

☁ : External weather
19° : external Temperature
🌐 : No internet
📶 : No Wifi Network

Request: See page 3

↑ : Heating
↓ : Cooling

Operation mode:

OFF: System off

🔥 : heating only

🚿 : DHW only

🔥🚿 : heating +DHW

❄️🚿 : Cooling + DHW

❄️ : Cooling

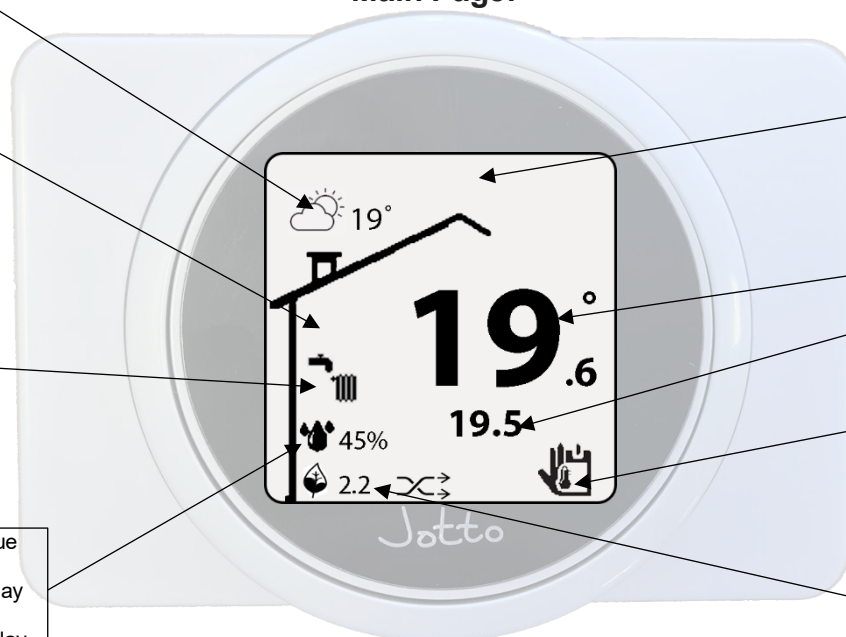
See p. 3

Humidity: reads the humidity value present in the room.

💧 : Indicates the status of the Relay at Off.

💧🔥 : Indicates the status of the relay to On.

Main Page:



Error messages:

- "Chrono Error", in case of error in the reading of The Clock chip.
- "OT error" in case of lack of connection with boiler bus
- "Alarm XX", in case of boiler alarm, consult boiler manual

Ambient temperature detected. See p. 2

desired ambient temperature. See p. 2



Active chrono



Semi-active chrono -Party



chrono off / Manual



It is colored black depending on the value of the air quality detected: from 1 empty = excellent to 5 all black = very bad.
🔌 : Indicates the status of the VMC machine relay .



GENERAL INSTALLATION WARNINGS

This manual has been prepared for the installer and also includes basic instructions for the end user.

Carefully read the warnings contained in this document that provide guidance on the technical characteristics and instructions for installation, assembly, programming, adjustment and use.

Installation of the device must be carried out in accordance with the regulations in force regarding electrical installation.

This instruction manual must be "kept for future reference".

After removing the packaging, make sure of the integrity of the Programmable Thermostat and the power supply supplied. In case of doubt, do not use them and contact your Dealer or Manufacturer.

The Chronothermostat is intended only for the use for which it was expressly designed. Any other use is to be considered improper and therefore dangerous.

Our products are manufactured in compliance with current safety regulations. During the installation and use of the same it is recommended to observe all precautions to avoid causing damage to people or things.

Do not disassemble parts of the programmable thermostat when it is in operation. Do not use the programmable thermostat exposed to heat sources or direct sunlight.

The manufacturer is relieved of any liability in the following cases:

- Incorrect installation.
- Modifications or interventions not authorized by the manufacturer.
- Exceptional events, etc.

- Malfunctions of the boiler to which the Programmable Thermostat is connected
- Total or partial non-compliance with the instructions.

N.B.: the programmable thermostat must be installed less than 2 meters above the floor;

N.B.: the programmable thermostat cannot be installed less than 20 cm from the human body.

N.B.: the Chronothermostat cannot be installed outside the house;

Electrical connection Chronothermostat.

N.B.: before making any electrical connection make sure that all the appliances involved are disconnected from the mains.

N.B.: Chronothermostat must be powered exclusively using the power supply supplied as standard with the product.

N.B.: For the connection of the 2-pole clamp of the relay on the Programmable Thermostat, read the instructions below.

