

Satel® Smart HUB Plus Be Wave System Controller



satel Smart HUB Plus Be Wave System Controller Installation Guide

[Home](#) » [Satel](#) » satel Smart HUB Plus Be Wave System Controller Installation Guide 

Contents

- 1 [satel Smart HUB Plus Be Wave System Controller](#)
- 2 [Product Information](#)
- 3 [Product Usage Instructions](#)
- 4 [Inside of the controller](#)
- 5 [Installation](#)
- 6 [Replacing the rechargeable battery](#)
- 7 [Documents / Resources](#)
 - 7.1 [References](#)
- 8 [Related Posts](#)



satel Smart HUB Plus Be Wave System Controller



Product Information

Specifications:

- **Product Name:** Smart HUB Plus / Smart HUB
- **Manufacturer:** SATEL
- **Battery:** Lithium-ion rechargeable battery (3.6 V / 3200 mAh)
- **Memory Card:** SD memory card (factory-installed)

Product Usage Instructions

Installation:

1. Do not touch the power cable plug with wet hands. When disconnecting the power cable, pull the plug instead of the cable.
2. If smoke is emitted from the device, disconnect the power cable from the socket.
3. Only use the recommended battery for the device to avoid explosion risks.
4. Do not crush, cut, or expose the battery to high temperatures.
5. Avoid exposing the battery to very low pressure to prevent leakage or explosion risks.
6. Securely mount the controller to a wall if it needs to meet EN 50131 Grade 2 standards.
7. For tabletop placement, apply anti-slip pads included in the package on the bottom of the controller.
8. Drill holes in the wall for mounting plugs suitable for different surfaces.
9. Connect the LAN cable to the LAN socket using a standard 100Base-TX cable with an RJ-45 connector.
10. Connect the power cable to the controller and secure it with the mounting element.
11. Remove the battery insulator strip to power on the controller (LED indicator will start flashing).
12. Close and lock the controller casing using screws.
13. Connect the power cable to an electrical outlet.

Configuration:

1. Download and install the Be Wave application from Google Play (for Android) or App Store (for iOS).
2. Open the Be Wave application to configure controller settings and add BE WAVE devices.

FAQ:

• How can I replace the battery?



To replace the battery, follow these steps:

- Open the controller casing by removing the screws.
- Locate the lithium-ion rechargeable battery inside.
- Disconnect the old battery and connect a new one of the same specifications.
- Close and lock the controller casing securely.

Scan the QR code to go to our website and download the full manual of the BE WAVE system controller.

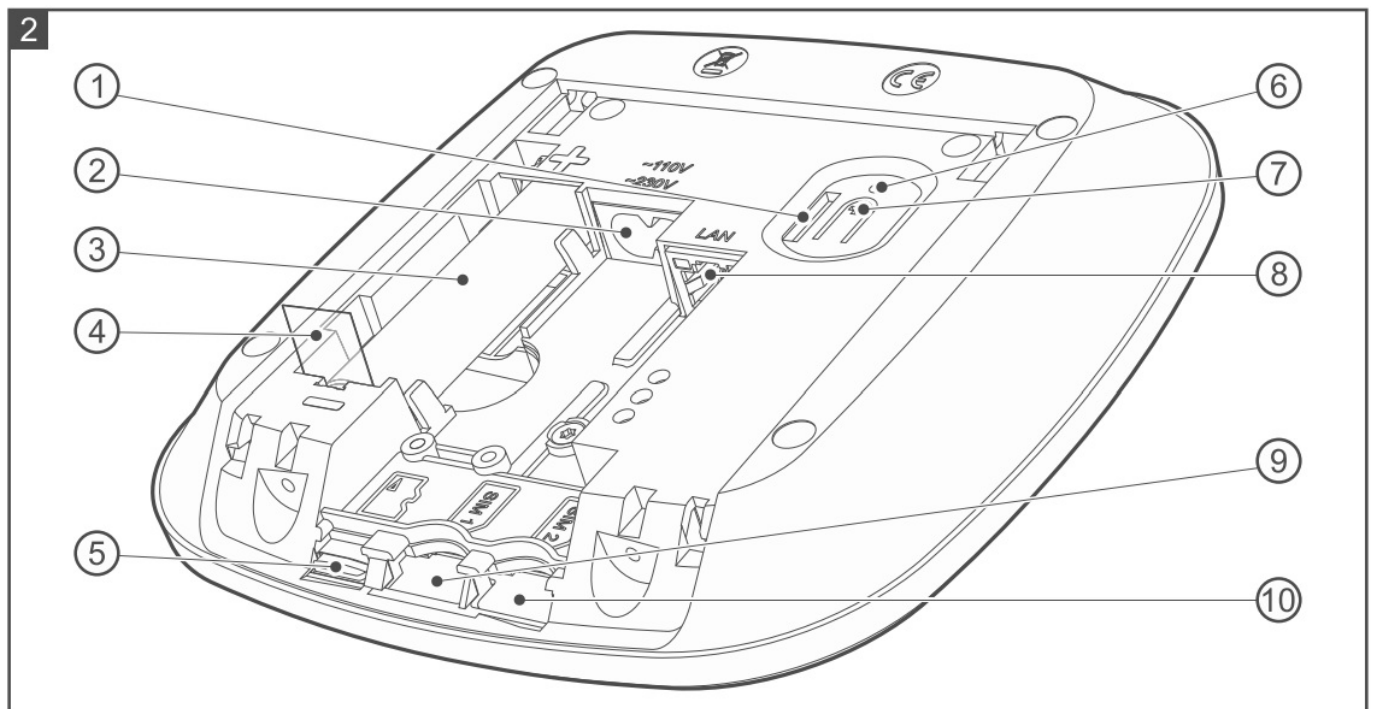


Signs in this manual

-  **Caution** – information on the safety of users, devices, etc.
-  **Note** – suggestion or additional information.

