

Zipatle

Zipatle2 / Alloy Fusion

af2c,z2t+,zt2.gbs.zweu.ule,zt2.hbs.zwus.ule



Quick-Start Guide

v.1.0

THANK YOU FOR BUYING

Zipatile2 / Alloy Fusion

ZipaTile2 is a multi-functional smart home controller.

It can be easily mounted in any home. Featuring a large number of built-in sensors and hardware modules, ZipaTile2 can replace a number of home devices, like security system, thermostat, automation controller, IP camera, alarm siren or intercom, and brings them all together in one smart, beautiful device.

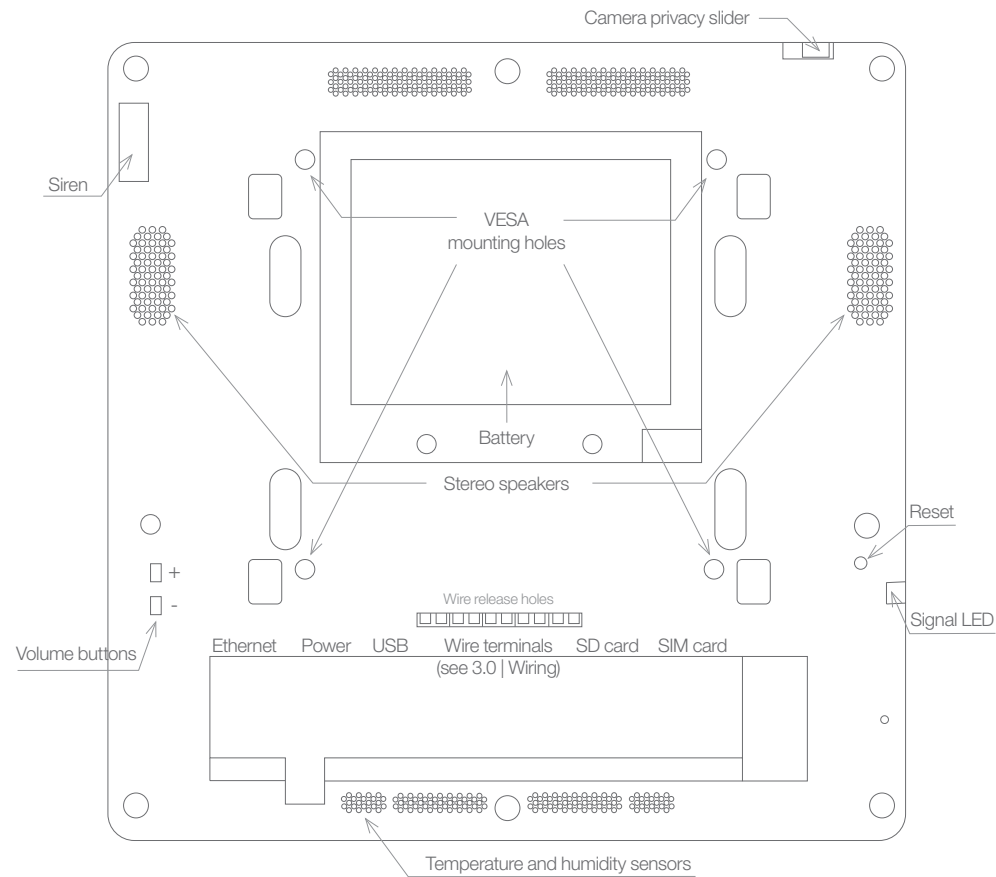
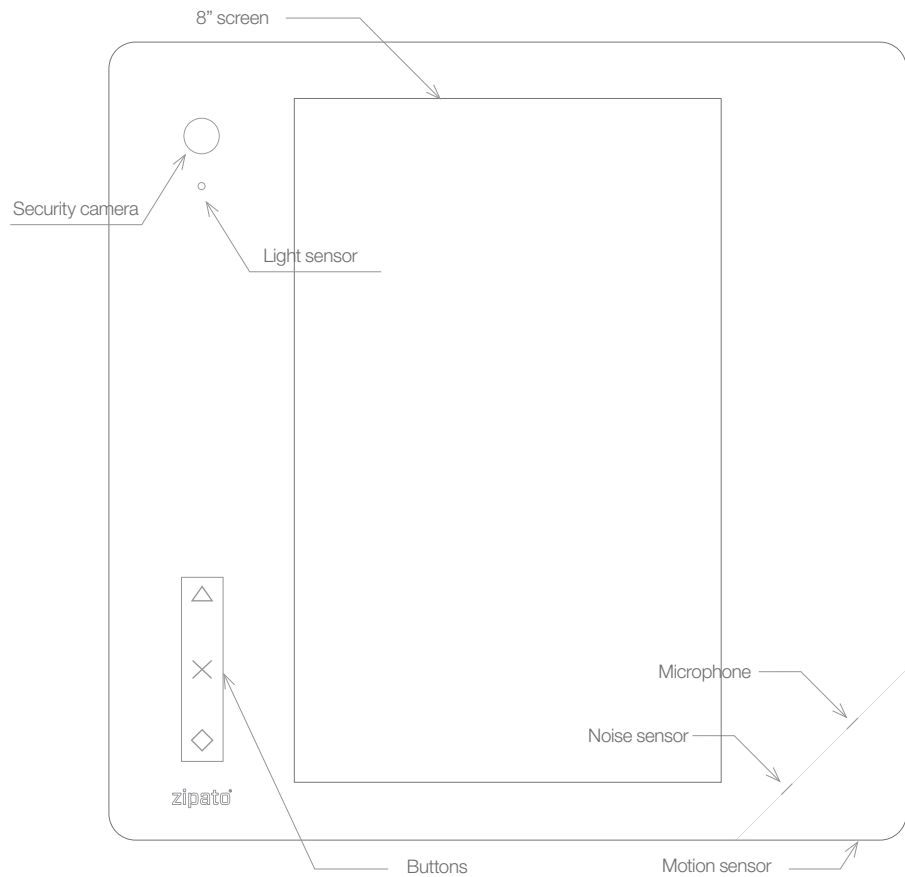
1.0 | UNPACKING

