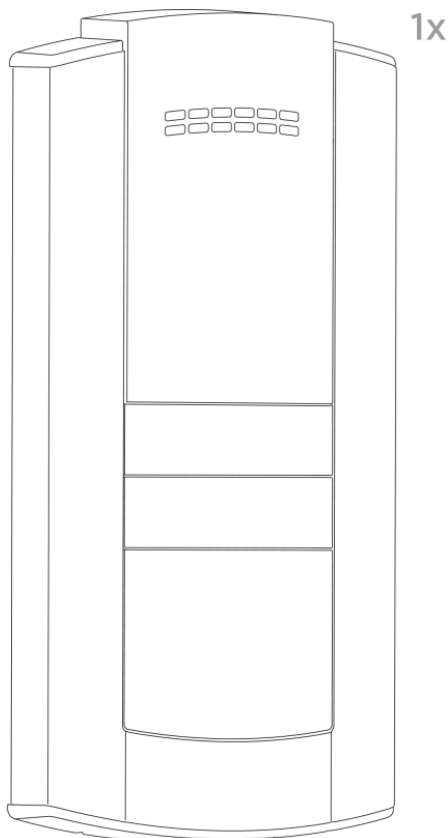
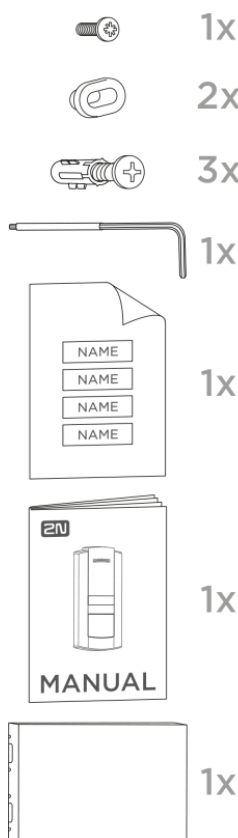




Base



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Read this manual carefully before using the product and follow the instructions and recommendations included herein. Refer to wiki.2n.cz for full documentation on this IP intercom.

What You Need for Mounting

- LAN connection, Cat5e or higher UTP cable with RJ-45 connector
- PoE 802.3af or 12 V DC / 2 A power supply

Installation Procedure

- Choose an installation site easily accessible to users.
- Check the cable connection options: the device is equipped with two cable bushings towards the wall in its bottom part.
- Prepare the cables, LAN connection and power supply and lock/accessory wiring if necessary.
- Remove the metal device cover, open the lower blank module as pointed by the arrows and introduce all the cables. Pull the cables through the bushings. The manufacturer shall not be held liable for defects incurred as a result of poor sealing.
- Mount the device to the base.
- Connect the cables and make sure that the device works correctly.
- Replace the blank and install the frame.

Caution

- Removing the front blank in the intercom bottom part make sure that no impurities get onto the sealing and connectors.
- When the proper mounting instructions are not met, water might get in and destroy the electronics. The intercom circuits are constantly under voltage and water infiltration causes an electro-chemical reaction. The manufacturer's warranty shall be void for products damaged in this way!

Mechanical Installation

The device is designed for wall (surface) mounting only and the device alone is all you need for installation. A backplate (Part No. 9156020) is intended for easier installation onto uneven surfaces and mounting boxes. Follow the backplate instructions.

Electric Installation – Description of Connector Terminals

Description of motherboard connectors accessible to users:

- 802.3af LAN connector
- Extending module connector (RFID card reader)
- Tamper – internal tamper switch output
- IN1 input terminals in passive/active mode (-30 V to +30 V DC)
 OFF = open contact OR $U_{IN} > 1.5 \text{ V}$
 ON = closed contact OR $U_{IN} < 1.5 \text{ V}$
- OUT1 active output: 8 up to 12 V DC, depending on the power supply (PoE: 10 V; adapter: supply voltage -2 V), up to 400 mA
- RELAY terminals for 30 V / 1 A AC/DC NO/NC contact

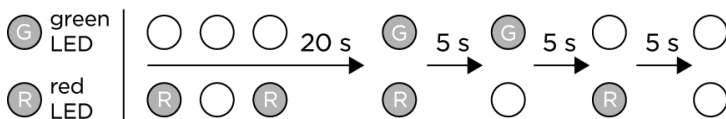
- external 12/2 A DC power supply terminals
- RESET button
- LED state indicators (red / device state / green – Ethernet connection / yellow – LAN activity)

Door lock connection – Either connect the electric lock to the Active output, which also provides power supply, or switch the external power supply using a relay. In either case, we recommend you to use low-consumption locks and keep the above mentioned maximum values.