Connect the open contact of the Chronothermostat in the boiler consent, check the boiler manual where this consensus is located, usually called an external thermostat). If the boiler has an OT bus connection, use the BUS connector on the programmable thermostat. **N.B.:** for a correct installation, prepare a dedicated power line for connecting the Programmable Thermostat according to current regulations regarding electrical systems. If this is not possible, any disturbances due to other electrical cables could cause the module to malfunction.

The power supply of the Chronothermostat must be connected to a 230Vac / 50Hz network in compliance with current regulations on electrical installation, providing in any case an omnipolar disconnection device with class III overvoltage category.

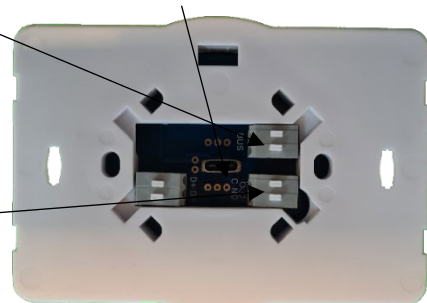
Connect the interface

Jotto GB is made up of two distinct parts, the interface which has a predisposition for a standard 503 box and the upper part which integrates all the electronic part. Once the interface has been fixed to the 503 box, insert the front part. If you have the desktop version, connect the USB type C cable to a 5Vdc 1Ampere USB power supply.

Boiler Bus Connector:

Connect any bus connection (OT) cable from the boiler if equipped with an OT bus connection. Use a cable diameter max 1mm²

Connect the supplied power supply to the 220Vac supply voltage, use terminals or lugs of the correct size.
Connect the USB-C cable to the back of the Jotto GB interface.



Wall mount version

Relay contacts:

Connection to boiler, air conditioners, zone solenoid valves.

Free contact Use a cable diameter max 1mm²

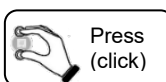


Desktop version

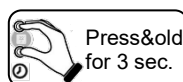
Navigation Gestures:



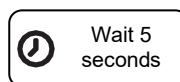
Right to increase or move clockwise, left to decrease or move counterclockwise



To confirm the set data, or to select a data.

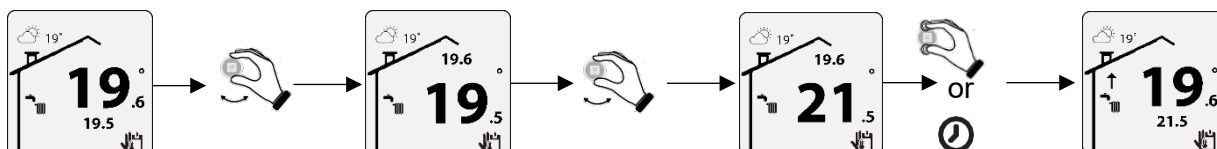


To access the setup menus, or to return to the main page



The icons when they are on a black background it means that they are being set, when they are on a transparent background , it means that the value has been set.

