

AIRWITS USER MANUAL

CAUTION! Airwits R2 is an electrostatic sensitive device. Observe necessary precautions when you open the enclosure of the device.

TRANSPORTATION

Observe necessary precautions when transporting devices. The device includes a lithium metal battery pack which contains 2.1 grams of lithium. Do not remove packing material or repack devices unless necessary.

INSTALLATION OF THE DEVICE

To complete the installation of the device, you need a small slotted screwdriver.

1. Read and mark down the Sigfox identifier and the PAC key of the device. The information is on the label on the back cover of the device. The information is also in the QR code of the label.
2. Open the enclosure of the device using the screwdriver. Place the screwdriver gently between the device and the lid and rotate the screwdriver carefully until the lid comes off.
3. Connect the battery pack of the device.
4. Close the enclosure of the device. Do not touch the wire antenna of the device.
5. Install the device on the wall using the double sided adhesive tape or screw.

The device will send the temperature and the humidity once every 30 minutes.

CAUTION! Do not install or use the device if the battery pack is broken. Disconnect the battery pack immediately and contact the vendor of the device.

CONNECTION TO FOXERIOT CLOUD SERVICE

If the device is connected to FoverIoT, provided by Connected Finland, you do not need to do anything else. You can immediately login to FoverIoT and observe the measurements.

CONNECTION TO SIGFOX BACKEND

Register the device to the Sigfox network using the Sigfox backend at backend.sigfox.com. You need the Sigfox identifier and the PAC key to register the device. For further details, please see the documentation of the Sigfox backend.

DISPOSAL

Check the regulations regarding the disposal of electronic devices and lithium metal batteries before you dispose the devices.

PAYLOAD

The device sends the temperature and the humidity.

BYTES	DESCRIPTION	UNIT	BYTE ORDER	TYPE
1 – 2	Temperature	C	Big endian	Positive integer
3	Humidity	%	Big endian	Positive integer

The temperature is calculated as follows:

Temperature = < value > / 10 – 40

For example, message 02 71 2C can be interpreted as follows:

Temperature = 0x271 / 10 – 40 = 625 / 10 – 40 = 22.5 C

Humidity = 0x2C = 44 %

SUPPORT

Please contact the vendor of the device for support. If the vendor is not available, you can also contact the manufacturer of the device at support@connectedfinland.fi or +358 10 311 5800.