

zipato[®]

ZIPABOX2

Modular smart home server

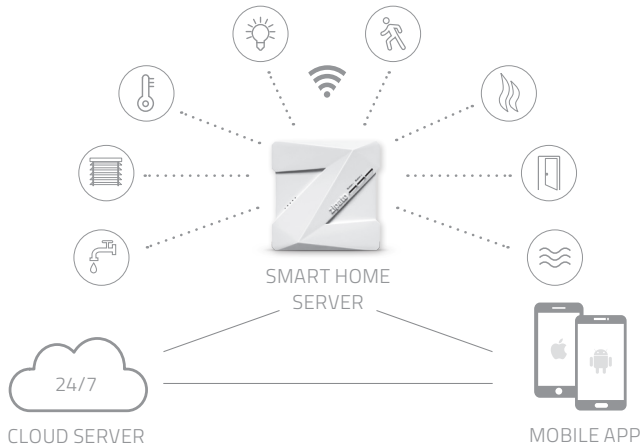


Quick-Start
Guide

v2.3

MEET YOUR ZIPABOX2

Zipato Zipabox2 lets you easily monitor, control and secure your home from anywhere in the world. The free Zipato smart home app lets you run your home from your smartphone, get important notifications about what's happening and control things in every room.



CONNECT EVERYTHING

With Zipabox2 you can connect various devices by using various communication protocols and control them from your smartphone, no matter where you are. The Zipabox2 can be expanded with Z-Wave™, ZigBee, EnOcean, and other popular home automation protocols.

ZIPABOX2 MODULES EXTENSION

zbm.zw	Zipabox - Z-Wave™ expansion module
zbm.zigbee	Zipabox - ZigBee expansion module
zbm.serial	Zipabox - Serial expansion module
zbm.security	Zipabox - Security expansion module
zbm.p1	Zipabox - P1 expansion module
zbm.knx	Zipabox - KNX expansion module
zbm.eno	Zipabox - EnOcean expansion module
zbm.868	Zipabox - 868Mhz expansion module
zbm.433	Zipabox - 433Mhz expansion module
zbm.3g	Zipabox - 3G expansion module
zbm.4g	Zipabox - 4G expansion module
zbm.power	Zipabox - Power expansion module
zbm.backupv2	Zipabox - Backup expansion module v.2



1.0. | INSTALLATION

PACKAGING CONTENT

- Power adapter 115/230 AC to 12V DC
- Ethernet cable
- Antenna* for Z-Wave™ network (*optional)

1.1. HOW TO FIND THE SERIAL NUMBER

Your serial number is located on the left side of the Zipabox2, make a note of it as it will be required when registering your server online.

1.2. CONNECT TO ETHERNET

Connect your Zipabox2 to your broadband router via Ethernet cable.

The Ethernet port is located on the top of the Zipabox2.

Zipabox2 queries your DHCP server for an IP address. If you do not have a DHCP server in your local network, after 60 seconds Zipabox2 will auto-configure itself with a link-local IPv4 address (in 169.254.0.0/16 range).

1.3. CONNECT TO WiFi

The unit can also be connected to the WiFi. To connect to the WiFi:

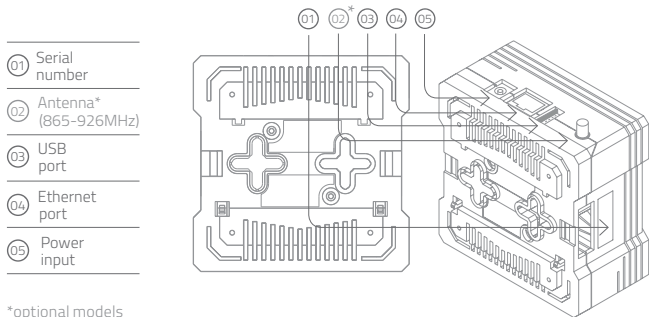
1. Make sure the unit is powered off (power it off if necessary)
2. Connect power cable
3. Hold Button 1 until all LEDs start flashing sequentially in green color

The unit is now in WiFi AP (access point) mode. Use your mobile phone or PC to connect to this AP. AP name is in this form: Zipabox2-<serial number>.

To connect the unit to your WiFi network:

- connect to the AP named Zipabox2-<serial number of Zipabox2>
- open <http://setup.zipato.com> in your browser
- select the desired AP name, input password

The unit will now try to connect to selected WiFi AP. If it succeeds connecting, LED will light up green (red means that there was a connection problem). In this case, reset the unit and try again, making sure the password is correct for the selected WiFi network. Reset the unit by holding Button 2 for 4 seconds.