1.1 | PACKAGING CONTENT

- ZipaTile2
- Quick Start Guide
- Drill template
- Multifunctional power supply
- In-wall power supply adapter
- Wall mounting bracket and screws
- VESA mounting screws

1.2 | FEATURES

- Touch sensitive 8" screen, 800 x 1280px
- 3 programmable scene buttons
- 4 dry outputs 230 VAC, 1A (60 W max)
- 1 dry input 230 VAC
- HVAC interface (support for 2-5 wire thermostat installations, HVAC version only)
- Security camera with privacy switch
- Multi-sound alarm siren, 100 dB @ 10 cm
- Stereo speakers 2 x 1W
- Microphone
- Ethernet (built-in)
- RS-485 interface
- Motion sensor
- Noise sensor
- Temperature sensor
- Humidity sensor
- Light sensor



2.0 | MOUNTING ZIPATILE2 ON A WALL



Risk of Electrical Shock Before performing any electrical work, turn OFF the power to the AC wires leading into the in-wall box at the main power source. Before starting the installation, use a non-contact voltage detector to ensure that there is no power to any wires in the wall box.

CAUTION! Installations should be performed in accordance with all national and local electrical codes. If you are unsure or have questions about the installation, please seek the advice of a qualified electrician. Do not apply power to the ZipaTile2 before completing the installation. Please make sure that a proper power cut-off device is part of your power supply circuit (electrical fuse).

NOTE Use safety goggles and gloves when drilling holes in the wall for screw anchors.

NOTE This product should not be plugged in sockets that can be turned off with a switch.

2.1 | REQUIREMENT

- Screwdrivers: flathead and Philips
- Pliers
- Wire stripper / wire cutter
- Non-contact voltage detector
- Electrical tape
- Drill and drill bits appropriate for the wall type

2.2 | INSTRUCTIONS

DRILL TEMPLATE

1. Choose your mounting location. Tape the Drill template, logo side up, in the location you want to install your ZipaTile2. Make sure it is leveled.
2. Drill through the four marked screw hole locations with a 1/5" (6mm) bit suitable for your wall type.
3. Make sure you have enough room (or a hole in the wall) to route all the wires and cables on the back side

of the ZipaTile2. Use the area marked on the drill template (129x30mm) to check.

