AL-515-00-868 EnoDisc® 2, CE

Quick start guide: mounting and commissioning
Order no. 12984

PRELIMINARY VERSION – as of 01.11.2026. Applies to firmware release 1.0.0 and later. Information marked “to follow” will be added with the series release.



This quick start guide describes how to mount, connect and commission the EnoDisc® 2. The complete technical data can be found in data sheet DB-12984-EN-01.

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1 Safety instructions

– Mounting and connection by a qualified electrician only.

– The device is intended for dry indoor rooms (protection class IP20). Do not operate it outdoors, in damp rooms or where it may be exposed to splashing water.

– Supply only via PoE or with 24 V DC via the plug-in terminal. Do not connect mains voltage.

– Do not cover the ventilation slots; do not install the device in enclosed spaces without air exchange.

– Do not open the housing while the device is powered.

– Connect only the 868 MHz antenna offered as an accessory to the SMA jack.

– The initial password and the Wi-Fi password on the label are confidential. Note them down before mounting and keep them in a safe place.

2 Scope of delivery and accessories

Part	Order no.
EnoDisc® 2 (AL-515-00-868), white	12984
External rod antenna 868 MHz, white, SMA (accessory)	to follow

Table 1: Scope of delivery and accessories

A power supply unit and a PoE injector are not included. For power via PoE you need a PoE switch or a PoE injector, for 24 V DC a suitable power supply unit.

3 Device label

The label on the device contains all information needed for commissioning:

Serial number (SN)	9 digits, starting with 1
Hostname	AL-515-<serial number>
EnOcean IDs	EURID and Base ID of the device
Initial password	for the first login to the web interface
Wi-Fi password	for the setup access point AL-515-<serial number>
QR code	item, order number, serial number, EURID and Base ID

Table 2: Information on the label

Note: Note down the serial number and the passwords before mounting. Once the device is mounted, the label is no longer accessible.

4 Mounting

Location

Choose a location as central as possible to the EnOcean sensors, not directly next to or behind metal (control cabinets, steel beams, metal ceilings). The range depends strongly on the building; information to follow.

Wall mounting

1	Open the housing: the front and rear parts are clipped together.
2	Align the rear part on the wall with the ventilation slots at the top and bottom, and fasten it with two screws.
3	Feed the network cable and, if applicable, the 24 V line through the cable entry in the rear part.
4	Connect as described in section 5.
5	Fit the front part and let it snap into place audibly.

Table 3: Wall mounting steps

Ceiling mounting

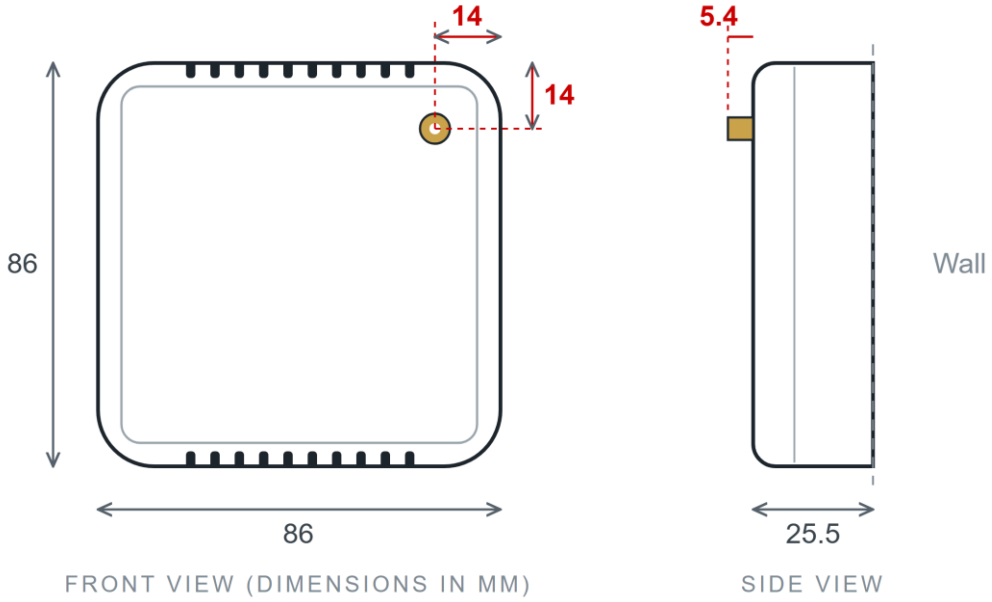
The EnoDisc® 2 can also be mounted on the ceiling, for example on a panel of a suspended grid ceiling (600 mm grid). On mineral fiber panels, fasten the rear part with cavity anchors or with a wooden backing behind the panel. The steps are the same as for wall mounting.

