartphone connection to either Wi-Fi or the mobile network, to receive the settings from the Airwallet Dashboard. Make sure your users have a stable connection at the location you want to install your Airwallet R2.

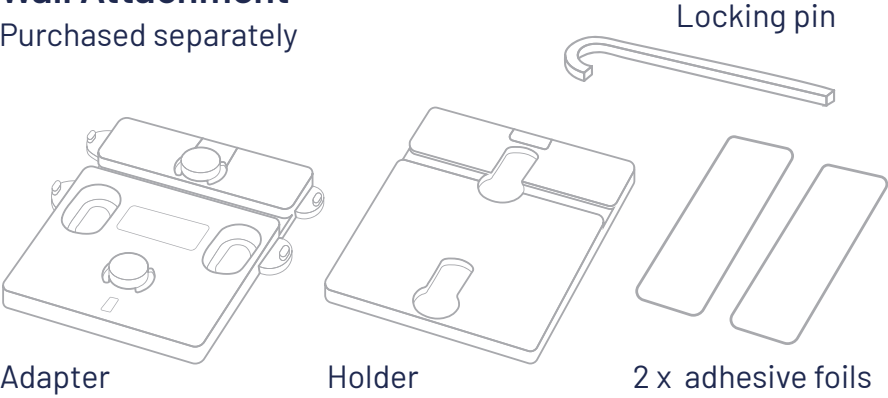
Parts in the Package



Additional Parts

Wall Attachment

Purchased separately



Can be mounted with screws or adhesive foil (screws not included)

Get Started Package

Only included when bought directly from Airwallet



Ports on Your Airwallet R2

The Airwallet R2 has two potential free relays for controlling two machines. The ports are wired out in the installation cable:

Wire Number	Name
No. 1 Black	Neutral - Power supply
No. 2 Black	Line 1 - Power supply
No. 3 Black	Line 1 - Start signal
No. 4 Black	Line 2 - Input
No. 5 Black	Line 2 - Start signal

Detailed installation steps can be found on page 8.

- The Airwallet R2 has two relays for controlling two machines.
- To reset the Airwallet R2, disconnect the power source for 15 seconds. If you want to change or delete information about the device, such as name, price, start signal, or feedback type go to the Airwallet Dashboard and find the product under “Your Locations”.

Airwallet R2 Status Lights

The following table describes the Airwallet R2 status light sequences and what they indicate. The status lights are located inside the Airwallet R2, and should only be used when troubleshooting the installation. The status lights are mounted on the printed circuit board at the opposite end of the Airwallet logo.

Light	Status/Description
Off	Airwallet PRO is unplugged
One solid green, one off	Airwallet PRO is on and working properly
Two solid green	Airwallet PRO is starting up. This process will take 15 seconds.
One solid green, one shortly flashing (<1 sec.)	Airwallet PRO is receiving data from the Airwallet App

The Airwallet R2 Network

The following illustration shows an Airwallet R2 connected to a domestic laundry machine. The Airwallet R2 supplies the machine with power when the user has paid.

The Airwallet R2 is connected to the Airwallet Dashboard that stores information about all devices in the Airwallet network. The Airwallet R2 receives information from the Airwallet Dashboard through the user's Internet connection via Wi-Fi or mobile communication. The Airwallet R2 connects to the user's phone with Bluetooth 4.2. All phones with iOS or Android compatible with the Bluetooth 4.2 technology can be used on the Airwallet network.



See the next chapter, "Installing the Airwallet R2" to find out how to set up the Airwallet R2 on your machine.

II. Installing the Airwallet R2

System Requirements

The Airwallet R2 can be installed on domestic laundry machines or other products controlled by switching the power for the service on and off. If you have a special machine type and are in doubt whether the Airwallet R2 will fit your needs do not hesitate to contact us at kontakt@airwallet.dk.

- To install the Airwallet R2 you need tools to mount Airwallet R2 on the current electrical installation.

Step One

- Disconnect the power to the installation and locate the power supply for the machines you are installing Airwallet on.

Step Two

Installing the Airwallet R2

See the table below for wire specifications.