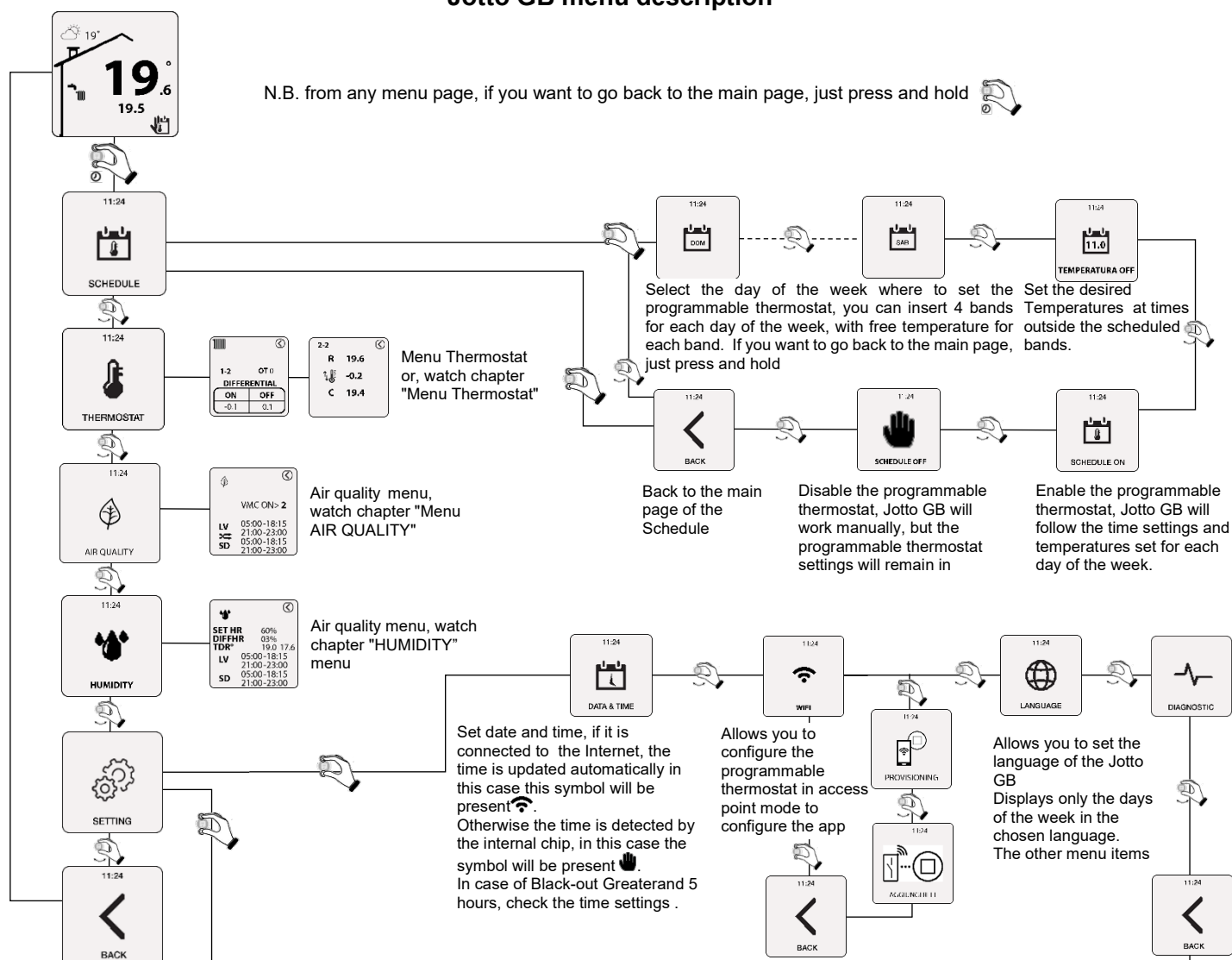
Set the temperature:



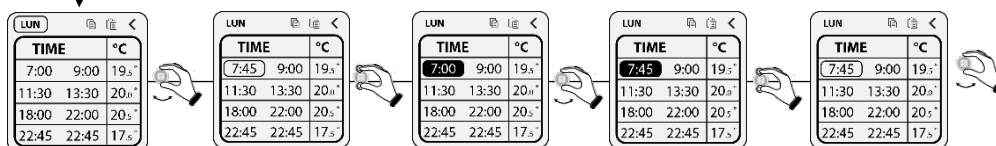
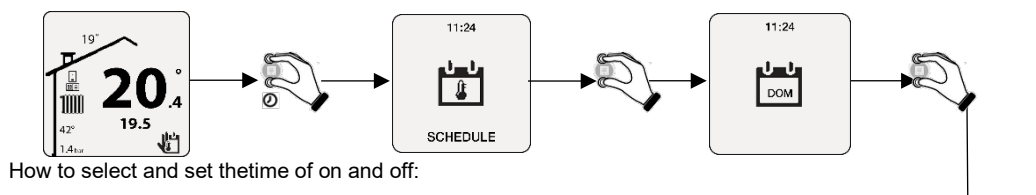
From the main menu, simply rotate to raise or lower the temperature, then click again to confirm or wait 3 seconds.

Jotto GB menu description

N.B. from any menu page, if you want to go back to the main page, just press and hold



Set the programmable thermostat function:



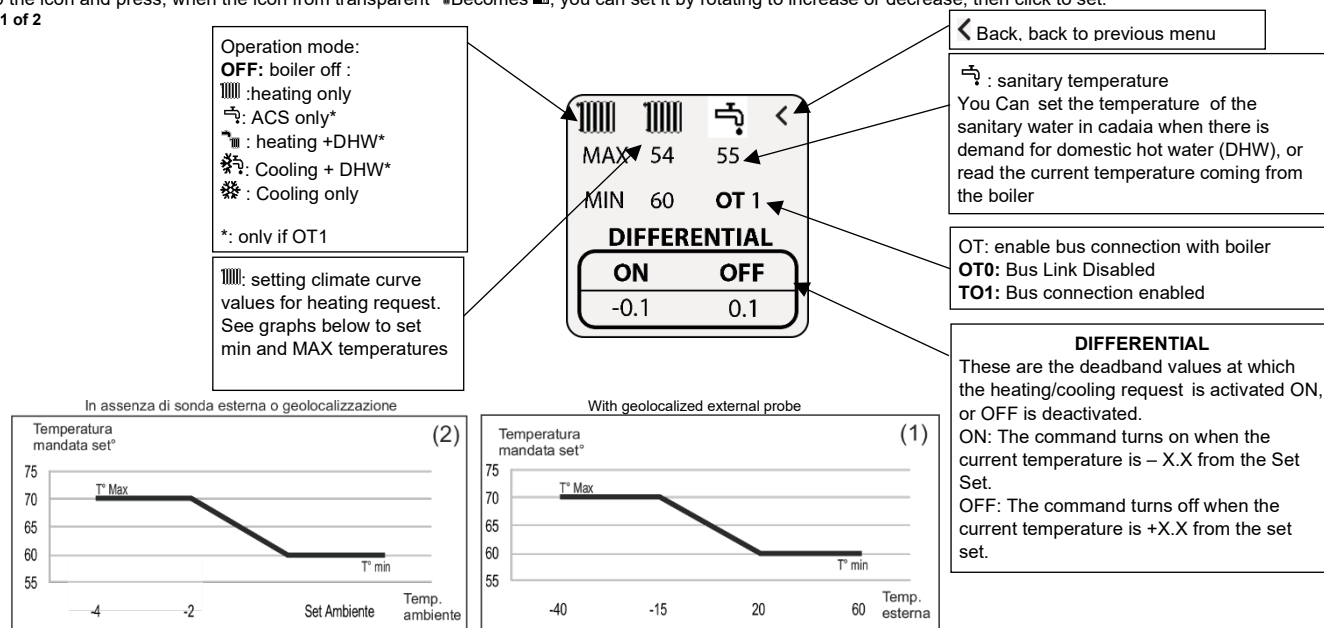
Click and then turn to change the day or if I click, and then turn I change the day of the week or of the week

copy the whole day
paste the whole day
Exit

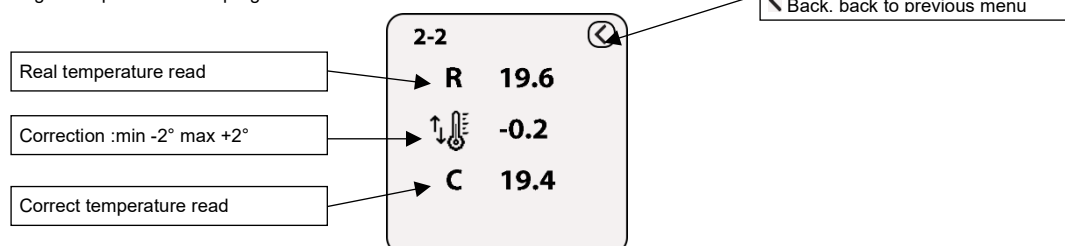
Thermostat menu:

Menu Thermostat | you can set the values of the dead bands, set the mode of operation of the Jotto GB, set the priority parameters of the operation. To set the parameters just rotate on top the icon and press, when the icon from transparent becomes solid, you can set it by rotating to increase or decrease, then click to set.

Page 1 of 2



Pag. 2 of 2 It is possible to correct the temperature read by the Jotto GB in order to Adjust the temperature displayed according to the position of the programmable thermostat in the station.



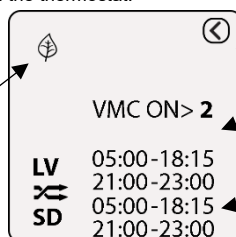
N.B: the programmable thermostat analyzes a series of data such as the position where it is installed, the type of wall on which it is fixed and any drafts present, in order to display the real temperature, to do this it needs about a couple of hours after turning it on, to be able to calculate the temperature as accurately as possible.

Menu Air:

From the Air menu, You can configure Methods of intervention of the paired WIFI relay for a possible control for Controlled Mechanical Ventilation (VMC) systems or punctual heat exchangers, based on to the reading of the Quality sensor Air present on the thermostat.

Operation mode:

- OFF** : AQ relay is off, the ambient air quality is only displayed.
-  : the AQ relay works according to the value read by the air quality sensor and the VMC ON value.
-  : the AQ relay works independently of the value of the air quality, according to the set chrono.
-  : the AQ relay works according to the value of the air quality sensor according to the value of VMC ON and the chrono set.



← back Back to previous menu

VMC ON> : indicates the value of AQ (air quality) above which the WIFI relay of the VMC machine or exchanger is controlled.

VMC machine schedule

They indicate the DA-A time slots, to which to operate the WIFI relay combined with the VMC machine or exchanger. LV=Monday-Friday; SD=Saturday-Sunday.