External antenna (accessory)

Screw the rod antenna onto the SMA jack at the top right by hand, without tools. With wall mounting it points vertically upward, with ceiling mounting vertically downward. Then select “external” in the web interface under Settings > Radio > Antenna; the setting takes effect immediately.

Caution: The SMA jack is mounted on the circuit board. Tighten the antenna hand-tight only and do not use it as a handle.

Dimensions



5 Connection

Ethernet with PoE	Network cable (RJ45) to a switch port with PoE or to a PoE injector. Data and power run over the same cable.
Ethernet and 24 V DC	Network cable without PoE to the RJ45 jack, 24 V DC to the two-pole plug-in terminal.
Wi-Fi only	24 V DC to the plug-in terminal; the network connection is set up via Wi-Fi (section 7).
PoE class / power consumption	to follow

Table 4: Connection options

After switching on, the device starts within a few seconds. LED 2 (System) lights green as soon as the firmware is running; LED 8 (Ethernet) lights green as soon as an IP address is available.

6 First login

The web interface can be reached in two ways:

Via the network	The device obtains its IP address via DHCP. Open in the browser: https://AL-515-<serial number>.local or the IP address from the DHCP server.
Via the setup access point	Without a network, the device opens its own Wi-Fi access point AL-515-<serial number> during commissioning (LED 6 blue). Connect a smartphone or notebook (Wi-Fi password from the label), then open https://192.168.4.1 in the browser.

Table 5: Ways to the web interface

1	On the first visit, the browser reports an unknown certificate because the device certificate comes from the DEUTA manufacturer CA. The connection is encrypted nevertheless. Continue, or add the DEUTA root certificate to the browser as trusted.
2	Log in with the user “admin” and the initial password from the label.
3	Set a new password. Changing it at the first login is mandatory; there is no default password.
4	After five failed attempts, the device briefly blocks logins; the waiting time doubles up to 15 minutes.

Table 6: First login

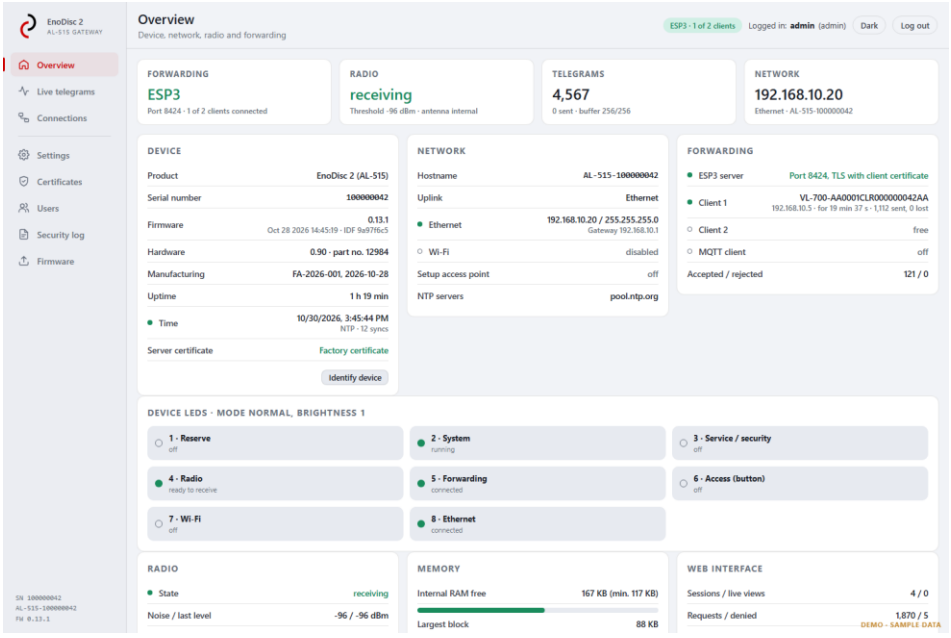


Figure 1: Web interface, “Overview” page (sample data)