Inside of the controller

Figure 2 shows the inside of the controller.



1. tamper protection.
2. power cable port.
3. lithium-ion rechargeable battery (3.6 V / 3200 mAh).
4. battery insulator pull tag.
5. SD memory card (factory-installed).
6. factory reset pinhole (insert a pin for 5 seconds).
7. button to enable the Wi-Fi access point mode (press and hold for 5 seconds).
8. LAN cable port.
9. SIM1 slot for first SIM card [Smart HUB Plus].
10. SIM2 slot for second SIM card [Smart HUB Plus].

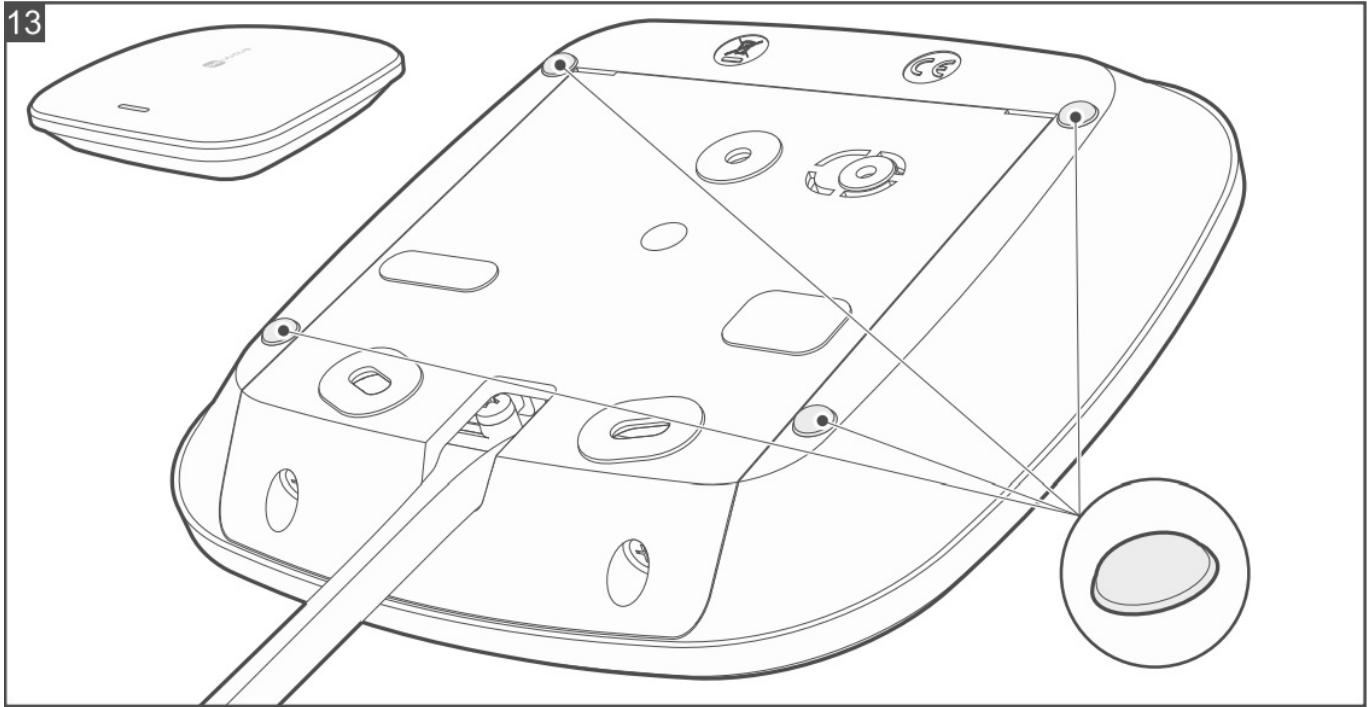
Installation

- The controller can be connected to a power outlet whose voltage is the same as the voltage indicated on the controller's rating plate.
- Do not connect the controller to a power outlet if the controller power cable or enclosure are damaged.
- Do not touch the power cable plug with wet hands.
- Do not pull the cable to disconnect it from the outlet. Pull the plug instead.
- If smoke is coming out of the device, disconnect the power cable from the outlet.
- There is a danger of battery explosion when using a different battery than recommended by the manufacturer, or handling the battery improperly.
- Do not crush the battery, cut it or expose it to high temperatures (throw it into the fire, put it in the oven, etc.).
- Do not expose the battery to very low pressure due to the risk of battery explosion or leakage of flammable liquid or gas.
- If the controller is mounted higher than 2 m above the ground, it can become a danger when it falls off the wall.
- Do not place heavy objects on the controller.
- Do not install the controller at locations above 2000 m above sea level.

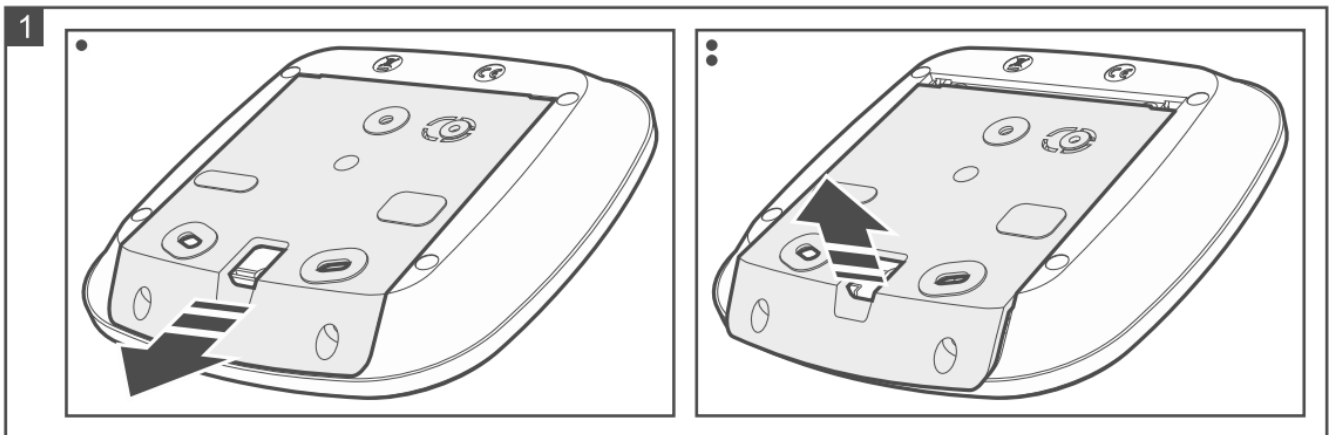
The controller should be installed indoors, in spaces with normal air humidity. You can mount it on the wall or place it on a tabletop. The place of installation should be close to a 230 VAC power outlet. The outlet must be readily available. The electrical circuit must have suitable protection.