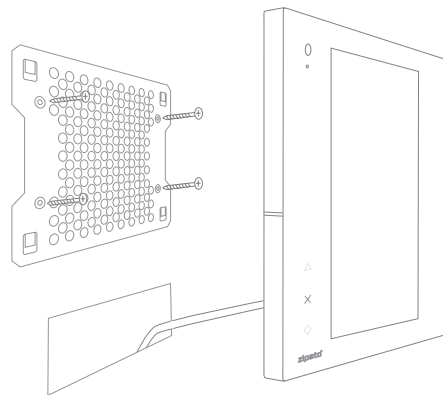
4. Remove the drilling template.
5. Insert the plastic inserts into holes in the wall. Push them 3 mm deeper into the wall, to make room for bulges on the wall mounting bracket.
6. Place the ZipaTile2 wall holder over the holes and install it using the provided screws.

2.2.1 | WALL MOUNT WITH BUILT-IN POWER SUPPLY (recommended)

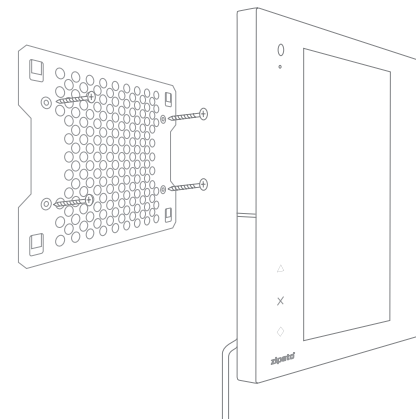
For compact wall mounting into an in-wall box, clip-on wire adapter onto the power supply and connect the adapter wires to the AC wires.

2.2.2 | WALL MOUNT WITH PLUG-IN POWER SUPPLY

If there is no in-wall box at the desired mounting location, please use the wire channel at the back of the device to place the power wires behind the ZipaTile2 and use the bundled plug-in power supply to connect to a wall socket.



Wall mount with Built-in Power Supply



Wall mount with plug-in Power Supply

3.0 | WIRING

3.1 | POWER OPTIONS

ZipaTile2 can be powered in three different ways:

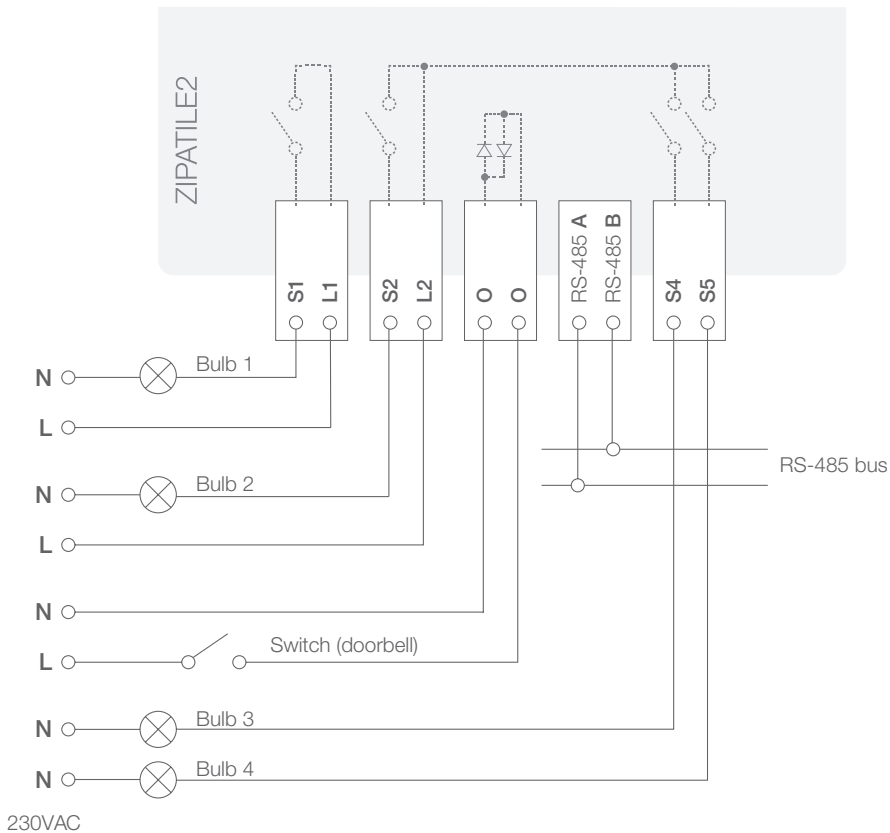
- 1. USB power adapter
- 2. PoE (Power over Ethernet)
- 3. HVAC installation (C wire)

Normally, use the included power supply and connect the micro-USB connector to the power port of ZipaTile2 unit. If the ZipaTile2 is equipped with PoE module (see section 8.0 | Model numbers nomenclature description), it can also be powered via Ethernet (when connected to PoE enabled switch), and via 24 VAC from HVAC wiring (in this case C (common) wire needs to be connected).

