SmartDHOME IR Controller for Air Conditioners User Manual

SmartDHOME IR Controller for Air Conditioners

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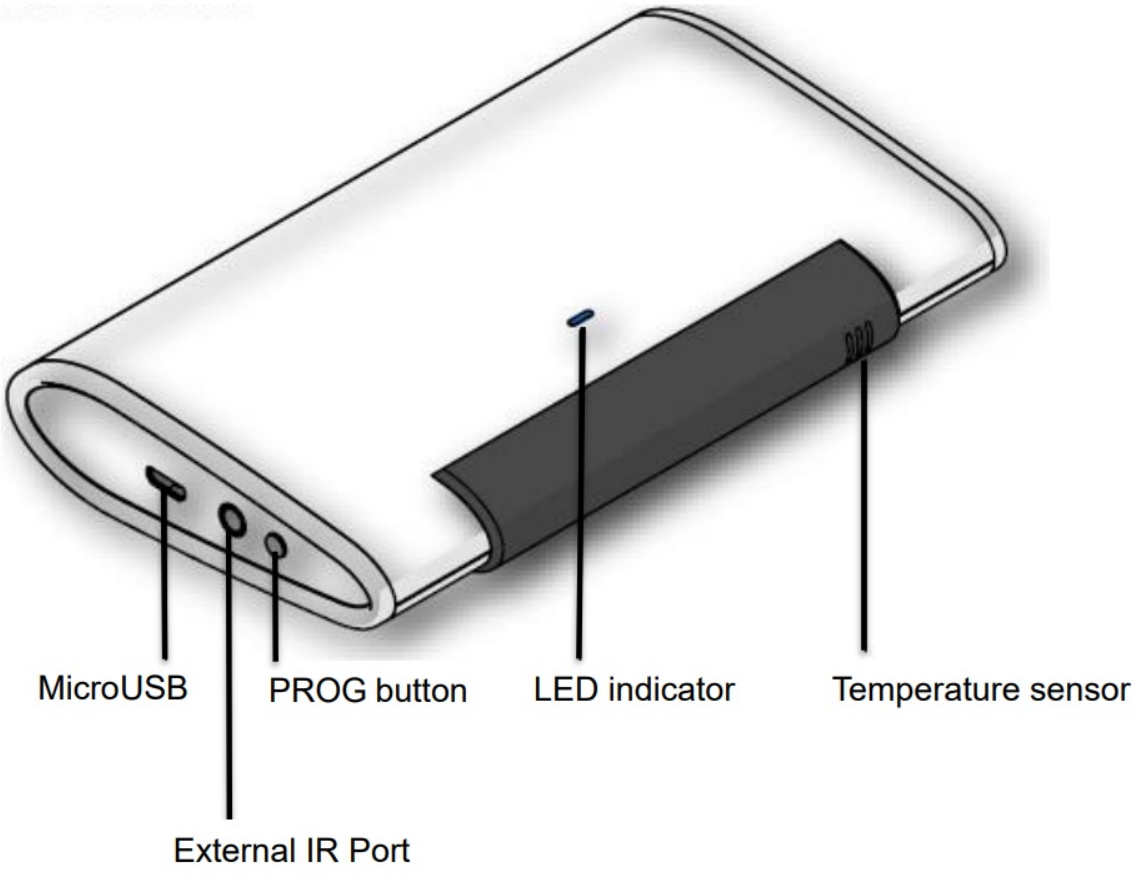
Description

The IR controller for air conditioners, heat pumps and stoves has been designed to be able to replicate the inputs of the infrared remote controls of air conditioners, heat pumps and stoves from a smartphone.



Features

- Protocol: Z-Wave Plus (868.42MHz)

- Power supply: MicrUSB (not included), 2AA batteries (not included)
- Measurable temperature range 0 °C – 40 °C
- Resolution: 0.5 °C
- Operating temperature: 0 °C – 40 °C, not condensed
- Signal port: 30m in open field
- Dimensions: 128 x 78 x 22mm
- Weight: 84g (excluding battery)

Package contents

- IR controller for ait conditioners heat pumps and stoves.
- Fixing accessories
- User manual

Installation

ATTENTION! Before installing the device, power it with battey or MIcroUSB (not included) and carry out the inclusion procedure.