The BE WAVE wireless devices you are planning to install must be within the range of the controller's radio communication. Keep this in mind when selecting a place of installation for the controller. Please note that thick walls, metal partitions, etc. will reduce the range of the radio signal.

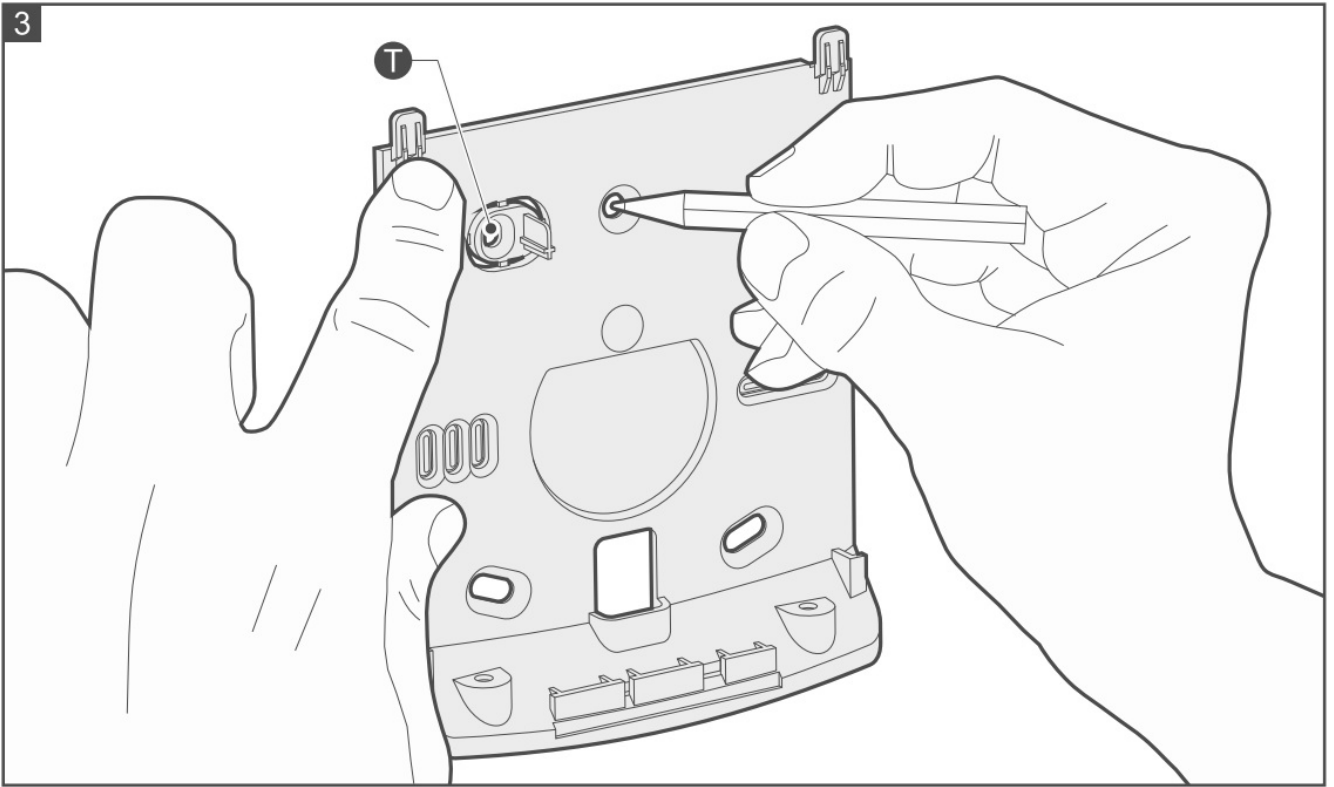
If the controller is to meet the requirements of Standard EN 50131 for Grade 2, mount the controller on the wall. Do not mount the controller on the wall with cables pointing upwards. If the controller is to remain placed on the tabletop, skip steps 2, 3 and 5 and apply adhesive anti-slip pads on the bottom of the enclosure (Fig. 13). The pads are supplied with the controller.