The IAQ index is a very important value in the way of living comfort at home, as it indicates the quality of the air present in your home.

The Jotto thermostat analyzes the quality of the air through a sensor that detects a series of components present in the air we breathe, and warns us if we need to exchange the air in the house.

The sensor needs time after turning on the thermostat, up to 1 day, to calibrate and be precise, please turn on the Jotto in a place as healthy as possible and in any case in a ventilated position.

The table below shows the values read according to the HUBA standard.

IAQ value	Reference level	Information on the quality air	TVOC (mg/m ³) ^[1]	Air Quality
Up to 1.9	Level 1	Clean and hygienic air (reference value)	< 0.3	Very good
2.0 to 2.9	Level 2	Good air quality (but do not exceed this threshold level)	0.3 to 1.0	Good
3.0 to 3.9	Level 3	Notable comfort problems (not recommended for exposure greater than 12 months)	1.0 to 3.0	Average
4.0 to 4.9	Level 4	Significant comfort problems (not recommended for exposure of one month only)	3.0 to 10.0	Poor
From 5.0 and above	Level 5	Unacceptable conditions (exposure is not recommended)	> 10.0	Bad

(1)The conversion from mg/m³ to ppm for many common TVOCs is approximately 0.5 (for example, 10 mg/m³ equals approximately 5 ppm). Conversion ppm to ppb is by a factor of 1000 (for example, 0.1 ppm equals 100 ppb).

Humidity Menu:

Menu Humidity, it is possible to configure the intervention modes of the combined WIFI relay for a possible command for Dehumidification, based on the sensor reading of humidity present on the thermostat.

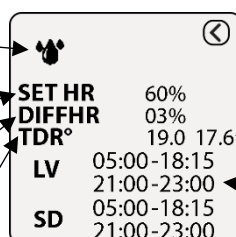
Operation mode:

- OFF** : HR relay is Off, the humidity present in the environment is only displayed.
-  : the HR Relay works according to the value read by the humidity Sensor and according to the values set below.

SETHR: indicates the desired humidity value.

DIFF HR: sets the differential above which the dehumidification is reactivated, turns off at SET HR turns on again at SETHR+DIFFHR.

TDR°: Dew Temperature: indicates the temperature value below which the system goes into humidity alarm, by turning off the zone valve outputs, only the dehumidification output remains on (if active).
N.B. if TDR value is set to OFF the alarm is disabled.



← back Returns to the previous menu.

Indicates the calculated dew temperature.

Dehumidification Machine schedule

They indicate the DA-A time slots, to which to operate the WIFI relay combined with the Tell modifier Machine. LV=Monday-Friday; SD=Saturday-Sunday.

Add relay menu



It is possible to combine up to eight Jotto relays, modules or WIFI products with each Jotto Gb, depending on whether you want to control the zone valves via WiFi, or a VMC machine or a dehumidifier based on the parameters set in the Air and Humidity menus. Thanks to DIRECT technology it is not necessary to connect the wifi relays to the home network, but JottoGB will directly connect the configured wifi relays.

You can choose to command:

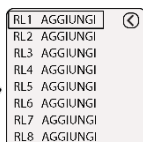
- TEMP like the clean contact present in the Jotto GB, so the relay closes when there is a request depending on whether you choose hot or cold.
- HOT if you want the relay to close when there is a request only in hot mode.
- COOL if you want the relay to close when there is a request only in cooling mode
- IAQ if you want the relay to close when there is a request depending on the parameters set in the AIR menu.
- HUMIDITY if you want the relay to close when there is a request depending on the parameters set in the HUMIDITY menu
- FAN COIL if you want to control fan coils in mod-bus, see the Fan Coil relay manual.



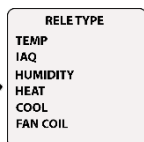
From the Menu setting, choose the WIFI menu



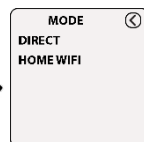
Rotate to choose "Add Relay"



Choose the number of the relay you want to add and click. If a relay already exists, you can choose whether to: overwrite or delete it



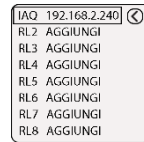
Choose the type of sensor you want to control with the relay, between Temperature, air quality or humidity, read the paragraph above.



Choose the WIFI connection mode between DIRECT which does not require configuring the relay, or HOME WIFI, in this case follow the instructions below before moving on to the next action.

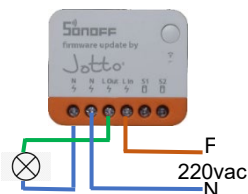


If you have chosen "Direct" the relay will be visible and selectable. If you choose "Home Wifi" and the relay has been paired, it will be visible from the Jotto GB, with the relevant IP address assigned to it by the Router. Select and click.