Note: if you decide to power the controller by battery (2 x AA not included) the FLiRS (Frequently Listening Routing Slave) mode will be activated immediately. It will allow a great saving of the battery thanks to the suspension of the device when it isn't in use. The response of the Z-Wave command will therefore have a latency of 1-2 seconds longer than the MicroUSB power supply.

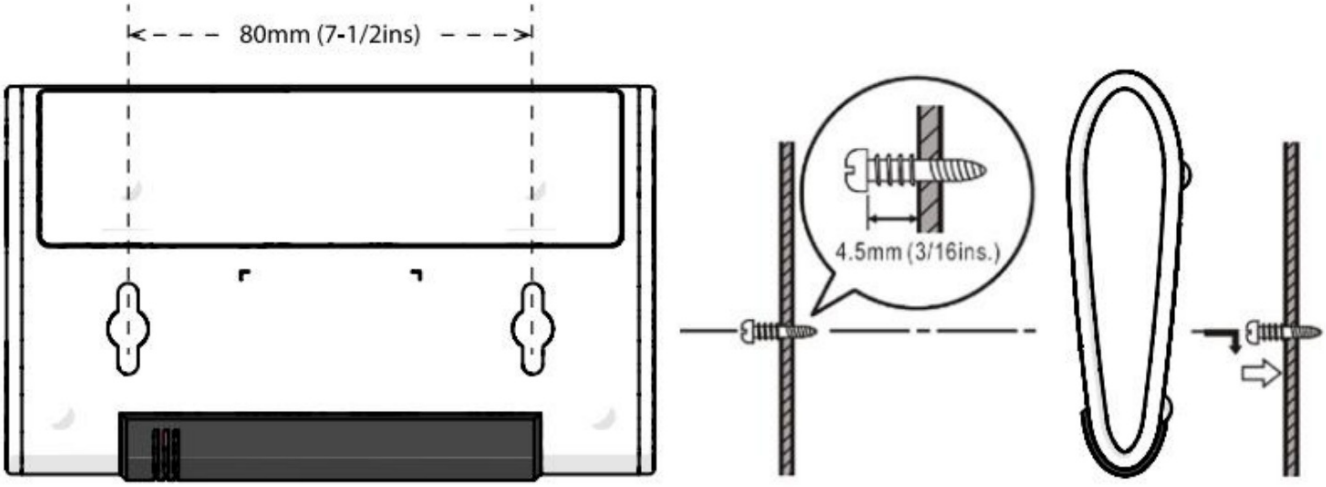
Assembly

The IR controller should be mounted on an interior wall at a height of 1.5m from the floor, where it can be easily affected by the room temperature. Before assembly, check the best place for installation to avoid damaging the device. The suitable place to fix the controller is a place where there are no objects that could block the communication between it and the air conditioner, stove or heat pump.

Note: Avoid mounting near equipment that heats up during use (es. TV, radiator, refrigerator).
Note: Avoid mounting in places in direct sunlight, drafts or in some enclosed space.

Once you have found the place, follow the instructions:

- Place the controller on the wall and mark the hole locations with a pencil.
- Drill the holes in the positions just marked, then insert the wall plugs supplied.
- Insert and fix the screws as shown in the figure.



Assembly note

- It is recommended to install the controller so that the black stove is aligned with the IR receiver, so that the My Virtuoso Home device communicates directly with the air conditioner or heat pump.
- Within a radius of 5 meters, the device sends the command in from the alignment with the IR receiver, however it is highly recommended to install the controller with the black part aligned with the IR receiver of the device we want to control.
- The range of action is about 10 meters in an open field, the further you move it, the more difficult it will be to send commands, so it is recommended to stay within this range.

Inclusion

Before starting the procedure for including the device in a Z-Wave network, make sure that the My Virtuoso Home gateway is in inclusion mode (refer to the relevant manual available on the website **www.myvirtuosohome.com/en/downloads**).

1. Quickly press the pairing button 3 times within 1 second. The controller will enter into inclusion mode and the green LED will flash 2 times.

Note: if a red LED flashes twice, the inclusion procedure was not successful. It is necessary to repeat the procedure.
Note: if the inclusion procedure does not work, try to exclude and/or reset the device to factory settings and try to include again.