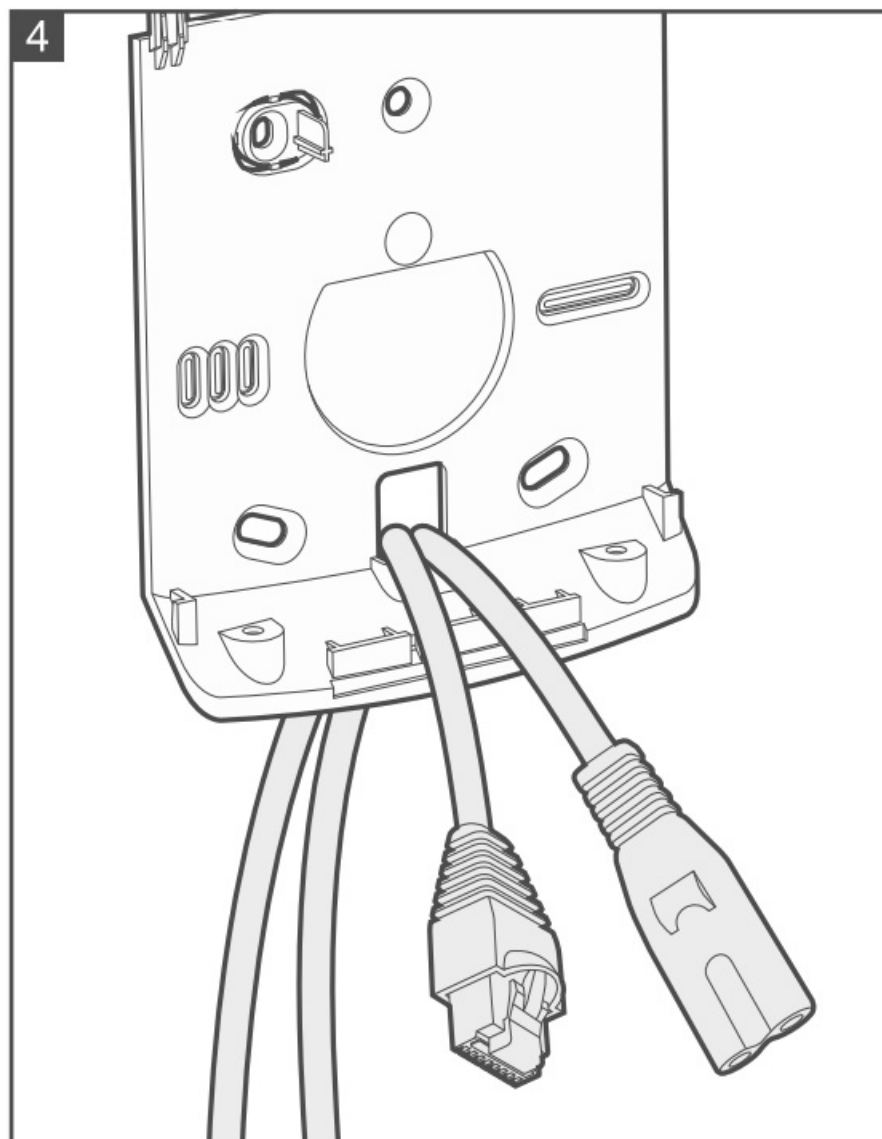
1. Open the controller enclosure (Fig. 1).



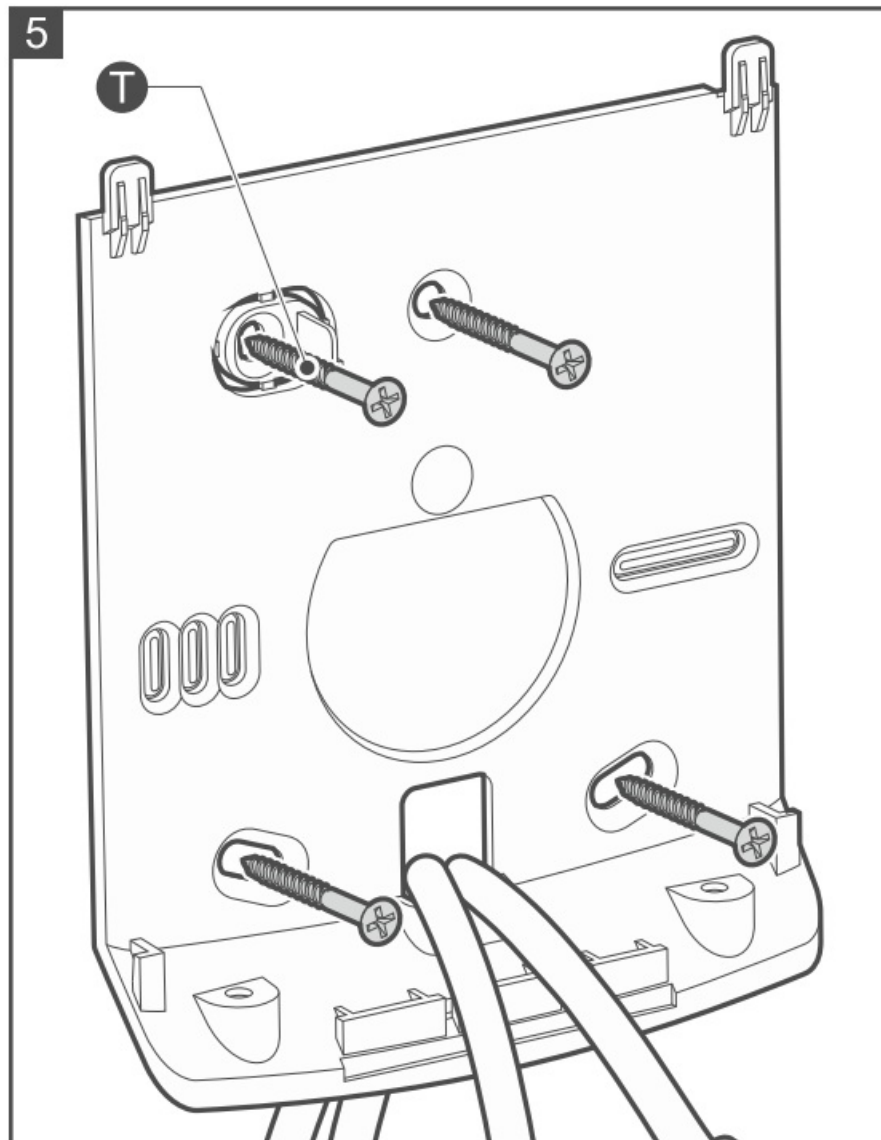
2. Place the enclosure base against the wall and mark the location of mounting holes (Fig. 3). If the controller is to detect removal from the surface, mark the location of the hole in the tamper protection element – indicated with the **T** symbol in Fig. 3 (requirement of Standard EN 50131 for Grade 2).