Once the relay has been configured, it will stop flashing and the operation will be completed.

1- First, connect the relay as shown below:



Connect to:
Load at 230Vac,,
maximum supported
current 10A at 230Vac



Press and hold for the button for 10 seconds and then release, the led will flash 1 time per second

P.S. the relay is modified according to the specifications of Jotto srl, use only the relay of the Jotto expansion package. Jotto declines all responsibility for the use of a relay other than that contained in the

2- Take your smartphone, tablet or PC and follow the instructions below:



Go to WIFI and choose the network "Jotto_RL_XXXXXXX", exit and open the browser and type the address "192.168.4.1"



The following Relay Configuration page will open, click on "Configure WIFI"



The page will open with the WIFI networks detected by the relay, choose the WIFI network to which the Jotto GB is also connected.



Enter the Password of the selected WIFI network, if the network is without password, press "Connect"

If everything has been done correctly, the LED on the WIFI relay will stop blinking and become solid.

Now it will be possible to match the relay according to the sensor you want to control, Temperatures, humidity, air quality

To pair a relay with the Jotto GB according to the sensor you want to control, take the relay, previously connected to the WIFI network.

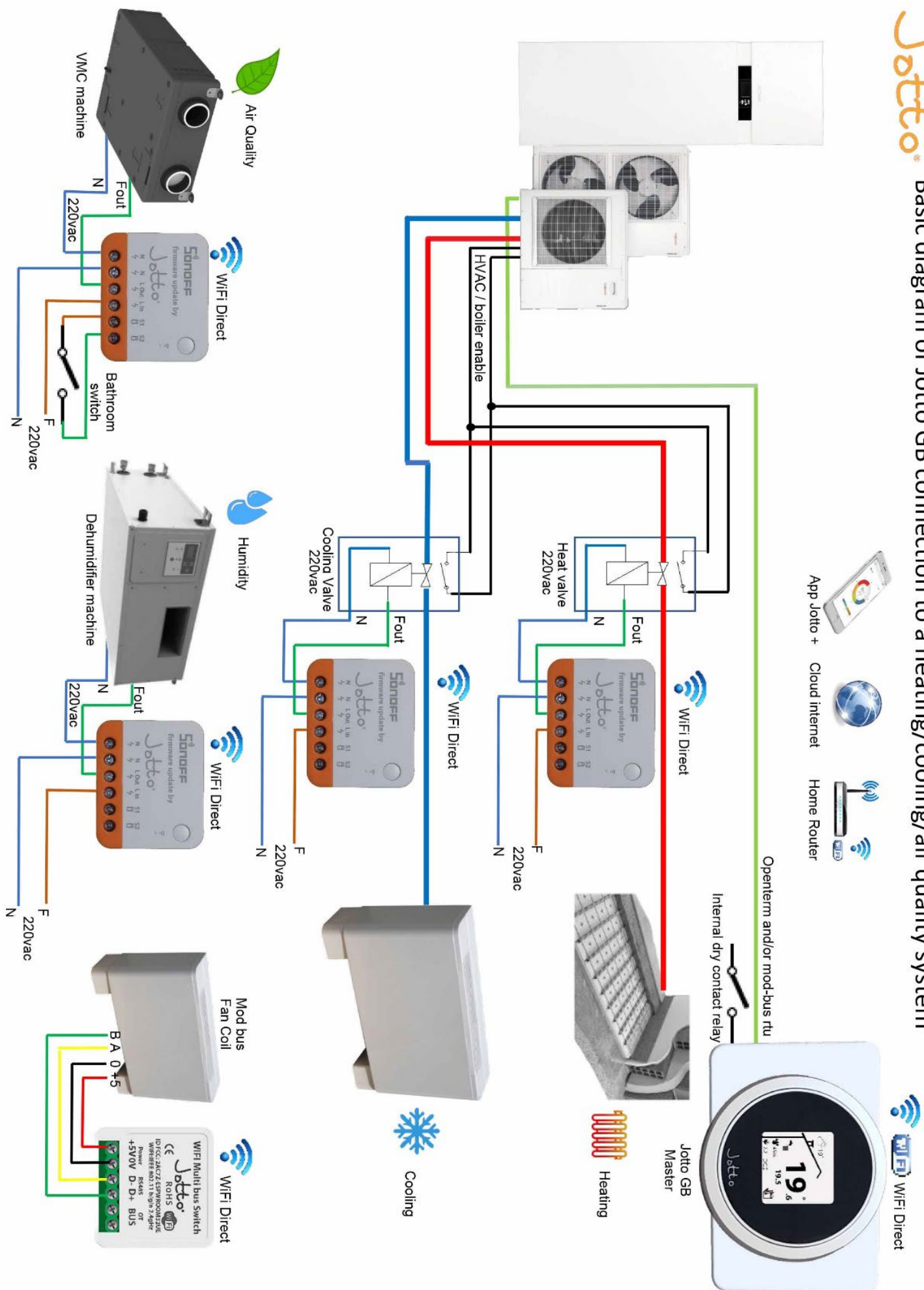


Click on the relay button, the LED will start flashing quickly, the relay will be in PAIRING