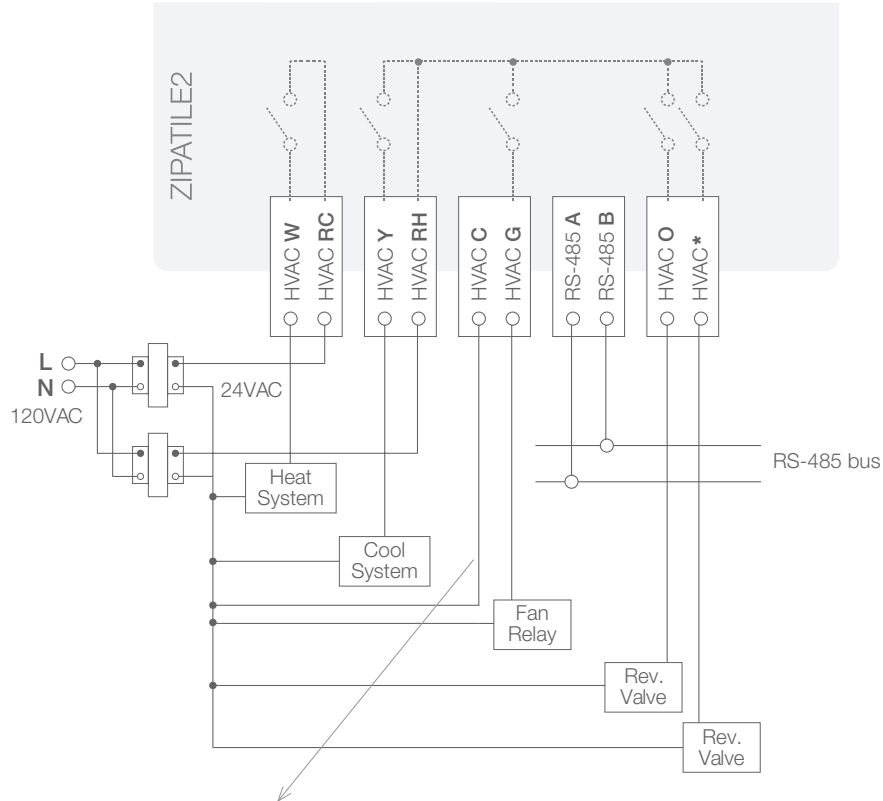
3.2 | OUTPUTS/INPUTS

There are two different hardware variants of ZipaTile2, differing in output configurations. Before attempting to connect wire terminals, please check which variant you have (this info is visible on the label of the device). For more info, refer to section 8.0 | Model numbers nomenclature description.

3.2.1 GENERAL HARDWARE VARIANT



3.2.2 HVAC HARDWARE VARIANT



Connect only if ZipaTile2 is equipped with PoE module, and you intend to power it from thermostat wiring.

4.0 | POWERING ON YOUR ZIPATILE2

Press and hold (3 sec) the power button on top of the ZipaTile2. Boot process will start with the logo on the screen and it will finish when you see the Zipato login screen.

5.0 | CONNECTING TO THE INTERNET

ZipaTile2 has to be connected to the Internet, over the Wi-Fi or Ethernet, to configure it properly. The user needs to open "*Android Settings*" to connect to the Internet. It is the standard menu where the user can configure Network, Device, Personal and System settings related to the Android operating system.

