

# SMARTBOX Wi-Fi

ENGLISH



## Installation Manual

- Connected via Ethernet to the router
- It requires no configuration
- No computer required
- Powered via a micro USB adapter
- It manages the data collected from the various devices connected
- Each home requires at least one Smartbox

# CONTENTS

 <b>WARNINGS</b> .....	page 3
<b>INSTALLATION</b>	
<b>System assembly</b> .....	page 4
<b>Radio range warnings</b> .....	page 5
<b>SMARTBOX INSTALLATION</b> .....	page 6
<b>F.A.Q. (frequently asked questions)</b> .....	page 7
<b>RESET SMARTBOX</b> .....	page 8
<b>SMARTBOX TECHNICAL SPECIFICATIONS</b> .....	page 8
<b>SIMPLIFIED EU DECLARATION OF CONFORMITY</b> .....	page 8

## WARNINGS



The installation and electrical connection of the devices and appliances must be implemented by qualified personnel and in conformity with current laws and regulations.



Carefully read the instruction manual before using the product as it provides important guidelines regarding safety, installation and use. The instruction manual must be preserved with care for future reference.

- Ensure the product is intact once it is removed from its packaging.
- Packaging components (any plastic bags, PVC suspensions, etc.) must be kept out of reach of children.
- The Smartbox is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or by those with a lack of experience and knowledge of the instructions, unless they are supervised or have received the necessary instructions concerning use of the device by a person responsible for their safety. Children should be supervised to ensure that they do not play with the device.
- If necessary, clean the Smartbox with a slightly damp cloth.



**Important:** for the system modes and operation of the WIFI temperature control system and for correct installation, also see the specific manual of the programmable thermostat and of the APP.



**Radio frequency waves emitted by the wireless Smartbox are not a risk to human or animal health.**



**Important:** the manufacturer shall not, under any circumstances, be liable if the products fail to operate due to the interruption of the internet network or unavailability of these resources: Cloud, Server, Portal.



**Important:** internet access costs are charged to users according to the rates of their mobile phone provider.



**Important:** the manufacturer reserves the right to introduce any technical and/or constructive changes deemed necessary, with no prior notice.

### DISPOSAL OF ELECTRICAL & ELECTRONIC EQUIPMENT

This symbol on the product or its packaging indicates that this product shall not be treated as household waste.

Instead, it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment, such as for example:

- sales points, in case you buy a new and similar product;
- local collection points (waste collection centre, local recycling center, etc...).

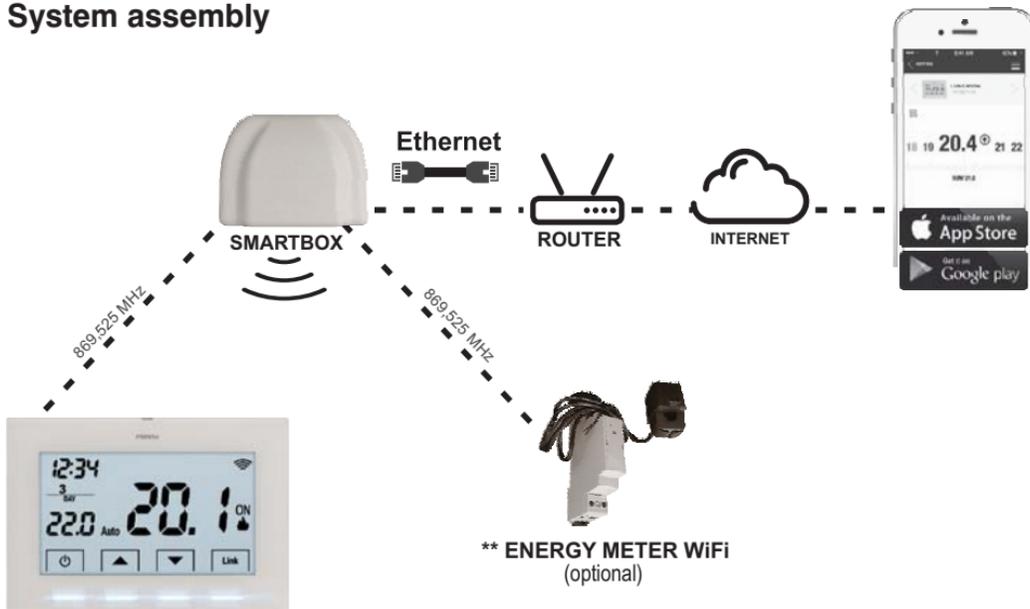
By ensuring this product is disposed of correctly, you will help prevent potential negative consequence for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product.

The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.



## INSTALLATION

### System assembly



\*WI-FI PROGRAMMABLE THERMOSTAT

MAX  
30

\*EXPANDABLE (up to 30 devices):

- the dwelling can be divided into several thermal zones by adding other programmable thermostats (even in homes with distribution manifolds).
- it is possible to add n° 01 \*\*Energy meter (optional).

# INSTALLATION

## Radio range warnings

During installation, some precautions must be taken in order not to limit or, in some cases, inhibit the range of the radio waves between Smartbox and i dispositivi connessi, in particular:

- install the appliance away from metal furniture or structures which could alter or screen propagation of radio signals;
- make sure that there are no electrical or electronic devices (television, microwave oven, etc.) within a range of at least 1 m from the appliance;
- if possible, install the device in a central position;
- if the apartment is made up of several floors, install the device on a middle floor.

