



## NETBOX WIFI Installation Manual

v22.06 [EN]

### Technical Support Service

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The installation should be carried out by authorised personnel only. Perform the entire installation without supply voltage. Protect the unit with the usual devices.



# ZONiNG

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## A. Description

The NetBox device allows the ZONING system to connect with a WI-FI net and control the multi-zone system through an user friendly remote APP.

1. Control LED's
  - Power supply
  - BT: Bluetooth
  - SERVER: NetBox - Internet communication
  - ACT485: NetBox - ZITY communication
2. Pairing button
3. Power supply 12Vdc
4. Communication port RS485/REM to ZITY



## B. Incompatibilities

The NetBox communication interface, is compatible with the following control panels & thermostats:

- ZITY-RC V7 or higher (V7/8 just unidirectional control)
- ZITY-W V7 or higher.
- ZOE-RC a V05 or higher (just unidirectional control)
- ZEBRA
- ZEUS-RC V3 (unidirectional & bidirectional control)

The features allowed by the Netbox device correspond to the ones allowed in the installed control panels.

The minimum requirements for the APP are :

- Android V4.4. or higher
- iOS 9.0 or higher.

**C. Before starting:**

Before doing the start-up process, please ensure the availability of:

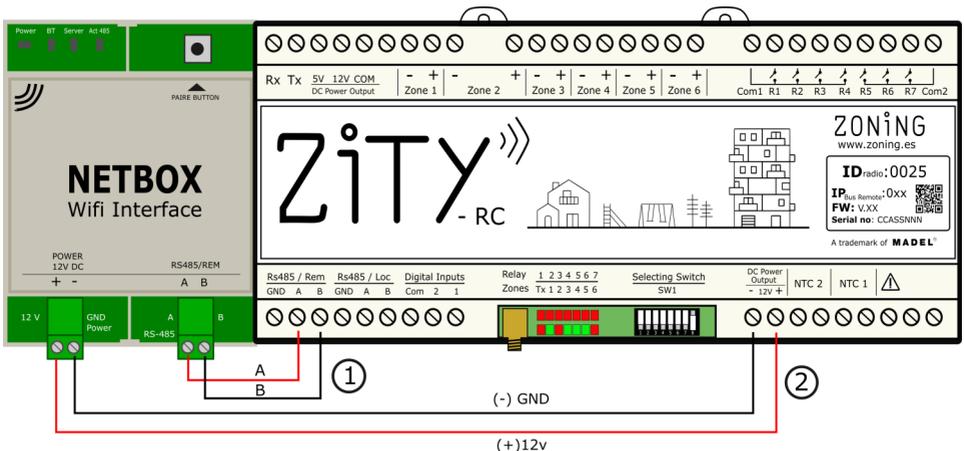
- **Internet access** : the internet connection is required by the Netbox during the start-up and the normal function for the device.
- **Activate Bluetooth & GPS:** Just during the registration process, the Bluetooth and the Location need to be activated.
- **Mobile device with internet & Wi-Fi** . An Smartphone or Tablet with internet and WIFI is required to use the Netbox device <sup>(1)</sup> .

<sup>1</sup> The related cost of the internet connection are not included in the Netbox device.

**D. Start-up.**

Before start using the Netbox is necessary to wire all the system and create the user account. Follow the instructions below to complete the process.

- **Wiring diagram:** 4 wires should be connected, 2 for the power supply and 2 for the communication. Respect the polarity in both cases.
  1. Connect the communication bus(Rs485) from the Netbox to the remote bus of the ZITY (Shielded cable 2x0.5mm<sup>2</sup>)
  2. Connect the power supply (12Vdc) in the DC Power Output of the ZITY control panel (2). (Recommended cable 2x0.5mm<sup>2</sup>)



- **Create account and APP installation:** First of all, the APP should be installed and create a user account to grant access at the cloud service.

1. Download APP **Zoning 2.0**, at **Playstore** or **Appstore**



Zoning 2.0

2. Access to the APP and create an account

A. Register mail/password and press Create

An e-mail will be sent to confirm the account<sup>(1)</sup>



B. Once the account is created, introduce the mail & password and press “Enter” to access to the APP.

C. Press “I Forgot the password” in case you forgot it. Follow this steps<sup>(1)</sup>



D. Press “Demo” if you want to feel the experience of how the system works. This will simulate a “fake” installation. It is not necessary to have nor user neither Netbox.



(1) In the case of not receiving the confirmation e-mail, check the JUNK box and if the e-mail address is correct. Otherwise re-submit the request.

**E. Add installation:** Once created the user, it should be linked with the installation to control:

**1. Add installation**

Enter the name of the installation and press "Apply"



**2. Link NetBox**

Press over the created installation and press "link NetBox". Select "Normal" type of installation.



**3. Find NetBox**

Activate the Bluetooth and the location in the mobile device. Press the Pairing button for 1 s. The ACT485 Led start flashing.



In the case that this warning comes out, please allow permission to the APP.