5.1 | Wi-Fi

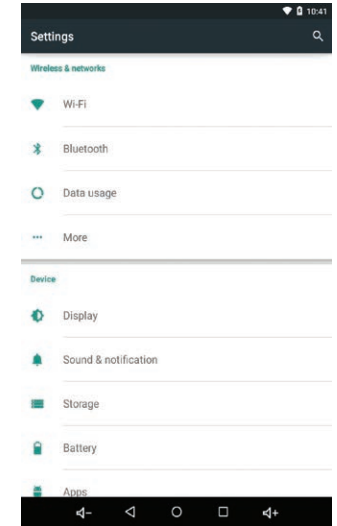
If you have Wi-Fi network follow these steps:

1. Open the Android Settings app.
2. Choose Wi-Fi.
3. Turn on Wi-Fi to view a list of available Wi-Fi networks.
4. Select one of the available Wi-Fi networks.
5. If prompted, type the network password.
6. Press the Connect button. The network is connected immediately. If not, check your password and try again.

5.2 | ETHERNET

If you have Ethernet connection follow these steps:

1. Plug ethernet cable into Zipatile2.
2. Plug ethernet cable into the ethernet port.
3. Wait until the icon appears on the status bar.



Android Settings

Some wireless networks do not broadcast their names (SSID). In that case, select three dots in the upper right corner and choose Add network from dropdown menu. To make the connection, type the network name (SSID) and follow the above procedure from step 4. When setup completes, Wi-Fi Connected icon appears.

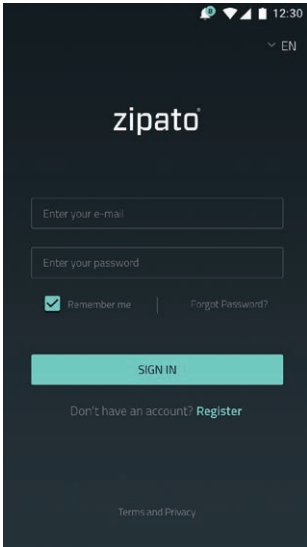
6.0 | ZIPATO SMART-HOME APP

6.1 | LOG IN/REGISTER

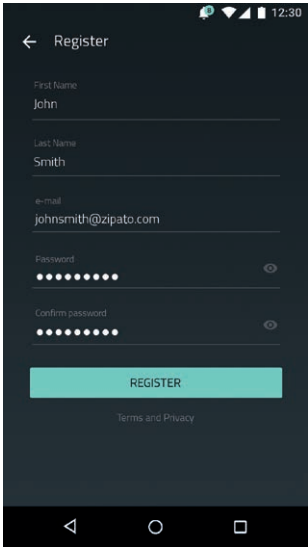
Use your account's username and password to log into Zipato app.

If you are not a registered Zipato user, you need to register your user account on Zipato server by pressing “Register” button. You will be required to enter your name, surname, e-mail address and password, and confirm registration by clicking the link in the e-mail that you received during this process. Now you can log in to Zipato app.

If that doesn't work, click “Forgot password?” and enter email addresses you used. Then, check your email inbox – we will send password reset instructions to the account's email address.



Login screen



Register screen

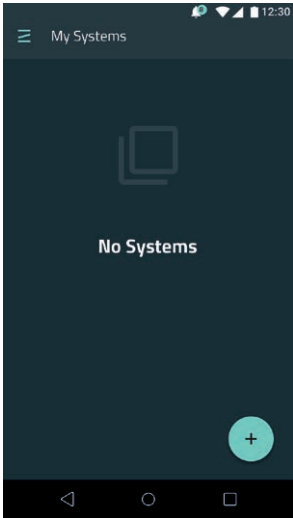
6.2 | CREATING THE SYSTEM

In order to register and use your Zipatile2 with Zipato, you need to have your own Zipato System. If you don't have a System already, just go to My Systems and click “+” icon to create a new one.

6.3 | REGISTERING THE ZIPATILE2

Go to your Zipato System which you want to register you Zipatile 2 to and go to Devices in the main menu. You will see Servers page where you can register your Zipatile2 as one of the servers in your System. Click “+” and enter a serial number of your Zipatile2 in the dialog box.

NOTE For creating a System and registering Zipatile2, it is necessary to have Zipatile2 connected to the Internet.



6.4 | HELP

More info about setting up and using Zipatile2 and Zipato systems, in general, you can find in the Knowledge base. Just go to the main menu in Zipato application and click “Knowledge base”.

NOTE It is very important to upgrade applications to the latest version with App Repo application before proceeding.