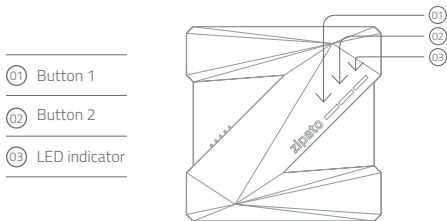
*optional models

1.2. MOUNT ANTENNA* - screw Z-Wave™ antenna to antenna connector (*if included)

1.3. POWER UP

Plug the power adaptor into mains supply wall socket and the other end into server. You should see following LED sequence:

- 01 | Steady blue light: Operating system is loading
- 02 | Blue light flashing: Zipato application is loading
- 03 | Zipabox2 getting ready or offline: slowly flashing green light
- 04 | Zipabox2 ready: steady green light when stable internet connection is established



1.4. POWER DOWN

If the unit is equipped with a battery, to turn it off completely, disconnect the power cable, then hold Button 2 for 4 seconds.

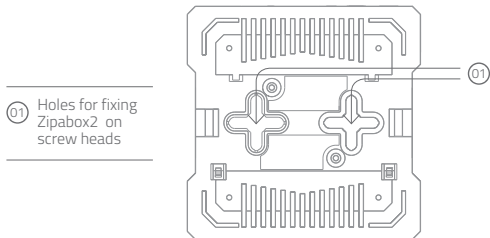
1.5. RESET

To reset Zipabox2, hold Button 2 for 4 seconds.

2.0. | MOUNTING

2.1. WALL MOUNTING

Drill holes in the wall and insert the wall plugs if fixing into plaster or brick wall. Drill two holes, fix the screws and hook the Zipabox2 onto the screw heads. Make sure swivel antenna is in vertical position.

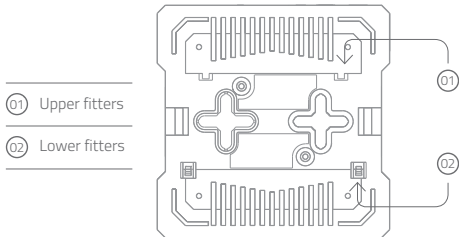


2.1. DIN RAIL MOUNTING

Make enough space for Zipabox2 on your DIN-rail. Hook upper fitters on the back of your Zipabox2 to the DIN rail and press Zipabox2 slightly to snap lower fitters.

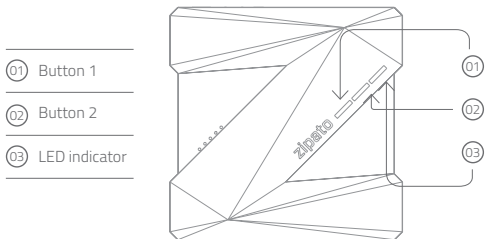
CAUTION

Please contact a certified electrician if working with mains powered electrical box.



2.3. TABLE TOP

You can place your Zipbox2 on any table top. Just make sure that swivel antenna is in vertical position (if equipped with).



3.0. | ACCOUNT CREATION AND REGISTRATION

To benefit from Zipato Smart Home services you will need to set up your Zipato account, create your Smart Home System and register your Zipabox2.

3.1. REGISTER YOUR ACCOUNT

Option A) Start with the free Zipato smart home application, click on the “Register” button and create a new account.

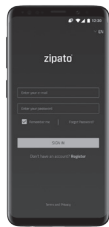
Option B) Open a browser window on your computer, go to the following URL: my3.zipato.com and register a new account.

3.2. CREATE YOUR SYSTEM

Go to System in the main menu and click “+” to create a new System.

3.3. REGISTER YOUR ZIPABOX2

Once you are logged in to your System, go to Devices and click “+” to register a new server. If you are using the mobile app while you are connected to the same IP network as your Zipabox2, you should be able to see your Zipabox2 with the status “Unregistered” in the list of servers. In this case, you can just click on it to get Register option. Otherwise just enter the serial number of your Zipabox2 manually (see 1.1. How to find the serial number).