**4. Link Netbox**

Press over the detected Netbox. The number of systems (ZITY) and zones, should match with the ones installed. The BT led turns on, and the ACT485 continue to flash.



**5. Setup Wi-Fi**

Select the WIFI where the Netbox is to be connected (Band 2.4 GHz), and fill with the WIFI password. Press "Apply". The BT led will turn off, and the other Leds (SERVER and ACT485) will flash.



From that moment on, we can start enjoying the APP to control our zoning system.



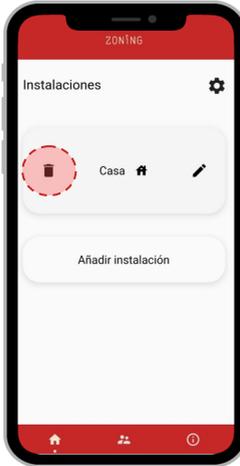
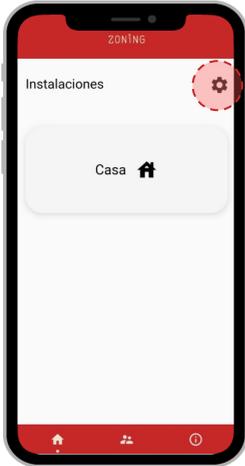
## E. Delete installation or existing systems

### 1. Delete installation

Press the "Setting" button in the installation screen

Press the "Bin" button of the installation we want to delete.

Press "yes". The installation will be removed from the active user.



### 1. Delete system

Press the "Setting" button in the system screen

Press the "Bin" button of the system we want to delete.

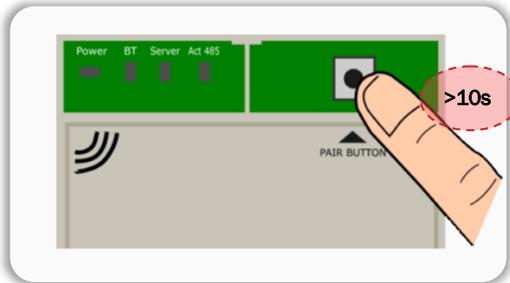
Press "yes". The system will be removed from the active user.



The Netbox will remain as default from the factory, if all the systems or installations are deleted.

- F. Resetting the NetBox** in case of changing the WIFI net, or removing from the installation, the Netbox can be reseted.

Press to “Pairing button” for 10 s. The Led’s SERVER, ACT785 will turn off and just the Power led will remain turned on.



## G. Most common errors

### 1. The POWER LED is turned off

- Check the wiring cable (12Vdc, +/-) from the ZITY to the NetBox.

### 2. The ACT485 led is turned off

- There is no communication between the NetBox and the ZITY control panel. Check the wiring and polarity of the communication wire (RS485/Rem) from the ZITY to the Netbox.

### 3. SERVER Led flashing

- There is no communication with the server. Reset the power supply of the device and check that the WIFI is working properly.

### 4. APP doesn't recognize the user or the password

- Check that the e-mail address is correct.
- Check the password, and in case is continues not working, press “I forgot the password” and follow the instructions.

### 5. Any zoning system is detected when scanning with the APP

- Check the wiring and polarity of the (RS485/Rem) wire from ZITY to the NetBox.

## H. Technical characteristics

MADEL ATD hereby declares that NetBox complies with the essential requirements and any other applicable or enforceable provisions of ElectroMagnetic Compatibility (EMC) standard for radio equipment and services EN 301-489-17 - V3.2.3.

### NetBox

- Power supply 12 Vdc. (recommended wire S=2x0.5mm2)
- Consumption: 0.1A
- Bus RS485/Rem: Modbus protocol RTU 9600/8/N/1
- Dimensions (mm): 90 x 90 x 25
- Weight: 0.15kg

## WARRANTY

**MADEL ATD** guarantees all its products against production defects for a period of two (2) years. This period will start from the date of delivery of the goods to the DISTRIBUTOR. The warranty will only cover replacement of defective products, not including labour, travel, replacement of other damaged products, etc., or any other disbursement, expenses or consequential damages. The warranty will not cover the damage incurred in the products due to incorrect installation, handling or storage in poor conditions.

The procedure to follow in the case of return of the Madel ZONING system under warranty is as follows: If there is any problem, you should contact MADEL technical support service (902.550.290) who will try to solve any problems and answer any questions about the installation. It is important to call from the place where the equipment is installed in order to carry out the necessary tests to diagnose the equipment. If any anomaly is detected, returning the equipment for factory inspection will be authorised. Our technical support will provide a written authorisation for the return of the equipment under warranty. This authorisation can only be completed by Madel technical staff and should be affixed to the equipment. It will also serve for monitoring its return, which should be made through your usual distributor.

All returned equipment must be in perfect conditions of use and must have all the initial additional components, such as sensors, antenna, etc.



### WEE (RAEE)

No desechar los Aparatos Eléctricos y Electrónicos, como desechos urbanos. Estos aparatos deben ser retirados para poder ser reciclados. Actuar según la legislación en vigor.