7.0 | TECHNICAL SPECIFICATION

SYSTEM

Quad-Core Cortex ARM CPU
Mali400 MP2 GPU
2GB RAM
8GB FLASH
Android 8.1 Oreo

NETWORK

Ethernet (built-in)
Wi-Fi 802.11 b/g/n
Bluetooth 4.x
Z-Wave+ (500 series, optional)
ZigBee HA (optional)
EnOcean (optional)
433 MHz (optional)
ULE (optional)
3G/4G (cloud connection backup, optional)
DECT

SENSORS

Noise
Light
Humidity
Temperature
Motion
Shock

POWER

Power input: 5VDC
Power supply input: 100-240VAC, 50/60Hz
Power usage: <2W (Idle), 7W (Max.)
Backup battery: Li-Ion 3.7V 3500mAh
POE (Power Over Ethernet, optional)
HVAC power (using C wire, optional)

INPUT/OUTPUT

Touch sensitive 8" screen, 800x1280px
3 programmable scene buttons
4 dry outputs 230VAC, 1A (60 W max)
1 dry input 230VAC
HVAC interface (support for 2-5 wire thermostat installations, HVAC version only)
RS-485 interface
Security camera with privacy switch
Multi-sound alarm siren, 100 dB @ 10cm
Stereo speakers 2x1W
Microphone

ACCESSORIES

Drill template
Multifunctional power supply
In-wall power supply adapter
Wall mounting bracket and screws
VESA mounting screws

PHYSICAL DIMENSION

7.9 (W) x 7.9 (H) x 0.6 (D) inches
200 (W) x 200 (H) x 15 (D) millimeters

ENVIRONMENTAL

Operating temperature: 0°C to 40°C (32°F to 104°F)
Storage temperature: -25°C to 70°C (-13°F to 158°F)
Humidity: 5% to 95% non-condensing

REGULATION

Safety: UL power supply
FCC
CE
RoHS

8.0 | MODEL NUMBERS NOMENCLATURE DESCRIPTION

Model number: **zt2_..ABC.D.E.F**

Suffix markings from A to F, are place holders for possible variations of main board, casing and modules types, explained below.

_ - PoE included (if yes="+", if no="blank")

A - Type of mainboard (general="g"/HVAC="h")

B - housing color (black="b"/white="w")

C - frame color (silver="s"/gold="g")

D - Left radio module (3G/4G, 433, Zigbee="zbee", Z-Wave="zw")

E - Right radio module (ULE, Zigbee="zbee", Z-Wave="zw")

F - Socket type (A, C, G)

9.0 | DECLARATION OF CONFORMITY

We, Tri plus grupa d.o.o., Croatia, 10000 Zagreb Banjavciceva 11, declare that the product ZipaTile2 is in compliance with all the technical regulations applicable to the product within the scope of Council Directives 2014/53/EU.

Sebastian Popovic, CEO

Manufacturer's Name: Tri plus grupa d.o.o.

Address: Banjavciceva 11, 10000 Zagreb, Croatia

Product name: ZipaTile2

Model number: zt2

Operating temperature: 0°C to 40°C (32°F to 104°F)

This device was tested for typical body-worn operations. To comply with RF exposure requirements, a minimum separation distance of 0mm must be maintained between the user's body and the handset, including the antenna. Third-party belt-clips, holsters, and similar accessories used by this device should not contain any metallic components. Body-worn accessories that do not meet these requirements may not comply with RF exposure requirements and should be avoided. Use only the supplied or an approved antenna. This device in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. All essential radio test suites have been carried out.

1. CAUTION: RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS
2. The product shall only be connected to a USB interface of version USB 2.0
3. Adapter shall be installed near the equipment and shall be easily accessible.
4. The plug considered as disconnect device of the adapter



RF output power: This product can be used across EU member states.

DISPOSING AND RECYCLING YOUR PRODUCT



This symbol on the product or packaging means that according to local laws and regulations needs to be disposed of separately from household waste and sent to recycling because it contains electronic components. Once this product has reached the end of its life, please take it to a collection point (recycle facilities) designated by your local authorities, some will accept your product for free or simply drop it off at your Zipato re-seller store. By recycling the product and its packaging in this manner you help to conserve the environment and protect human health. At Zipato, we understand and are committed to reducing any impact our operations and products may have on the environment. To minimize this impact Zipato designs and builds its products to be as environmentally friendly as possible, by using recyclable, low toxic materials in both products and packaging.

