# ZIPABOX
# ZIGBEE MODULE

QUICK INSTALLATION GUIDE
**v1.1**

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### ELECTROMAGNETIC COMPATIBILITY
In proper state and when operated properly, the product complies with all the requirements in respect of interference radiation according to EN 301 489-17, EN 301 489-1 and EN 300 328. The connections conducting HF signals must neither be manipulated nor damaged.

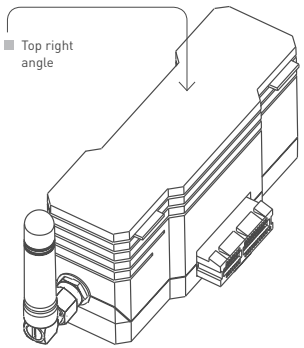
### TAKE CARE OF YOUR SAFETY
Display extreme caution when using ladders or steps, please follow manufacturer's instructions. Be careful when using hand and power tools and follow the manufacturer's guidelines when using them. Take care that the correct tools are used. Wear goggles or protective clothing where required.

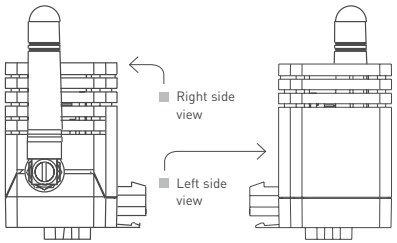
### DANGER
**RISK OF ELECTROCUTION**
All work on the device should only be carried out by trained and skilled electricians. Observe the country-specific regulations.

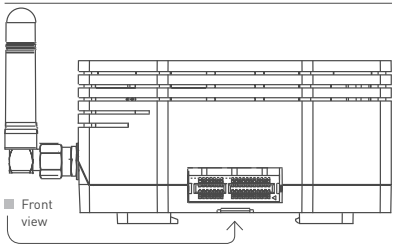
### CAUTION
The connected devices and the flush-mounted receiver can become damaged if devices are operated that do not correspond to the technical specifications (see technical data).

### DANGER
**RISK OF FATAL INJURY FROM ELECTRIC CURRENT.**
The device has no basic insulation and must therefore be installed in a way that protects against accidental contact.

### DANGER
**RISK OF FATAL INJURY FROM ELECTRIC CURRENT.**
When installing a wall plate, the distance between the cover's fixing brackets or screws and the connections of the flush - mounted MicroModule Switch Single must be at least 4 mm once installed. If the distance is less than 4 mm, a deeper installation box must be used. The fixing brackets or screws of the cover must not press against the housing. Only insulated tools may be used for operation on the device, e.g. an insulated phase tester.




## INTRODUCTION

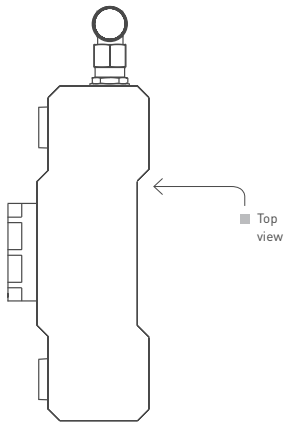
### COMPATIBILITY
This Expansion Module is designed to work only with Zipabox.

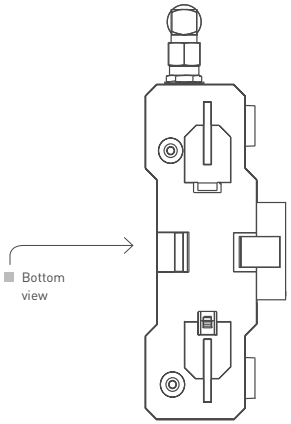
### HANDLING
Do not drop, knock or shake the module. Rough handling can break internal circuit boards and connectors.

### ENVIRONMENT
Do not expose the module to excessive heat or cold, as it can damage or shorten the life of electronic circuit boards.

ZigBee

If possible, dispose this module at a recycling center.
Do not dispose of this module with the household waste.