Wire Number	Name	Description
No. 1 Black	Neutral - Power supply	Input 100-240VAC max. 10A
No. 2 Black	Line 1 - Power supply	Input 100-240VAC max. 10A
No. 3 Black	Line 1 - Start signal	Line 1 relay output - Start signal
No. 4 Black	Line 2 - Input	Potential free relay input max. VAC 240VAC, 10A
No. 5 Black	Line 2 - Start signal	Potential free relay output

1. Use an assembly box for connecting Airwallet to the machines.
 - a. Connect wire no. 1 to the neutral of the installation.
 - b. Depending on the power consumption of the machines you want to install Airwallet onto, decide if you want to use one or two lines.
 - » If your machines have a low power consumption connect wire no. 2 and wire no. 4 to the same line of the installation.
 - » If you have machines with a high power consumption connect wire no. 2 to line 1 of the installation and wire no. 4 to line 2 of the installation.
 - c. If you are in doubt about the power consumption of your machines, it is always recommended to use two different lines.
 - d. Now the machines can be connected to the Airwallet R2. Connect the first machine to the neutral, PE, and wire no. 3 start signal (line). If you want to install Airwallet on a second machine connect the machine to common neutral, PE and wire no. 5.
2. When you have connected the Airwallet R2 to the appropriate wires you can power up the installation. If the device does not appear in the Airwallet App check if the device has been created on the Airwallet Dashboard.

3. 'Get Started' Package setup:




News poster and 5 step guide poster

Double-sided adhesive tape is attached to the back of both posters. The tape is intended for smooth surfaces.

For rough surfaces, it is recommended to use screws or nails.

Mobile payment sticker

The “MOBILE PAYMENT” sticker is intended to be pasted on the machine on which the Airwallet R2 is installed.

In the white “name” field, handwrite the name you have called the machine on the dashboard





'No theft' sticker

The 'No theft' sticker should be mounted on a door or window into your shared laundry, to alert thieves that there are no coins in the machines.

Therefore no reason for burglary and vandalism.

Step Three

Testing the Airwallet R2

- Open the Airwallet App and login. If you do not have an account yet, you can create a new user by pressing 'Create new user'.
- When you have filled out your personal information and payment card details you can go to the front page of the Airwallet App. Choose the device you want to test and swipe to make a transaction. The transaction can be refunded on the Airwallet Dashboard.
- If you are a registered Airwallet test user you can test without transactions being processed on your card. To register as a test user, contact the owner of the installation or Airwallet. All transactions will still be logged but will not get processed at the payment provider.
- When the transaction is completed the Airwallet App will generate a receipt for the user. This receipt can later be found under activities.
- When the receipt is shown, the phone will send an encrypted signal to the Airwallet R2 that will process and forward the start signal to the machine. You will be able to hear a small click from the relay sending the start signal to the machine.
- When the receipt is closed, the front page is shown again and the device is now occupied until the purchased time is up.

III. Tips and Troubleshooting

The best location for the Airwallet R2

The following recommendations can help your Airwallet R2 achieve the best wireless range and network coverage.

- Place your Airwallet R2 in an open area where there are few obstructions, such as walls.
- Avoid placing your Airwallet R2 inside the machine cabinet or close to any metallic surfaces.
- Do not place the Airwallet R2 horizontally or on its side. The Airwallet R2 should be mounted vertically with the cable downwards.
- Place your Airwallet R2 at least 8 meters (25 feet) from any microwave oven, 2.4 GHz cordless phone, or other sources of interference.

Problems and Solutions

Make sure you have the right manual for the correct product.
This is the manual for the Airwallet R210.

A. The device is not appearing in the Airwallet App:

1. Is the device created on the Airwallet Dashboard?:
<https://admin.airwallet.dk>
2. Is the power turned on, on the installation?
3. Has someone connected via Bluetooth to the device outside the Airwallet App?
4. Does the phone have a weak internet connection?
 - a. The faster the internet connection, the faster the device load time is.
5. Are the devices within a 5-10 meters range?
6. Is the location services allowed? (Android only)
7. Is Bluetooth allowed? (iOS only)

B. The available/occupied feedback is not working properly:

1. The machine is still purchased from the previous user. This can be seen on the Airwallet dashboard under transactions at <https://admin.airwallet.dk>

C. The machine does not start when I have paid:

1. Has the line been supplied on wire no. 3 and wire no. 5?
2. On some machines, the door has to be closed before the machine can be started
3. Did the transaction go through? Check the activity menu page

D. The App will not process my transaction

1. Check if your payment card is valid, if not, attach another card.
2. Check if your user information is valid by pressing the profile icon in the menu.
3. Delete your user and create a new one. Press the profile icon in the menu and delete your user.

