

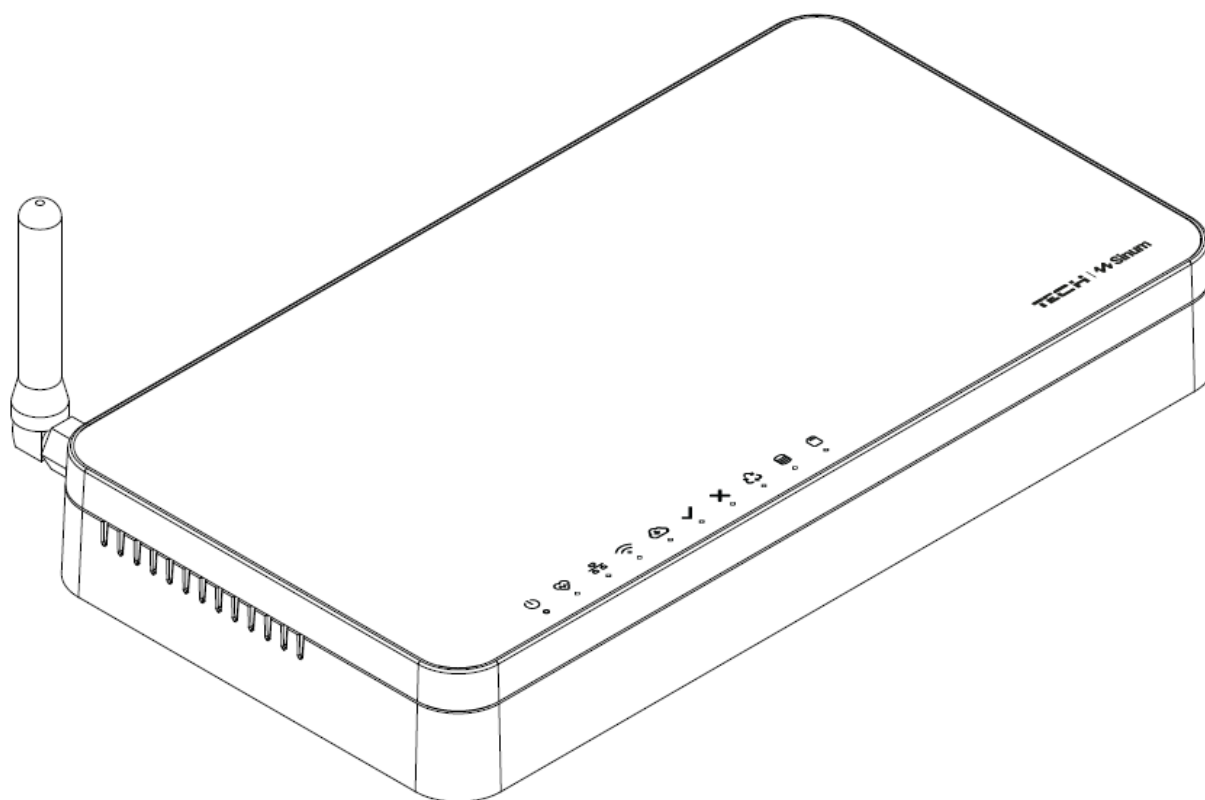
# TECH Sinum EH-01 Central Sinum Installation Guide

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**TECH Sinum EH-01 Central Sinum**