5.0. | SPECIFICATIONS

→ SYSTEM

- ARM Cortex-A7 Quad-Core
1.3GHz CPU
- 256MB RAM
- 4GB FLASH

→ NETWORK

- Ethernet 100BASE-TX
- WiFi 802.11 bgn
- Bluetooth 4.0
- Radio module (Z-Wave™, ZigBee, EnOcean, 433 MHz, etc...)*

→ OPERATING SYSTEM

- Linux (4.1x kernel)

→ ACCESSORIES

- CAT5e UTP patch LAN Cable
- Antenna (Z-Wave™, ZigBee, EnOcean, 433 MHz, etc...)*

→ POWER

- Power input: 9-12VDC
- Internal backup battery (900mAh)
- Power supply input: 100-240VAC, 50/60Hz
- Power usage: Idle: 1.2W, Max: 2.4W

→ ENVIRONMENTAL

Temperature Range:

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

→ LEDS

- 2 programmable buttons
- 2 programmable green LEDs
- 1 programmable RGB LEDs

→ I/O

- USB 2.0 downstream port

*optional models

→ REGULATORY COMPLIANCE

- Safety: UL
- EMC: FCC, CE
- RoHS

→ PHYSICAL DIMENSION

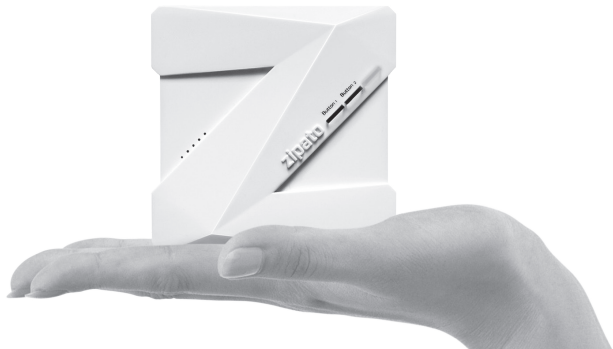
- 86 (L) x 86 (W) x 47 (H) millimeters
- 3.4 (L) x 3.4 (W) x 1.9 (H) inches

→ AUTOMATION OPTION

- Remote automation software
- Online remote control interface

→ WARRANTY

- 1 year standard



6.0. | SAFETY

Disconnect the network cable and power adapter or any other connected peripherals if any of the following conditions exist:

- The power cord or connector is damaged or frayed.
- The Zipabox2 or cables are exposed to rain, water/fluids, or excessive moisture.
- The Zipabox2 power adapter is damaged and you suspect it needs to be serviced.



Avoid installing the Zipabox2 near or inside sources of electromagnetic interference.

6.1. IMPORTANT SAFETY INSTRUCTIONS

- Read, keep and follow these instructions.
- Heed all warnings.
- Do not use this product near water or expose the product to dripping or splashing of water or liquid of any kind.
- Clean only with a dry cloth.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Only use attachments and accessories specified by the manufacturer.

7.0. | DISPOSING AND RECYCLING YOUR PRODUCT



(Waste Electrical & Electronic Equipment)

(Applicable in countries with separate collection systems)

This marking on the product, accessories or literature indicates that the product and its electronic accessories (e.g. charger, headset, USB cable) should not be disposed of with other household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product and its electronic accessories should not be mixed with other commercial wastes for disposal. (Applicable in countries with separate collection systems)

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.

Disclaimer

Some content and services accessible through this device belong to third parties and are protected by copyright, patent, trademark and/or other intellectual property laws. Such content and services are provided solely for your personal non-commercial use. You may not use any content or services in a manner that has not been authorised by the content owner or service provider.

Without limiting the foregoing, unless expressly authorised by the applicable content owner or service provider, you may not modify, copy, republish, upload, post, transmit, translate, sell, create derivative works, exploit, or distribute in any manner or medium any content or services displayed through this device.

8.0. | ONE (1) YEAR LIMITED 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

9.0. | DECLARATION OF CONFORMITY



Access latest certification here: <https://www.zipato.com/docs#>

We, Tri plus grupa d.o.o., Croatia, 10000 Zagreb Banjavciceva 11, declare that the product Zipabox2, 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: Zipabox2

Operating Temperature: -10° C to 35° C

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 adapter.
5. The device complies with RF specifications when the device used at 0mm from

your body.

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

Function	Operation Frequency	Max RF outputpower	Limit
BLE	2402 ~ 2480 MHz	2.44 dBm	20 dBm
BT (BR+EDR)	2402 ~ 2480 MHz	3.45 dBm	20 dBm
WiFi 802.11B/G/N 802.11b/g/n (20MHz); (HT20,HT40) 2.4G 802.11n (40MHz);	2412 ~ 2472 MHz;	13.45 dBm	20 dBm
WiFi 802.11A/AC	5180 ~ 5825 MHz	11.23 dBm	20 dBm

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 at distance greater than 20 cm from your body. Use only the supplied antenna.

FCC ID: 2AAU7-ZB2ZWUS

IC: 11391A-ZB2ZWUS

IC

IC Caution

RSS-Gen Issue 5 April 2018”&”CNR-Gen 5e April 2018:

- 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; (2) 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