## TECHNICAL MANUALS

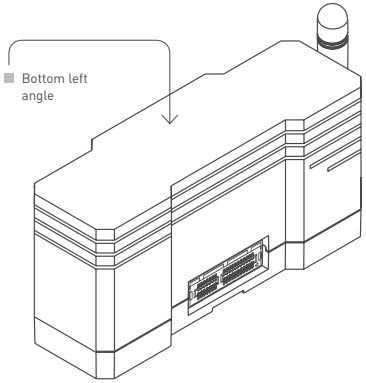
### TECHNICAL DETAILS

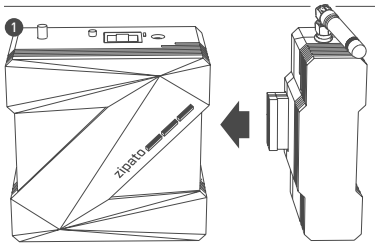
| | |
|---|---|
| POWER SUPPLY | Fom Zipabox |
| OPERATING TEMPERATURE | -10° ~ +40° C |
| OPERATING HUMIDITY | 5 ~ 95% RH |
| DIMENSIONS | 29 x 87 x 46 mm (without antenna) |
| WEIGHT | 62g (with antenna) |
| COMMUNICATION PROTOCOL | ZigBee |
| COMMUNICATION RANGE | Up to 30m indoor or 70m outdoor |

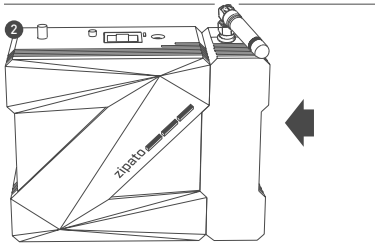
### UNPACKING
Zipabox ZigBee Module consists of:
- 1x Expansion Module
- 1x 2.4 GHz antenna

**PLEASE NOTE:** Connect antenna by screwing it clockwise to the connector on the module

### CONNECTING DEVICE
**1 |** Disconnect Zipabox from power




**2 |** Align connector of ZigBee Module to expansion Slot 2 of Zipabox (or to module connected into Slot 2)
**3 |** Join module and Zipabox together until gap between them is completely closed.

### INSTALLATION/MOUNTING
Mount together with Zipabox.

### INTERFERENCE
All wireless devices are subject to interference, which could affect device performance.

### REPARING
Do not attempt to repair this product.
There are no user-serviceable parts inside.

### WATER-RESISTANCE
This product is not water-resistant. Keep it dry.
Moisture will corrode the inner electronics.

### CLEANING
Use a dry cloth to clean this product. Do not use harsh chemicals, cleaning solvents or strong detergents.

## MODELS AND FREQUENCIES

### MODELS

| | |
|---|---|
| EUROPEAN UNION - EU version | zbmzigbee.eu |
| UNITED STATES - US version | zbmzigbee.us |
| RUSSIA - RU version | zbmzigbee.ru |
| ISRAEL - IS version | zbmzigbee.is |
| AUSTRALIA - AU version | zbmzigbee.au |
| INDIA - IN version | zbmzigbee.in |

### FREQUENCIES

| | |
|---|---|
| EUROPEAN UNION - EU | 868.42 MHz |
| UNITED STATES - US | 908.42MHz |
| RUSSIA - RU | 869.02MHz |
| ISRAEL - IS | 916.02MHz |
| AUSTRALIA - AU | 921.42MHz |
| INDIA - IN | 865.20MHz |

## LIMITED PRODUCT WARRANTY

### GENERAL TERMS

Nothing in this Limited Product Warranty affects your statutory rights as a consumer.

The Limited Product Warranty set forth below is given by Tri plus grupa d.o.o. (Europe) (herein referred to as "ZIPATO"). This Limited Product Warranty is only effective upon presentation of the proof of purchase. Upon further request by ZIPATO, this warranty card has to be presented, too.