E. Nothing of the above have worked yet:

1. Guarantee you have the latest version of the Airwallet App.
2. Reset the Airwallet R2 by disconnecting it from the power source in 15 seconds, and the product will restart.

IV. Learning More, Service and Support

You can find more information about using your Airwallet R2 online.

Online Resources

- For the latest information about Airwallet R2 and version of this manual go to <https://airwallet.net/support>

Obtaining Warranty Service

- If your Airwallet R2 appears to be damaged or does not function properly, check the sections “Tips and Troubleshooting” for help and the online resources at <https://airwallet.net>. If your Airwallet R2 still does not function properly, contact support at <https://airwallet.net/support>.

Locating the Serial Number of Your Airwallet R2

- The serial number is printed on the bottom of your Airwallet R2.

V. Specifications and Safety

Airwallet R2 Specifications

- Standards: Bluetooth Low Energy BLE 4.2
- Power Supply: 100-240VAC; 0.04A; 50-60Hz
- Start Signal: Max. 240 VAC

Environmental Specifications

- Operation Temperature: 0° C to 35° C (32° F to 95° F)
- Storage Temperature: -25° C to 60° C (-13° F to 140° F)
- Relative Humidity (Operational): 20% to 80% relative humidity
- Relative Humidity (Storage): 10% to 90% relative humidity, non-condensing
- Operating Altitude: 0 to 2000 m (0 to 6.562 feet)
- Protections classification: IP40

Size

- Length: 150 mm (5,9 inches)
- Width: 93 mm (3,7 inches)
- Height: 35 mm (1,4 inch)

Airwallet R2 Safety Tips

- The only way to completely shut off power to your Airwallet R2 is to disconnect it from the power source.
- Your Airwallet R2 is a high-voltage product. Do not open it for any reason, while it is connected to the power source. If your Airwallet R2 needs service, see “Learning More, Service, and Support” on page 16.
- Avoid Wet Locations
 - » **WARNING:** To reduce the chance of shock or injury, do not use your Airwallet R2 in or near water or wet locations.
 - » Protect Airwallet R2 from rain, water, or other moisture. If you do disconnect it from the power source, before cleaning and drying the product. In this case, you may need to send your product to Airwallet for service. See “Learning More, Service, and Support” on page 16.

Do Not Make Repair Yourself

- **WARNING:** Do not attempt to repair the Airwallet R2. You will run the risk of electric shock.

Installation Safety

- A readily accessible disconnected device shall be incorporated external to the product because the Airwallet R2 cannot be disconnect from the power supply network without it.
- The Airwallet R2 is only protected against overload, but it does not provide short-circuit backup protection. External protection on building installation should be used.

VI. Regulatory Compliance Information

Declaration of Conformity

Manufacturer: Airwallet ApS

Address: Vindegade 62, 1.4, Odense 5000, Denmark

Product description: RF operated controller

Product name: Airwallet R2

Declaration:

We declare under our sole responsibility that the products, to which this declaration relates, conform with the Council Directives on the approximation of the laws of the EU Member States relating to the following:

Directives:

Radio Equipment Directive 2014/53/EU

RoHS Directive 2011/65/EU

Safety 2001/95/EU

Standards:

RED-Directive 2014/53/EU

ETSI EN 301 489-1 V2.1.1(2017-02)

ETSI EN 301 489-17 V3.1.1(2017-02)

ETSI EN 300 328 V2.2.2 (2019-07)

RoHS Directive 2011/65/EU

EN 50581:2012: Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances.

Safety 2001/95/EU:

EN 60950-1:2006 + EN 60950-1:2006 / A12:2011 Information technology equipment - Safety - Part 1: General requirements

Place of issue: Airwallet, Sivlandsvænget 3, Odense 5260, Denmark

Date of issue: 03.06.2020

Name of Authorized Person:

Christian Bonde Mortensen
Co-Founder

Signature of Authorized Person:

Christian B. Mortensen

Disposal and Recycling Information

This symbol indicates that your product must be disposed of properly according to local laws and regulations. When your product reaches its end of life, contact Airwallet or your local authorities to learn about recycling options.

European Union—Disposal Information

The symbol above means that according to local laws and regulations your product and/or its battery shall be disposed of separately from household waste. When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product and/or its battery at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.



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