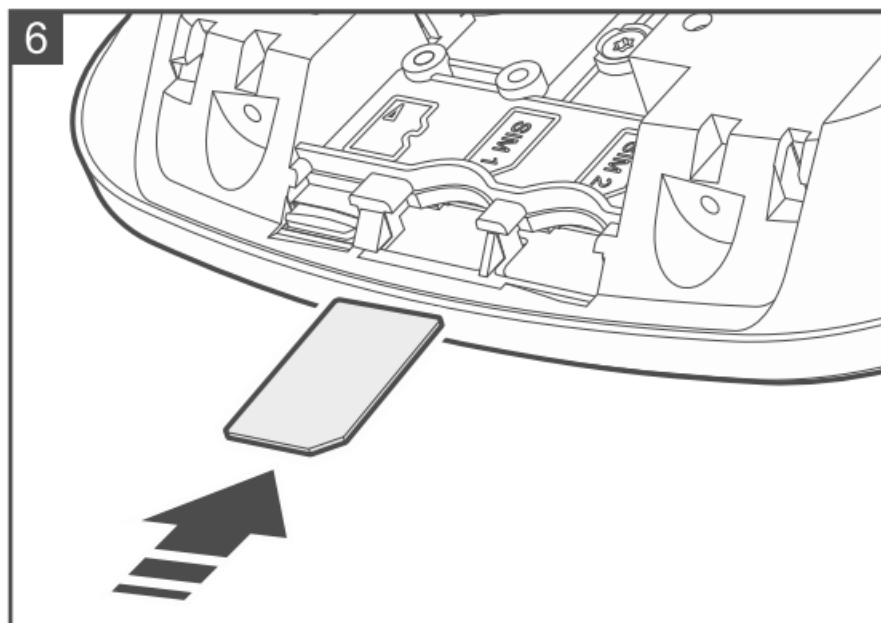
3. Drill the holes in the wall for wall plugs (anchors). Select wall plugs specifically intended for the mounting surface (different for concrete or brick wall, different for plaster wall, etc.).
4. Run the cable(s) through the hole in the enclosure base (Fig. 4).



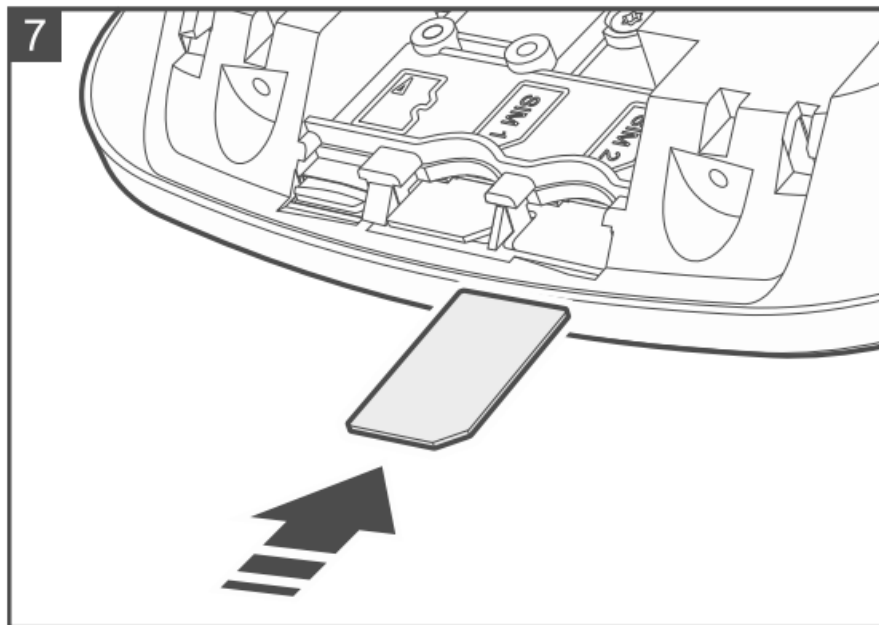
5. Fasten the enclosure base to the wall with screws (Fig. 5).



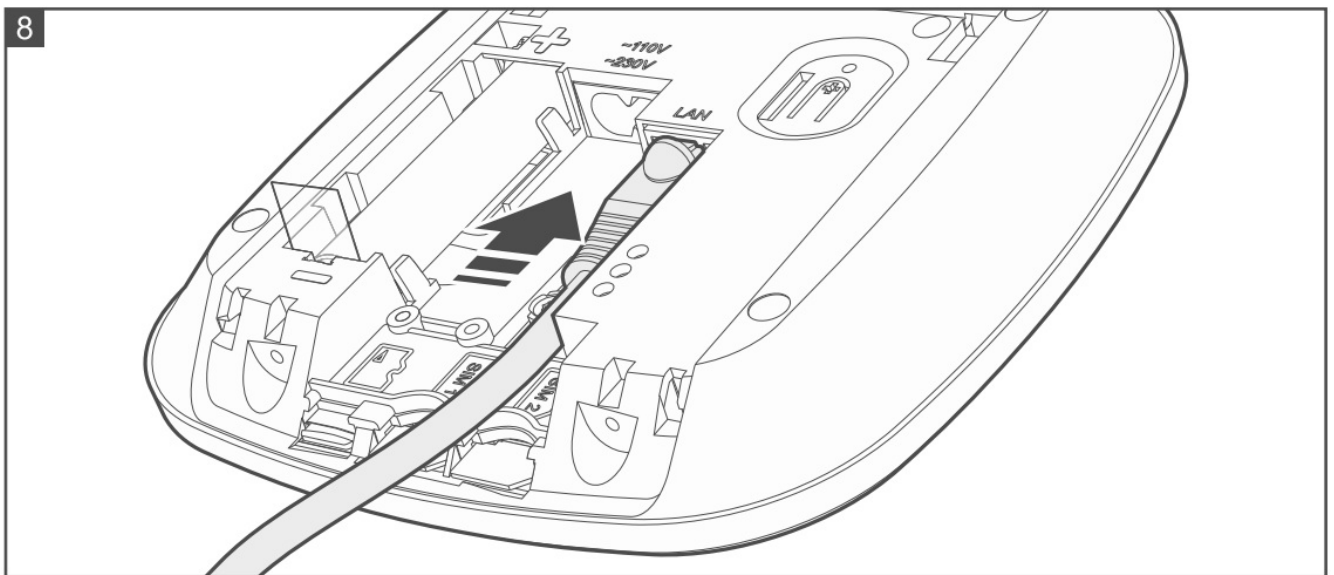
6. Insert a mini SIM card into the SIM1 slot (Fig. 6) [Smart HUB Plus].