Where coil-containing devices such as relays or electromagnetic locks are used, make sure that the intercom output is protected against surge when the induction load is switched off. For this way of protection, we recommend a 1 A / 1000 V (1N4007, 1N5407, 1N5408, e.g.) diode connected antiparallel and placed as close as possible to the lock.

Factory Default Reset – Follow the instructions below to reset the factory default values:

- Press the RESET button.
- Wait until the red and green LEDs on the device come on simultaneously (approx. 20 s).
- Wait until the red LED goes off (approx. 5 s).
- Wait until the green LED goes off and the red LED comes on again (approx. 5 s).
- Wait until the red LED goes off (another 5 s).
- Release the RESET button.



Button Name Tags – A translucent sheet is enclosed to the product for name tag laser printing. Refer to www.2n.cz for printing template download. Do not use paper or other non-waterproof materials for your tags. Water may get inside the name tag – this has no influence on the device function.

Configuration – Typically, configuration is made via the device web interface. Alternatively, configuration via the 2N® Access Commander or My2N service can be used.

The factory default value is **DHCP ON**. Press the upper button fifteen times to switch DHCP ON to OFF or vice versa.

Identify the device address:

- by using the 2N® Network Scanner; refer to www.2n.cz for download;
- by pressing upper button five times within 30 s after the device start sound signal. If the address is 0.0.0.0, then the intercom did not get the IP address from the DHCP server

and static IP address (DHCP OFF) has to be used. If DHCP OFF is set, the intercom static address is 192.168.1.100.

Enter the found IP address into the web browser. Accept the safety warnings of some browsers as your acceptance is not in contradiction to a safe use of your device. Factory login data: username: **admin** and password: **2n**.

Once logged in, you can start configuring your device via the web interface. Refer to the Configuration Manual available at wiki.2n.cz for configuration details; find a direct link on the introductory screen of the configuration interface.

Maintenance – Cleaning

If used frequently, the device surface gets dirty. Use a piece of soft cloth moistened with clean water to clean the device.

You are recommended to follow the principles below while cleaning:

Do not use aggressive detergents (such as abrasives or strong disinfectants). Use appropriate cleaning agents (suitable for glasses, optical devices, screens, etc.) for lens cleaning. Alcohol-based cleaners may not be applied. Clean the device in dry weather in order to make waste water evaporate quickly. We recommend you to use IT cleaning wipes.

Caution

- Use the product for the purpose it was designed and manufactured for, in compliance with the User Manual.
- Any use of the product that is in contradiction with the instructions included in the User Manual may result in malfunction, damage or destruction of the product.
- Any use or connection of the product other than that included herein shall be considered undue and the manufacturer shall not be liable for any consequences arisen as a result of such misconduct.
- Be careful while handling the product; the manufacturer shall not be liable for any personal injury or property damage associated with the device.
- The warranty does not apply to the product defects and failures arisen as a result of improper mounting (in contradiction with these instructions). The manufacturer is neither liable for damage caused by theft within an area that is accessible after the attached electric lock is switched on. The product is not designed as a burglar protection device except when used in combination with a standard lock, which has the security function.
- This manual is a brief version of the online Installation Manual available at wiki.2n.cz. Should there be discrepancies, the online version prevails.

Directives, Laws and Regulations

CE EU Declaration of Conformity

2N TELEKOMUNIKACE a.s. hereby declares that the 2N® Helios IP Base product is in compliance with the essential requirements and other relevant provisions of Directives 2014/53/EU, 2012/19/EU and 2011/65/EU. Refer to www.2n.cz for the full wording of the Declaration of Conformity.

FCC

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.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada

This Class B digital apparatus complies with Canadian ICES-003.