Exclusion

Before starting the procedure for including the device in a Z-Wave network, make sure that the My Virtuoso Home gateway is in exclusion mode (refer to the relevant manual available on the website **www.myvirtuosohome.com/en/downloads**).

1. Quickly press the pairing button 3 times within 1 second. The controller will enter into exclusion mode and the green LED will flash 2 times.

Note: if a red LED flashes twice, the exclusion procedure was not successful. It is necessary to repeat the

procedure.

Reset

It is possible to reset the device to factory settings without having to involve the My Virtuoso Home gateway.

ATTENTION! Perform this procedure only if the gateway is not operational.

1. Press and hold the pairing button for 3 seconds, the green LED will turn on. DO NOT release the button until the LED flashes 2 times.

Command learning

The IR Controller for air conditioners, heat pumps and stoves has the ability to learn and commands to send to the air conditioner. To configure these commands, you need to use the application:

- Correctly include the device so that it is visible on the page where the list of devices is shown. Press the green arrow on the right of the product name.
- On the detail page of the IR Controller, press “configure commands”. Wait a few seconds, until a screen appears with all the commands already stored by the device and the item add a new command.
- Choose one of the four options (OFF, COOL, HEAT, DRY) available in the screen menu. How to set the commands:

Off and Dry

Choose one of the two commands and then press configure command.

Cool and Heat

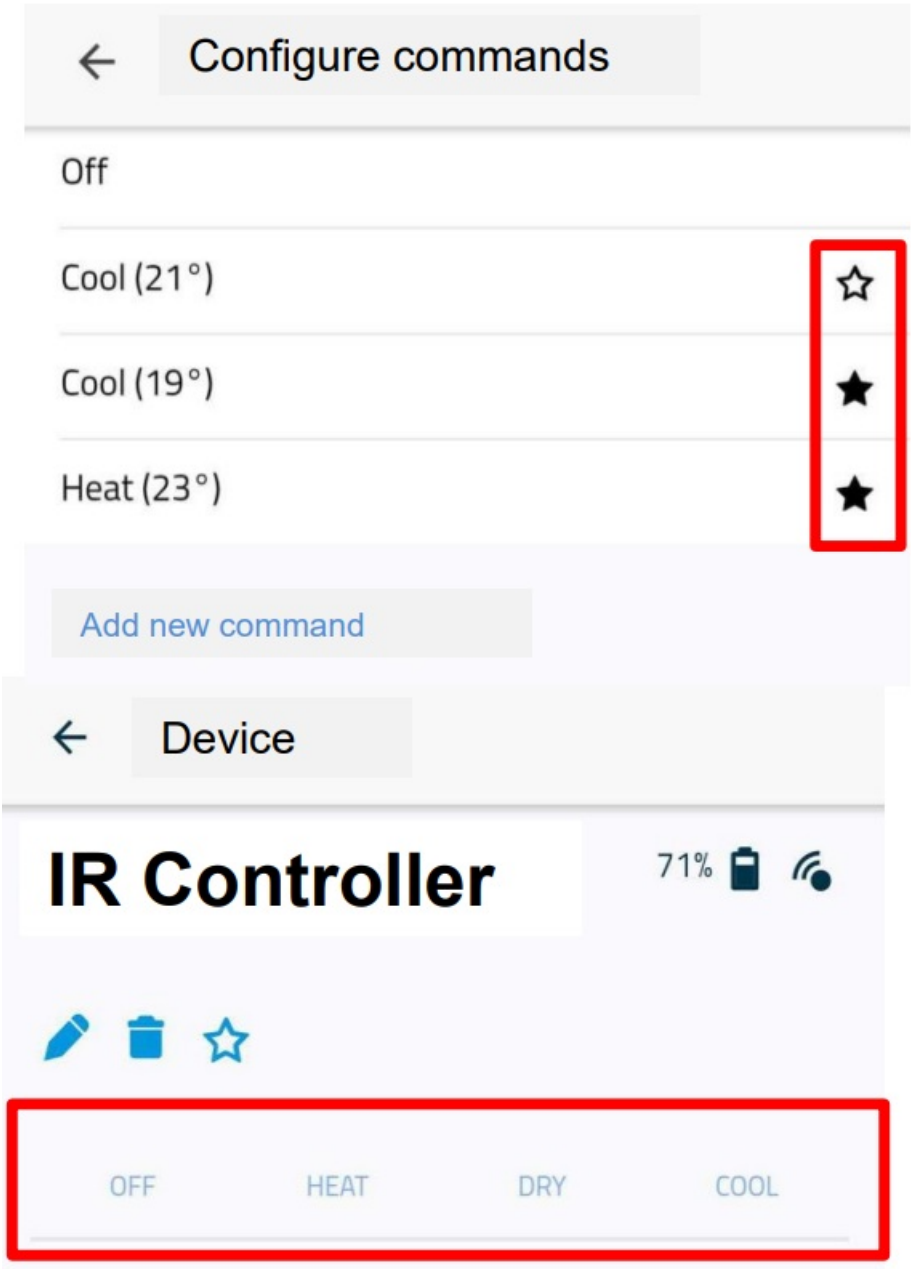
Choose one of the two commands and select the temperature you want to teach. Then press configure command.