It will now be possible to add the wifi relay by following the "Add relay menu" procedure, selecting "HOME WIFI" on the "MODE" page



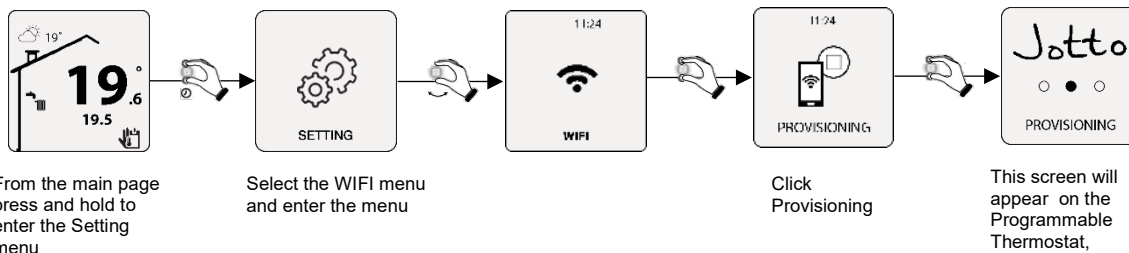
Basic diagram of Jotto GB connection to a heating/cooling/air quality system



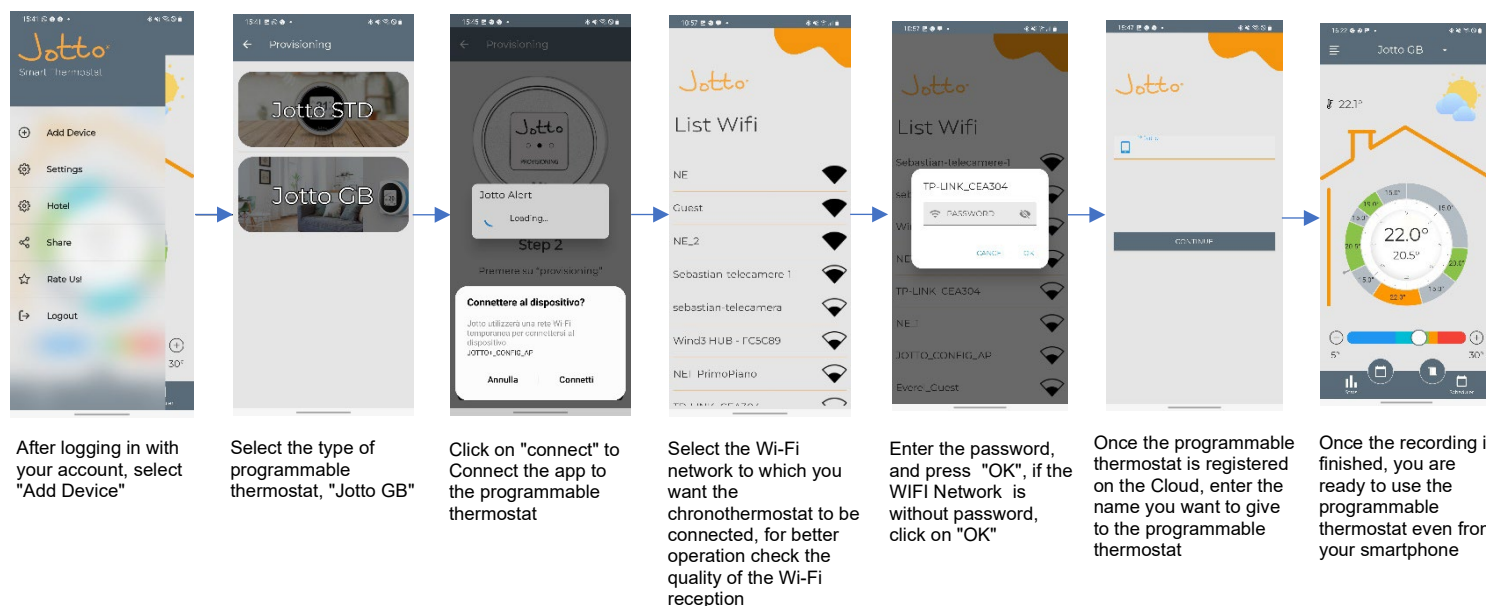
Use of the Jotto Plus App:

If you want to control the Jotto GB thermostat remotely, first download the "Jotto-Plus" app from the Google play store or the Apple app store. Open the App, first create your account by following the instructions of the App. Poi start recording the programmable thermostat to your home Wi-Fi network.