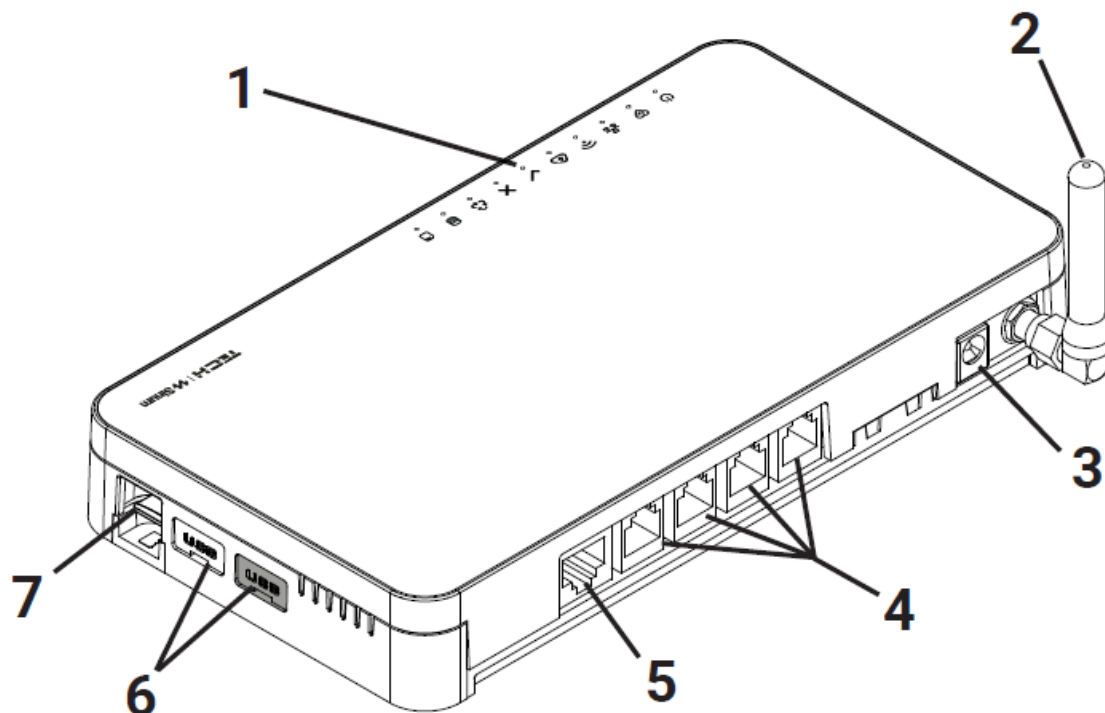


## INSTALLATION GUIDE

MODEL: EH-01

### OVERVIEW

- 1 – control lights
- 2 – Wifi antenna
- 3 – AC adapter input
- 4 – RJ-12 port
- 5 – RJ-45 port
- 6 – USB 2.0
- 7 – MicroSD card




## Description of control lights

	- power supply ON		- normal device operation
	- device operation		- service error
	- active LAN connection		- recovery mode - emergency operation
	- active WiFi connection		- internal memory operation
	- active access to the Cloud service		- memory card operation

## Installation

1. Connect the power supply included in the set to the power socket in the Sinum central device.
2. Connect the Ethernet (network) cable and plug it into your home router.

3. Correct start-up is indicated by a lit control light  after about 2,5 minute

## Configuration – using an ethernet cable


1. Connect the Sinum Central with the ethernet cable to a network device (router, switch)
2. To configure the Sinum central device, download the **Sinum** mobile application from the Google Play Store / App Store or scan one of the QR codes at the bottom of the page. In the application, on the **Add the first central device screen**, click the „Add the Cloud central device” button and then click „**The central device is already connected** to the local network”.
3. A tile with a central named „sinum” will appear on the screen, marked in green with the information „**New**”. Click on the tile and go to the user registration process.


## Configuration – via WiFi

1. To configure the Sinum central device, download the Sinum mobile application from the Google Play Store / App

Store or scan one of the QR codes at the bottom of the page. In the application, on the Add the first central device screen, click the „Add the Cloud central device” button and after reading the information on the phone, click „Next”.

2. Start the Access Point mode by removing the upper part of the casing (fig.1) and clicking the MODE button on

the back of the device once (fig.2). After about 5 seconds from clicking, the  WiFi connection control light

 will start flashing steadily. If the mode does not start, click again or restart the device after several unsuccessful attempts. In AccessPoint mode, the central broadcasts its WiFi network.

3. Activate WiFi on your mobile device.

4. Connect to the wireless network named "ap\_sinum" or scan the QR code that will connect you to the network or take you to a list of available networks – select "ap\_sinum" and connect to it (in Android, you must confirm the required authorization).

5. After connecting, a list of available WiFi networks will appear, which is downloaded once when the AccessPoint mode is started in central device. To refresh the list of networks, restart the device in AccessPoint mode.