Note: if there are no obstacles between the Programmable thermostat and Smartbox, the "open air" range is approximately 200 m; indoors with the presence of walls, the range is approximately 30m (see "technical data").

Radio range decreases significantly when the components are interposed between the obstacles. This attenuation varies in different degrees depending on the type of material the walls or barriers to cross are made of.

The presence of noise or electromagnetic interference sources can also reduce the indicated radio range.

Below are some examples of mitigation related to materials, which impact on the "Free air" range declared above.



### DENSE VEGETATION

trees, hedges, shrubs, etc.  
radio range reduction of 10% ÷ 25%



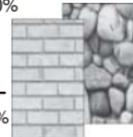
### WOOD OR PLASTERBOARD WALLS

radio range reduction of 10% ÷ 30%



### BRICK OR STONE WALLS

radio range reduction of 40% ÷ 60%

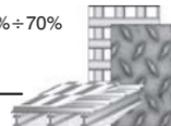


### CONCRETE WALLS

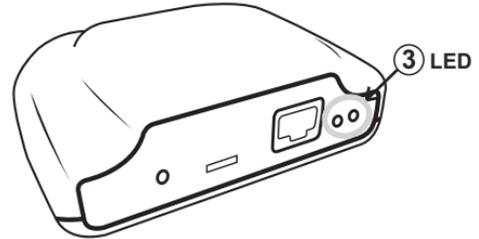
radio range reduction of 50% ÷ 70%

### METAL WALLS and/or FLOORS

radio range reduction of 65% ÷ 90%



## SMARTBOX INSTALLATION



1. Connect the Smartbox to the router with the Ethernet cable
2. Connect power by means of the micro USB adapter

### 3. Control of LEDs

**Normal:** orange light on, alternating with green light every 5 seconds; otherwise see FAQ on next page.

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4. Register via APP (see procedure in APP manual)
  5. Access your account to configure the local data and to allow for the automatic detection of the Smartbox. Follow the instructions on the APP.

## F.A.Q. (frequently asked questions)

### 1) The Smartbox does not connect.

Check that the unit is powered and correctly connected to the router of the user by means of the Ethernet cable, without proxy and with 123 UDP, 5000 TCP and 5001 TCP ports open. The DHCP protocol must be enabled on the router.

#### The LEDs on the Smartbox indicate:

- **Green light off, orange light flashing once each second:**  
Smartbox in discovery mode to find new devices to connect.
- **Orange light on steady, green light flashing quickly:**  
IP not assigned to Smartbox. In this case switch the Smartbox off and back on by unplugging it and plugging it back in.
- **Orange light on steady, green light flashing once every 5 seconds:**  
Smartbox with IP assigned but no communication with server.
- **Orange light on alternated with green light every 5 seconds:**  
Smartbox with IP assigned and correctly connected to the server.

### 2) The programmable thermostat does not connect to the Smartbox:

Make sure that the device is associated to the Smartbox, check that the association and connection symbol  appear on the LCD display of the programmable thermostat. If not (no radio signal symbol viewed), proceed with the association process as indicated in the specific installation manual of the programmable thermostat.

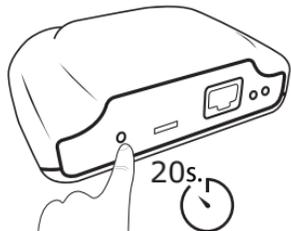
If the symbol  appears on the programmable thermostat display, it means that the device is associated but is not able to connect to the Smartbox.

Check that the Smartbox is switched on properly and that there are no obstacles which can limit the RF radio signal. Note: check that the distance between the 2 devices inside the home or room does not exceed 30 m and that there are no obstacles, objects or particular walls that decrease the radio range (see programmable thermostat installation).

If the problem persists, reset the programmable thermostat and remove it from the APP. Repeat the association of the programmable thermostat to the Smartbox.

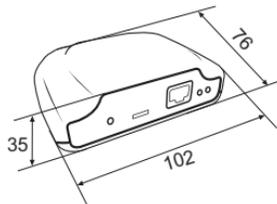
## RESET SMARTBOX

Press the smartbox key for 20 seconds



### Smartbox technical specifications

- External supply voltage: 5V  $\overline{\text{---}}$  350 mA
- Micro USB adapter (included)
- Consumption 300mA
- RJ45 connector for Ethernet connections
- Ethernet cable 0.5 m (included)
- LED status indicator
- Radio emission: the appliance intentionally emits radio waves at a frequency of 869,525 MHz, with a max. power 0.75mW e.r.p.
- Dimensions:  
L = 102mm; P = 76mm; H = 35mm



## F.A.Q.

(Frequently Asked Questions and Inconsistent Resolutions)

consult the FAQ on page:

<http://perry.it/it/prodotto/1tx-rx01wifi.aspx>

or else access it using the QR code:



## EU SIMPLIFIED CONFORMITY DECLARATION

The manufacturer declares that the type of radio equipment listed below complies with Directive 2014/53/EU (RED).

The full text of the EU Declaration of Conformity is available at the following Internet address:

<http://www.perry.it/it/dichiarazioni.aspx>

*Manufacturer, Fabricat, Fabrikant, Fabricante, Fabricante:*

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*Type, Typen, Tipo:*

**1TXRX01WIFI**

**V002**