EXCEPT AS EXPRESSLY SET FORTH IN THIS LIMITED WARRANTY, ZIPATO MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. ZIPATO EXPRESSLY DISCLAIMS ALL WARRANTIES NOT STATED IN THIS LIMITED WARRANTY. ANY IMPLIED WARRANTIES THAT MAY BE IMPOSED BY LAW ARE LIMITED IN DURATION TO THE LIMITED WARRANTY PERIOD. TO THE EXTENT ALLOWED BY LOCAL LAW, THE REMEDIES IN THIS WARRANTY STATEMENT ARE CUSTOMER'S SOLE AND EXCLUSIVE REMEDIES AGAINST ZIPATO. THEY DO NOT, HOWEVER, AFFECT OR RESTRICT THE RIGHTS YOU HAVE AGAINST THE BUSINESS YOU BOUGHT A ZIPATO PRODUCT FROM. IN NO EVENT WILL ZIPATO BE LIABLE FOR LOSS OF DATA OR FOR INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL (INCLUDING LOST PROFIT OR DATA), OR OTHER DAMAGE, WHETHER BASED IN CONTRACT, TORT, OR OTHERWISE. HOWEVER, NOTHING IN THIS AGREEMENT LIMITS ZIPATO'S LIABILITY TO YOU (I) IN THE EVENT OF DEATH OR PERSONAL INJURY TO THE EXTENT RESULTING FROM ZIPATO'S NEGLIGENCE, OR (II) TO THE EXTENT RESULTING FROM ANY FRAUDULENT MISREPRESENTATION ON THE PART OF ZIPATO, OR (III) TO THE EXTENT ARISING UNDER PART 1 OF THE CONSUMER PROTECTION ACT 1987 OF THE UNITED KINGDOM. SOME STATES OR COUNTRIES DO NOT ALLOW: (1) A DISCLAIMER OF IMPLIED WARRANTIES; (2) A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION; OR (3) LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR CONSUMER PRODUCTS. IN SUCH STATES OR COUNTRIES, SOME EXCLUSIONS OR LIMITATIONS OF THIS LIMITED WARRANTY MAY NOT APPLY TO YOU. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS THAT MAY VARY FROM STATE TO STATE OR FROM COUNTRY TO COUNTRY. YOU ARE ADVISED TO CONSULT APPLICABLE STATE OR COUNTRY LAWS FOR A FULL DETERMINATION OF YOUR RIGHTS.

This Limited Product Warranty applies to ZIPATO branded hardware products (collectively referred to as "ZIPATO Hardware Products") sold by ZIPATO (Europe), its European subsidiaries, affiliates, authorized resellers, or country distributors (collectively referred to as "ZIPATO Resellers") with this Limited Product Warranty.

The term "ZIPATO Hardware Product" is limited to the hardware components and all its internal components including firmware. The term "ZIPATO Hardware Product" DOES NOT include any software applications or programs.

### GEOGRAPHICAL SCOPE OF THE LIMITED PRODUCT WARRANTY

This Limited Product Warranty is applicable to Hardware Products sold by Zipato Resellers in all countries listed at the beginning of this document under the heading "Countries in which this ZIPATO Limited Product Warranty applies". The Limited Product Warranty will be honored in any country where ZIPATO or its authorized service providers offer warranty service subject to the terms and conditions set forth in this Limited Product Warranty. However, warranty service availability and response times may vary from country to country and may also be subject to registration requirements.

### LIMITATION OF PRODUCT WARRANTY

ZIPATO warrants that the products described below under normal use are free from material defects in materials and workmanship during the Limited Product Warranty Period set forth below ("Limited Product Warranty Period"), if the product is used and serviced in accordance with the user manual and other documentation provided to the purchaser at the time of purchase (or as amended from time to time).

ZIPATO does not warrant that the products will operate uninterrupted or error-free or that all deficiencies, errors, defects or non-conformities will be corrected.

This warranty shall not apply to problems resulting from: (a) unauthorized alterations or attachments; (b) negligence, abuse or misuse, including failure to operate the product in accordance with specifications or interface requirements; (c) improper handling; (d) failure of goods or services not obtained from ZIPATO or not subject to a then-effective ZIPATO warranty or maintenance agreement; (e) improper use or storage; or (f) fire, water, acts of God or other catastrophic events. This warranty shall also not apply to any particular product if any ZIPATO serial number has been removed or defaced in any way.