6. Select a network, click connect and enter its password.



7. Switch phone to the same WiFi network which your Sinum central device is connected to. Return to the application, where you will see a message that the central device is connected to the network. If the message does not appear, click the button „The central device is already connected to the local network”.

8. Click „Next” to start scanning the central devices. A tile with a central named „sinum” will appear on the screen, marked in green with the information „New”. Click on the tile, which will connect you to the central device and go to the user registration process.

App  
Sinum :

Google Play



App Store



## First step

1. After creating an account, you will be able to log in to the Central via Cloud access and local access using the

same login and password.

2. Log in to your account, go to Settings and update the software to the latest version. The update can also be performed by connecting a Pendrive with the appropriate file to the USB port.

## Recovery mode

1. To start Recovery mode, remove the upper part of the casing (fig.1), press and hold the button on the back of the device (fig.2). Then, disconnect and reconnect the power supply by holding the button for 5 seconds.



2. Active Recovery mode is indicated by the recovery mode control light which goes steady on.

3. Launch your web browser\* and go to <https://www.techsterowniki.pl/sinum-2/sinumfind> or download the Sinum application on your phone to search for your Sinum central device.

4. Connect to the Sinum central device called „sinum-r”.

5. The Recovery mode allows, among other things, to restore the factory settings or return to the previous version of the software by changing the system partition.

## Cloud service

1. If you have set up your account via the mobile app in the previous steps, skip this section. However, if you have not set up your account via the mobile app, you can alternatively set up your Cloud account using a browser, e.g. on your computer.

2. To use remote access to the Sinum central device and devices cooperating with it, you must register in the Cloud service at

<https://sinum.tech> Follow the instructions on the screen.

3. Activate the Cloud account by clicking on the link sent to your e-mail.

4. Go to the Sinum central device Settings > Profile. Find the Cloud account section and click Connect.

5. Log in to your Cloud account. A message will be sent to you, asking you to add your Sinum central device to Cloud. Create a name and optionally a description.

6. To take full advantage of the device capabilities, log in by entering your Sinum central device address in the browser

**\* recommended browsers are Chrome/Firefox/Safari**

## Technical specification

Power supply	9-30V DC typ.24V DC
Inputs	2x USB2.0, Micro SD 2x RS-485 (no.1 – SBUS; no.2 – Modbus) 1x RJ-45 Ethernet 4x RJ-12 RS Tech DC 5.5/2.5mm
Max. power consumption	6W
Operation temperature	5 ÷ 50°C
Acceptable ambient relative humidity	<80%REL.H
Operation frequency	868MHz
Max. transmission power	25 mW
Transmission IEEE 802.11 b/g/n	

fig.1

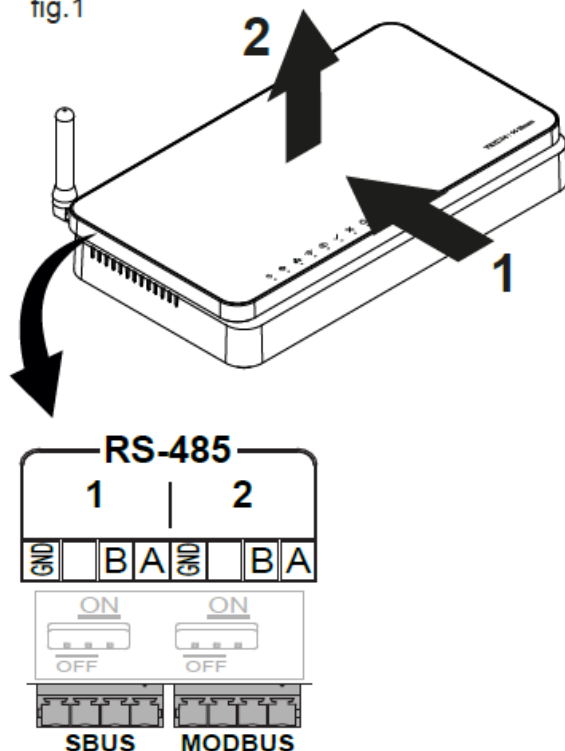
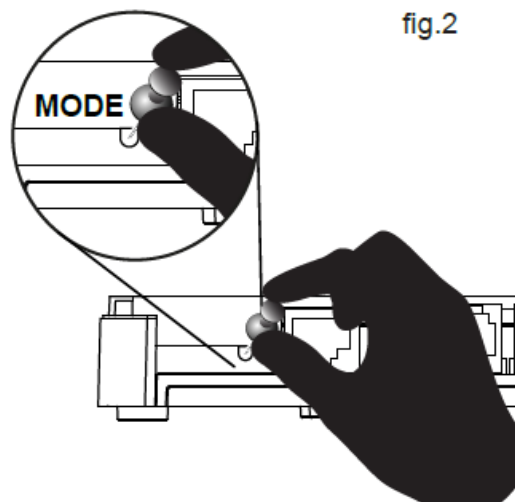