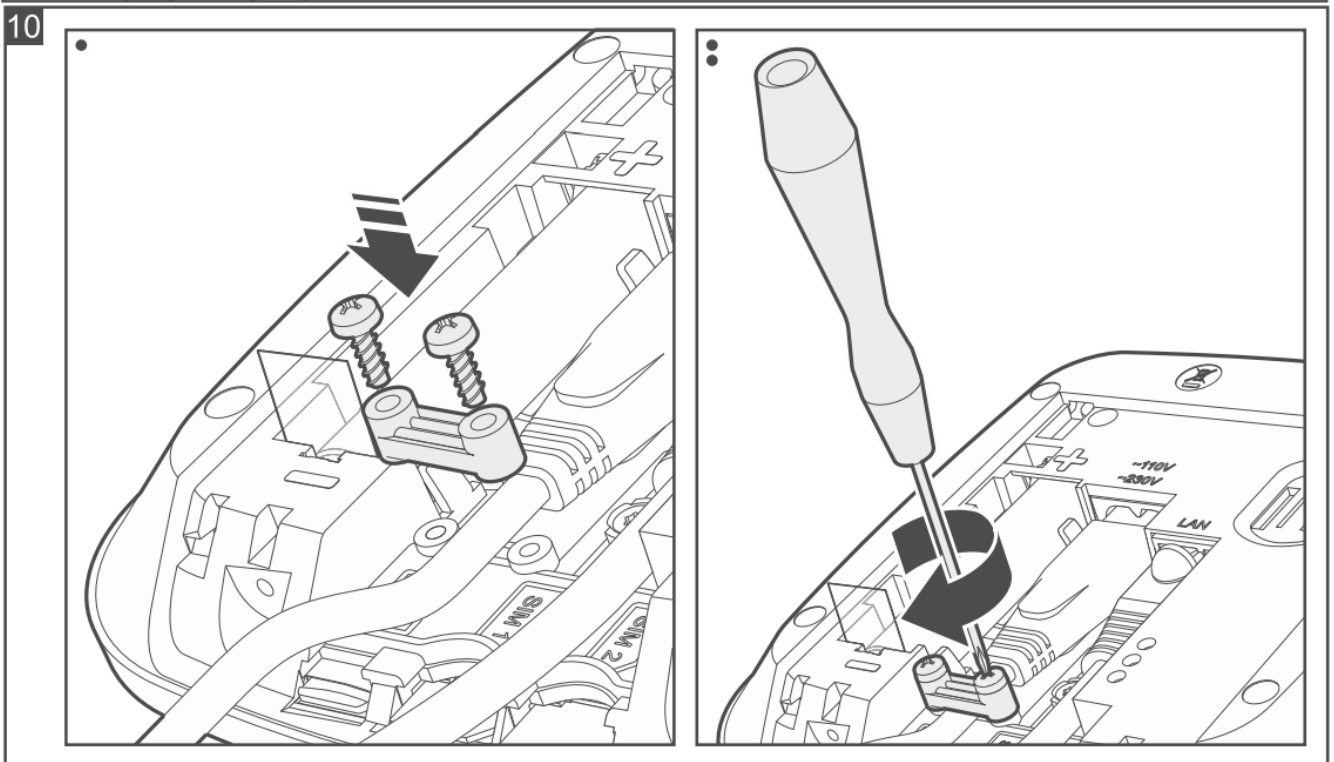
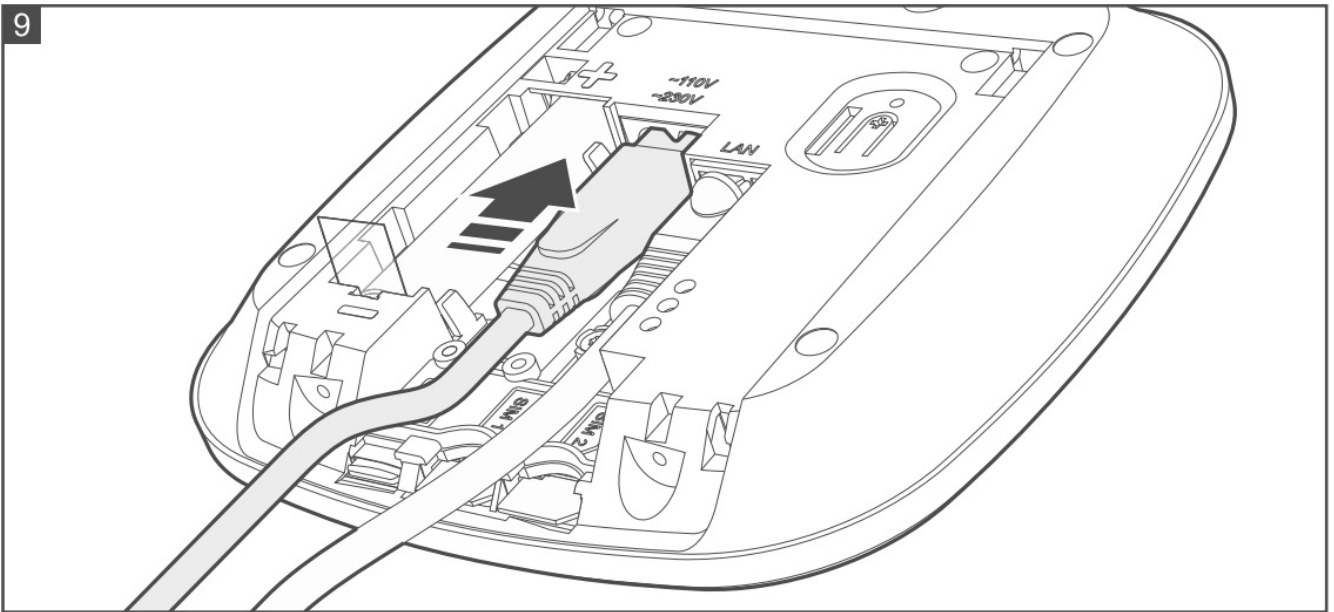
7. If you want to use two SIM cards, insert the second mini SIM card into the SIM2 slot (Fig. 7) [Smart HUB Plus].