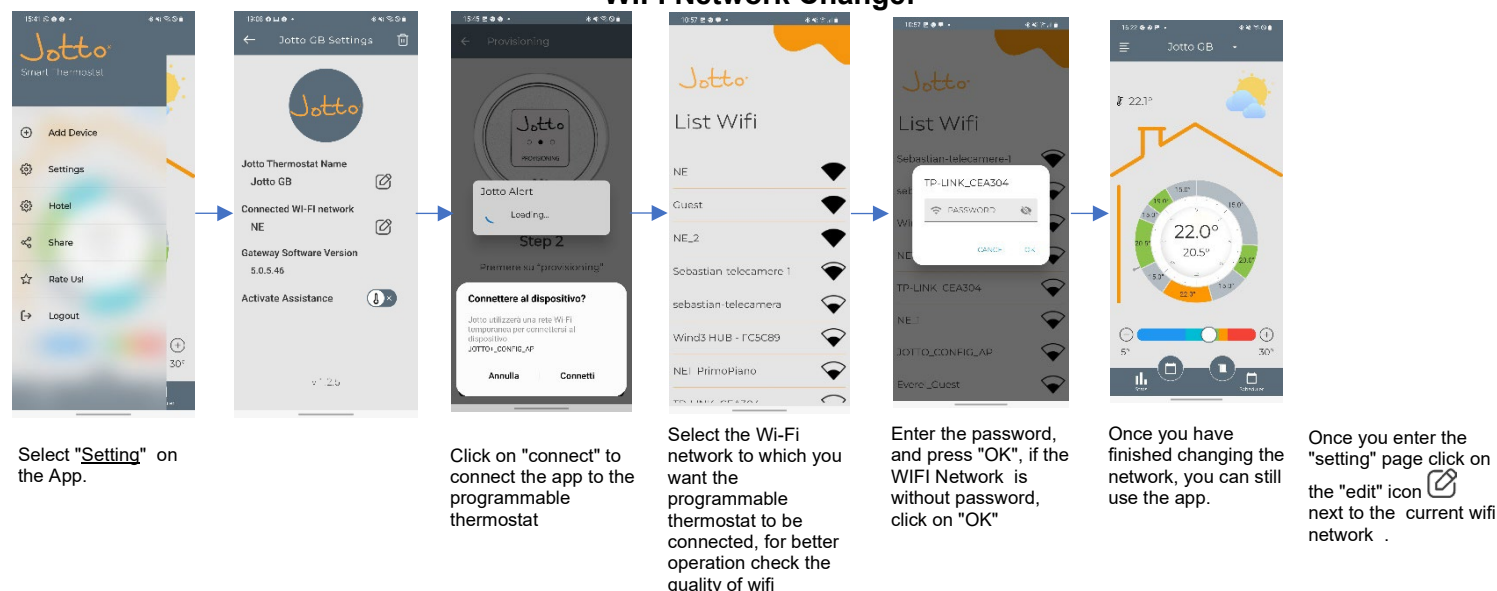
P.S. Before doing this, make sure you have the password data of the WiFi network you want to connect to and be sure that this network has an internet connection.



Open the Jotto-PLUS app, Select "Add Device" on the App



WIFI Network Change:



Jotto GB Features:

- Dimensions:.....109x80x33 WxHxD mm
- Wireless technology:.....Wi-Fi 802.11 b/g/n 2.4GHz
- Transmitting power:.....100mW
- Temperature reading range:.....0°C to 40°C
- Temperatures reading accuracy:.....+/- 0.5°C
- Temp Setting Range: Heating.....from 4.5°C to 30°C
- Cooling.....from 15.0°C to 40°C
- Temperature increase range:.....0.5°C
- Range Humidity reading range:.....from 5% to 90%

- Accuracy of LEttura Humidity.....+/- 3%
- Air Quality Efficiency Range (HUBA):.....from 1 to 5
- Air Quality Sensor Life:.....10 years
- Power supply:.....5Vdc with USB C connector
- Absorption:.....2W
- Operating temperature:0 - +40°C
- Storage temperature:.....- 10 - +50°C
- Max. relay current required operation generator:.....0.5 A (230Vac)