fig.2



## Note

TECH Controllers is not responsible for any damages resulting from improper use of the system. The range depends on the conditions in which the device is used and the structure and materials used in the object construction. The manufacturer reserves the right to improve devices, update software and related documentation. The graphics are provided for illustration purposes only and may differ slightly from the actual look. The diagrams serve as examples. All changes are updated on an ongoing basis on the manufacturer's website. Before using the device for the first time, read the following regulations carefully. Not obeying these instructions may lead to personal injuries or controller damage. The device should be installed by a qualified person. It is not intended to be operated by children. It is a live electrical device. Make sure the device is disconnected from the mains before performing any activities involving the power supply (plugging cables, installing the device etc.). The device is not water resistant.

The product may not be disposed of to household waste containers. The user is obliged to transfer their used equipment to a collection point where all electric and electronic components will be recycled.



## EU Declaration of conformity

Tech Sterowniki II Sp. z o.o. , ul. Biała Droga 34, Wieprz (34-122)

Hereby, we declare under our sole responsibility that the Central device EH-01 is compliant with Directive 2014/53/EU.

The full text of the EU declaration of conformity and the user manual are available after scanning the QR code or at [www.tech-controllers.com/manuals](http://www.tech-controllers.com/manuals)

## Specifications:

- Power Supply: 9-30V DC, typical 24V DC
- Interfaces: 2x USB 2.0, Micro SD slot, 2x RS-485 (no.1 – SBUS; no.2 – Modbus), RJ-45 Ethernet, 4x RJ-12, DC 5.5/2.5mm
- Operating Humidity: Acceptable relative humidity
- Operating Frequency: Standard operating frequency
- Maximum Transmit Power: 6W
- Wireless Transmission: IEEE 802.11 b/g/n

## CONTACT US

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support.sinum@techsterowniki.pl

[www.tech-controllers.com](http://www.tech-controllers.com)

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## FAQ:

**Q: How do I reset the device to factory settings?**

A: To reset the device to factory settings, follow these steps:

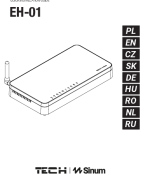
1. ...
2. ...
3. ...

**Q: What should I do if the indicator lights show an error?**

A: If the indicator lights display an error, try the following steps:

1. ...
2. ...
3. ...

## Documents / Resources

 <p>EH-01</p> <p>PL EN CZ DE HU RU NL</p> <p>TECH Sinum</p>	<p><a href="#">TECH Sinum EH-01 Central Sinum</a> [pdf] Installation Guide EH-01 Central Sinum, EH-01, Central Sinum, Sinum</p>
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## References

-  [controllers.com](https://www.tech-controllers.com)
-  [Intelligens fűtés-hűtés, fűtési-hűtési megoldások - TECH vezérlők gyártója | TECH vezérlők](#)
-  [Intelligent heating, smart heating solutions - manufacturer of controllers | TECH Controllers](#)
-  [Manuals - TECH Controllers](#)
-  [TECH Controllers - Teplo ve Vašem domě](#)
-  [Tech Controllers](#)
-  [TECH Controllers - Teplo vo Vašom dome](#)
-  [Sinum Cloud](#)
- [User Manual](#)

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