NOTICE

Although Zipato has attempted to ensure the accuracy of the content of this manual, it is possible that this document may contain technical inaccuracies, typographical, or other errors. Zipato assumes no liability for any error in this publication, and for damages, whether direct, indirect, incidental, and consequential or otherwise, that may result from such error, including, but not limited to loss of data or profits. Zipato provides this publication "as is" without warranty of any kind, either express or implied, including, but not limited to implied warranties of merchantability or fitness for a particular purpose. The published information in the manual is subject to change without notice. Zipato reserves the right to make changes in the product design, layout, and driver revisions without notification to its users. This version of the Installation guide supersedes all previous versions.

TRADEMARKS

Zipato and the Zipato logo are registered Trademarks. All other product names mentioned herein may be trademarks or registered trademarks of their respective companies.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna; Increase the separation between the equipment and receiver; Connect the equipment into an outlet on a circuit different from that to which the receiver is connected; Consult the dealer or an experienced radio/TV technician for help. To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated at distance greater than 20 cm from your body. Use only the supplied antenna.

10.0 | ONE (1) YEAR LIMITED PRODUCT WARRANTY

Tri plus grupa d.o.o. warrants this product (the "Product") against defects in materials and/or workmanship under normal use for a period of ONE (1) YEAR from the date of purchase by the original purchaser ("Warranty Period"). If a defect arises and a valid claim is received within the Warranty Period, then as your sole remedy (and Tri plus grupa' sole liability), Tri plus grupa will at its option either 1) repair the defect at no charge, using new or refurbished replacement parts, or 2) replace the Product with a new product that is functionally equivalent to the original, in each case within 30 days following receipt of the returned Product. A replacement product or part assumes the remaining warranty of the original Product. When a Product or part is exchanged, any replacement item becomes your property and the replaced Product or part becomes Tri plus grupa' property.

Obtaining Service: To obtain warranty service, visit <https://community.zipato.com> to open a service request. Please be prepared to describe the Product that needs service and the nature of the problem. A purchase receipt is required. The Product must be insured and shipped freight prepaid and securely packaged. You must contact support for a Return Material Authorization Number ("RMA Number") before shipping any Product, and include the RMA Number, a copy of your purchase receipt and a description of the problem you are experiencing with the Product. Any claim under this Limited Warranty must be submitted to Tri plus grupa before the end of the Warranty Period. Exclusions: This warranty does not apply to a) damage caused by failure to follow instructions relating to the Product's use or the installation of components; b) damage caused by accident, abuse, misuse, transport, neglect, fire, floods, earthquake or other external causes; c) damage caused by service performed by anyone who is not an authorized representative of Tri plus grupa; d) accessories used in conjunction with a covered Product; e) a Product or part that has been modified to alter functionality or capability; f) items intended to be periodically replaced by the purchaser during the normal life of the Product, including, without limitation, batteries, bulbs or cables; g) a Product that is used commercially or for a commercial purpose, in each case as determined by SmartThings.

EXCEPT FOR BODILY INJURY, TRI PLUS GRUPA SHALL NOT BE LIABLE FOR (I) ANY LOST PROFITS, COST OF PROCUREMENT OF SUBSTITUTE PRODUCTS, OR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, OR (II) ANY AMOUNTS IN EXCESS OF THE PURCHASE PRICE FOR THE PRODUCT, IN EACH CASE WHETHER RESULTING FROM THE USE OF OR INABILITY TO USE THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, EVEN IF COMPANY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION AND EXCLUSIONS MAY NOT APPLY TO YOU. TO THE EXTENT PERMITTED BY APPLICABLE LAW, TRI PLUS GRUPA DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF TRI PLUS GRUPA CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES, THEN TO THE EXTENT PERMITTED BY LAW, ALL SUCH WARRANTIES SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

This warranty gives you specific legal rights and you may also have other rights, which vary from country to country. To exercise your rights under this warranty, please follow the instructions above under the heading "Obtaining Service", or contact Zipato at Tri plus grupa d.o.o., Banjavciceva 11, 10000 Zagreb, Croatia.

Zipato is a registered trademark of Tri plus grupa d.o.o.

Manufacturer / Importer for Croatia:

Tri plus grupa d.o.o.

Banjavciceva 11, 10000 Zagreb
Croatia

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF Exposure guidelines, this equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

IC Caution:

- English: This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

- French: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

make your home smart

www.zipato.com