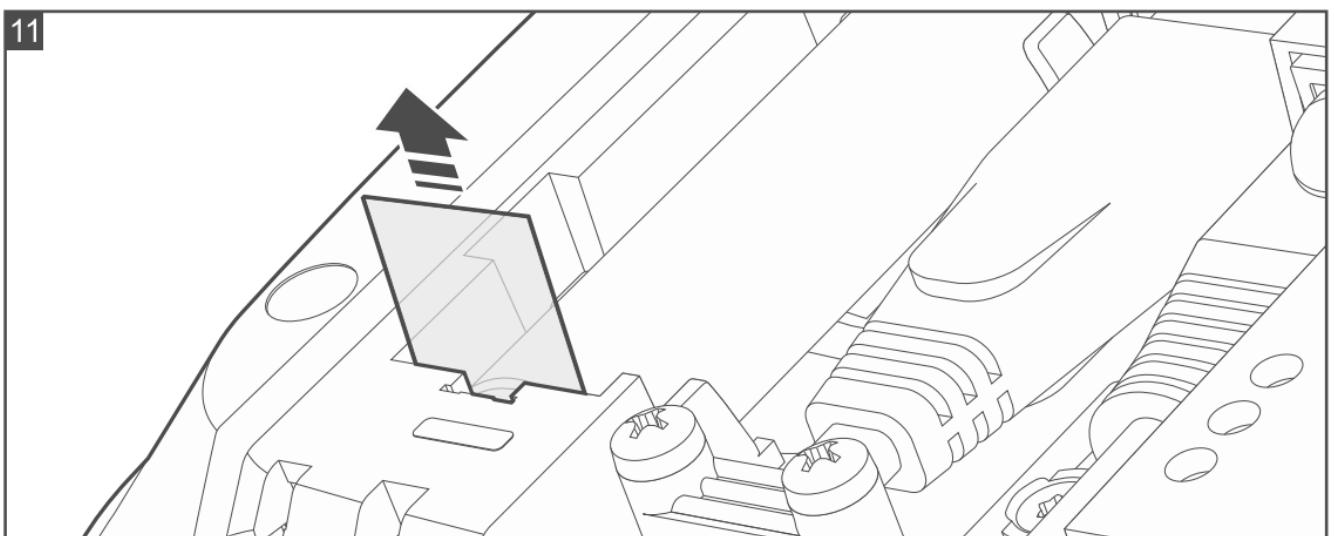
8. If the controller is to be connected to the wired LAN network, connect the cable to the LAN port (Fig. 8). Use a cable compliant with the 100Base-TX standard with the RJ-45 plug (the same as for connecting the computer to the network). The controller can only operate in the local area networks (LAN). It must not be connected directly to the public computer network (MAN, WAN). To establish connection with a public network, use a router or xDSL modem.



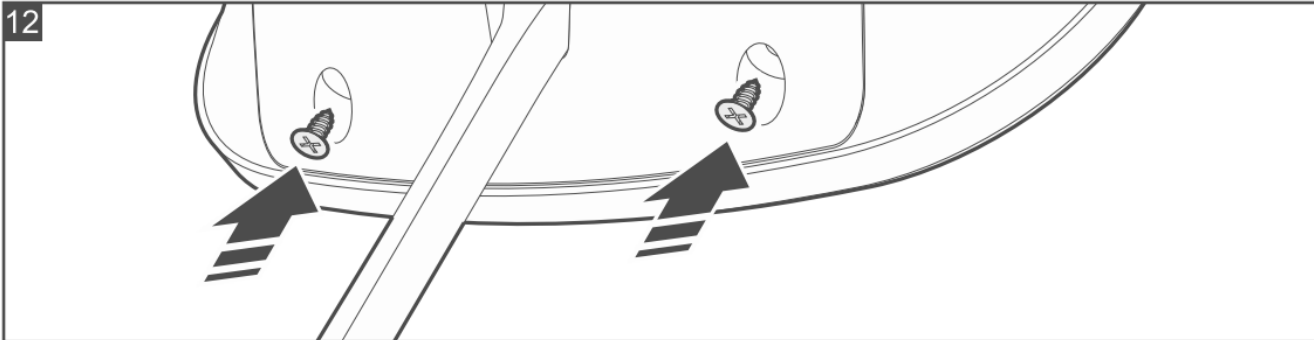
9. Connect the power cable to the power cable port in the controller (Fig. 9) and secure the cable fastener with screws (Fig. 10).