ZIPATO IS NOT RESPONSIBLE FOR DAMAGE THAT OCCURS AS A RESULT OF YOUR FAILURE TO FOLLOW THE INSTRUCTIONS FOR THE ZIPATO HARDWARE PRODUCT.

### LIMITED PRODUCT WARRANTY PERIOD

The Limited Product Warranty Period starts on the date of purchase from ZIPATO. Your dated sales or delivery receipt, showing the date of purchase of the product, is your proof of the purchase date. You may be required to provide proof of purchase as a condition of receiving warranty service. You are entitled to warranty service according to the terms and conditions of this document if a repair to your ZIPATO branded hardware is required within the Limited Product Warranty Period.
(Other than in respect of products for domestic use (in particular those listed in the first and last boxes in the table below), this Limited Product Warranty extends only to the original end user purchaser of this ZIPATO Hardware Product and is not transferable to anyone who obtains ownership of the ZIPATO Hardware Product from the original end-user purchaser.

### PRODUCT WARRANTY PERIOD TABLE

| | |
|---|---|
| PRODUCT TYPE | Zipabox Zigbee module |
| PRODUCT WARRANTY PERIOD | One (1) year |

**IMPORTANT**
The content of "Product Type" listed above is subject to change; please refer to the **www.zipato.com** for latest update.

### PERFORMANCE OF THE LIMITED PRODUCT WARRANTY

If a product defect occurs, ZIPATO's sole obligation shall be to repair or replace any defective Zipato Hardware Product free of charge provided it is returned to an Authorized ZIPATO Service Centre during the Limited Warranty Period.

Such repair or replacement will be rendered by ZIPATO at an Authorized ZIPATO Service Centre. All component parts or hardware products that are replaced under this Limited Product Warranty become the property of ZIPATO. The replacement part or product takes on the remaining Limited Warranty Period of the replaced part or product. The replacement product need not be new or of an identical make, model or part; ZIPATO may in its discretion replace the defective product (or any part thereof) with any reconditioned equivalent (or superior) product in all material respects to the defective product.

**WARRANTOR**
Tri plus grupa d.o.o.
Banjavciceva 11
10 000 Zagreb
CROATIA

**TEL** +385 (0)1 4004 404
**FAX** +385 (0)1 4004 405

## DECLARATION OF CONFORMITY

The Manufacturer Tri plus grupa d.o.o. hereby declares that the product:
Zipabox ZigBee Module (zbmzigbee)

CE

In accordance with the following Directive(s): 2004/108/EC The Low Voltage Directive, 2006/95/EC R&TTE Directive (1999/5/EC) is in conformity with the applicable requirements of the following documents:

EN 60950-1:2007+A11:2009+A12:2011
EN 301 489-17 V2.1.1:2010
EN 301 489-3 V1..4.1:2003
EN 301 489-1 V1.8.1:2008
EN 300 328 V1.7.1:2008
EN 50130-4:1977+A1:2000+A2:2004
EN 300 220-1 V2.1.1:2006
EN 300 220-2 V2.1.2:2008

I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above referenced specifications. The unit complies with all applicable Essential Requirements of the Directives.

Person responsible for this declaration:
Dean Janacek, Certification Manager
12.09.2013

Changes or modifications not expressly approved Tri plus grupa d.o.o. for compliance could void the user's authority to operate the equipment.

FC

**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.

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.

**NOTE: Changes or modifications not expressly approved by Zipato for compliance could void the user's authority to operate the equipment.** 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.

### 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 facilites) 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.

### TECHNICAL SUPPORT

**Having trouble installing your new product?**

Zipato's website contains the latest user documentation and software updates for Zipato products and services.

**www.zipato.com**

### CONTACT SUPPORT

EMAIL: support@zipato.com
(Mon-Fri) 9.00am-05.00pm (CET)

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