- Once you have pressed the configure command button, hold the air conditioner remote control no more than 5 centimetres from the black plate of the IR controller and, following the procedure in the application, press the button for the command you have decided to teach.

Here’s how the LED behaves

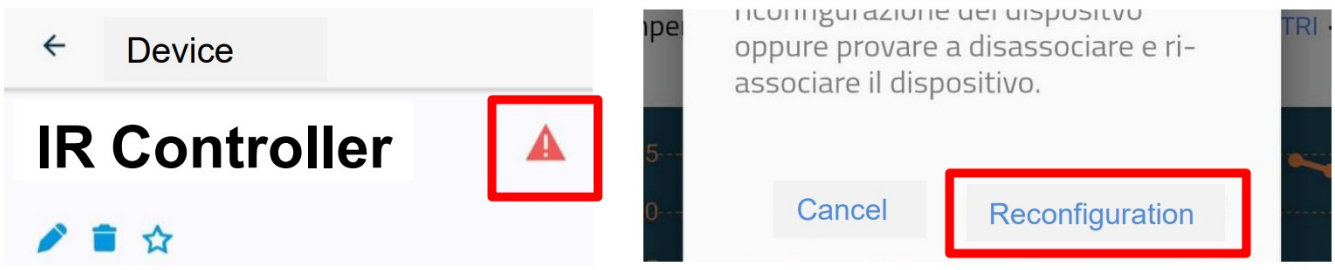
Green LED	The device is in learning mode
Green LED flashes 2 times	The command has been learned
Red LED flashes 2 times	The command was not learned

The procedure will be successful when a message appears on the application informing you that the command has been learned and it will be possible to see it in the Configure Commands page.
For the HEAT and COOL commands, a star will be shown on the right side of the screen and it will be possible to select only one command at a time for each of these modes



The selected commands will be visible within the device detail screen. These buttons willonly be visible after you have taught the commands to the device

Note: If a red triangle appears on the detail page or on the devices page while teaching commands, please ignore it until all the useful commands have been taught. After completing the procedure, bring the IR controller less than one meter from the MyVirtuoso Home gateway and first press the triangle and then the reconfiguration button. If it fails, and therefore the triangle remains visible, repeat the procedure. If the problem persists, contact support on the site http://helpdesk.smartdhome.com/users/register.aspx



Disposal

Do not dispose of electrical appliances in mixed urban waste, use separate collection services. Contact the local council for information about available collection systems. If electrical appliances are disposed of in landfills or in inappropriate places, hazardous substances can escape into groundwater and enter the food chain, damaging health and well-being. When replacing old appliances with new ones, the retailer is legally obliged to accept the old appliance for free disposal.

Warranty and customer support

Visit our website: http://www.ecodhome.com/acquista/garanzia-eriparazioni.html

If you encounter technical problems or malfunctions, visit the site:
http://helpdesk.smartdhome.com/users/register.aspx

After a short registration you can open a ticket online, also attaching images. One of our technicians will answer you as soon as possible.

SmartDHOME Srl
V.le Longarone 35, 20058 Zibido San Giacomo (MI)
info@smartdhome.com
Product number: 01335-1020-00
Rev. 03/2022

Documents / Resources

	SmartDHOME IR Controller for Air Conditioners [pdf] User Manual IR Controller for Air Conditioners, IR Controller, Air Conditioners, Controller

References

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Manuals+.