10. Remove the battery insulator tag (Fig. 11). The controller will power on (the controller LED indicator will start flashing).



11. Close the enclosure and secure it with screws (Fig. 12).



12. Plug the power cable to the power outlet.
13. Start the Be Wave app to configure the controller settings and add BE WAVE devices. You can download the app from “Google Play” (Android system devices) or “App Store” (iOS system devices).

Replacing the rechargeable battery

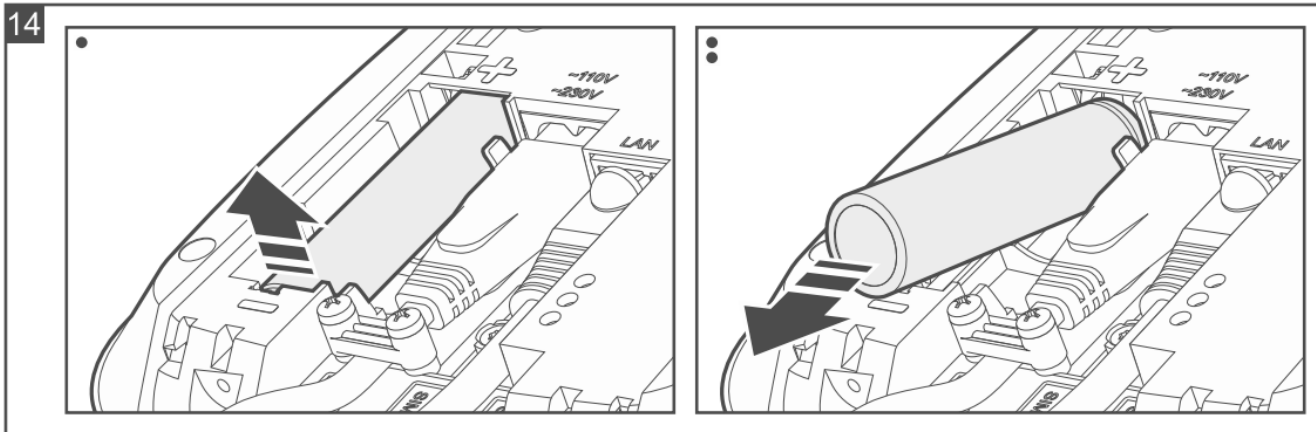
Be particularly careful when replacing the battery. The manufacturer is not liable for the consequences of incorrect installation of the battery.

The used batteries must not be discarded, but should be disposed of in accordance with the existing rules for environment protection.

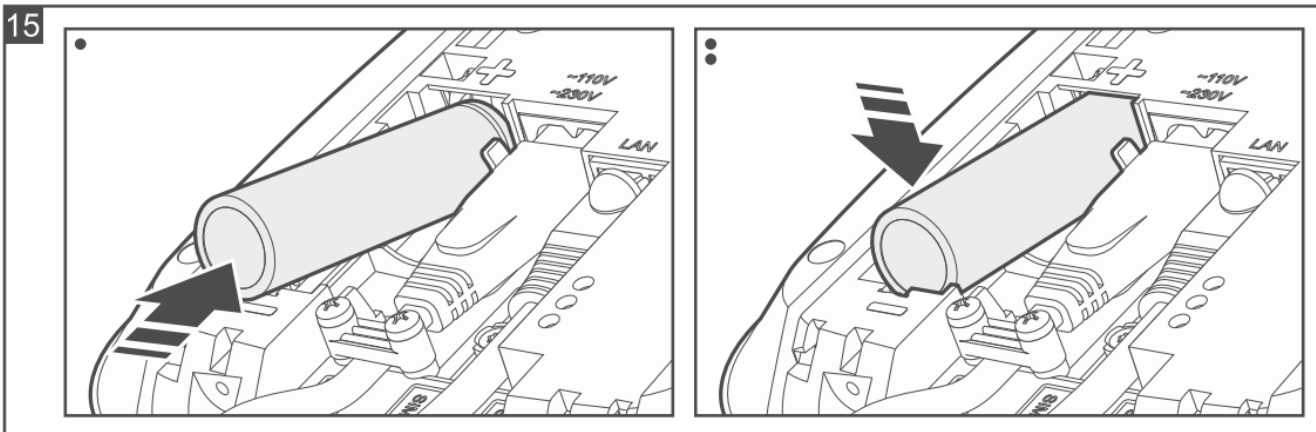
The battery will not be charged in temperatures below 0°C.

When the Be Wave app indicates that the rechargeable battery needs to be replaced:

1. Start the diagnostics mode in the Be Wave app.
2. Open the controller enclosure.
3. Remove the old battery (Fig. 14).



4. Install the new battery (Fig. 15).



5. Close the enclosure and secure it with screws.
6. Close the diagnostics mode in the Be Wave app.

Hereby, SATEL sp. z o.o. declares that the radio equipment type Smart HUB Plus / Smart HUB complies with Directive 2014/53/EU. The full text of the EU Declaration of conformity is available at the following internet address: www.satel.pl/ce




When no longer in use, this device may not be discarded with household waste. Electronic equipment should be delivered to a specialized waste collection center. For information on the nearest waste collection center, please contact your local authorities. Help to protect the environment and natural resources by sustainable recycling of this device. Improper disposal of electronic waste is subject to fines.

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Documents / Resources

	<p>satel Smart HUB Plus Be Wave System Controller [pdf] Installation Guide Smart HUB Plus Be Wave System Controller, Smart HUB Plus, Be Wave System Controller, Wave System Controller, System Controller, Controller</p>
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References

-  [SATEL – Inteligentne systemy alarmowe](#)
-  satel.pl/ce
- [User Manual](#)

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