Note: The access point switches off after 30 minutes without a connected device. It can be opened again with the button (section 10).

7 Configuration

All settings can be found in the web interface under “Settings”. Each setting is explained directly below it.

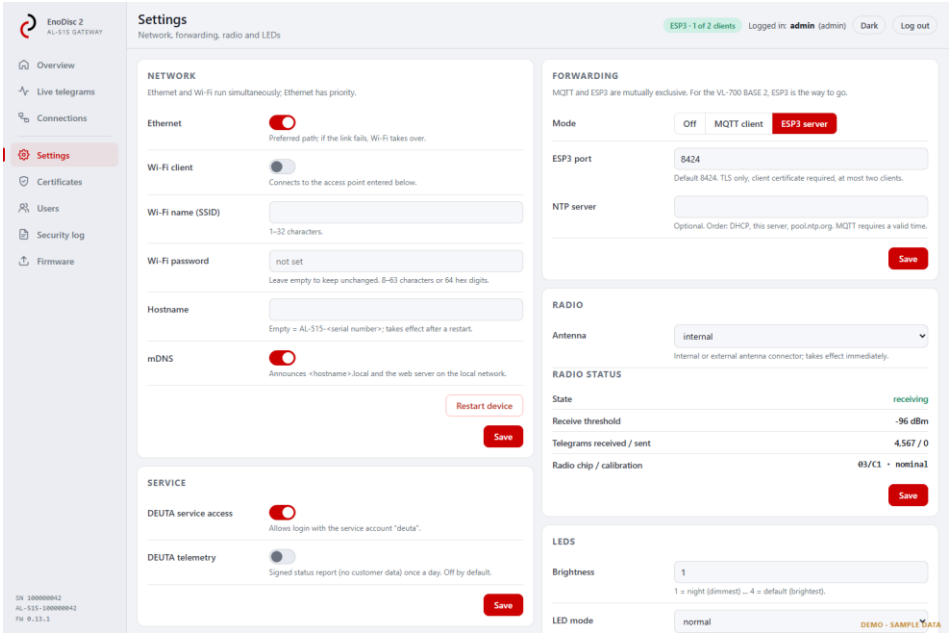


Figure 2: Web interface, “Settings” page (sample data)

Network	Switch Ethernet and Wi-Fi on or off, Wi-Fi name and password, hostname, mDNS. Ethernet has priority; if it fails, Wi-Fi takes over.
Forwarding	Select the mode: “ESP3 server” for the VL-700 BASE 2 (port 8424, TLS only with client certificate) or “MQTT client” for your own broker (address, port, login). MQTT requires a valid time (NTP).
Radio	Antenna internal or external.
LEDs	Brightness in four levels, mode normal / warnings only / off.
Users	Create further users with the roles User (view), Elevated (configure) or Admin, up to eight.
Certificates	View the factory certificate, create own certificates (CSR) and assign them per service.

Table 7: Important settings

8 Connection to the VL-700 BASE 2

1	In the EnoDisc® 2, select the mode “ESP3 server” under Settings > Forwarding and save (factory setting).
2	In the VL-700 BASE 2, create an EnoDisc channel with the IP address or hostname of the EnoDisc® 2 and port 8424, and select TLS as the connection, optionally with a name check on AL-515-<serial number>.
3	From the factory, both devices carry certificates from the DEUTA manufacturer PKI and recognize each other without further configuration.
4	As soon as the connection is established, LED 5 (Forwarding) lights green. The VL-700 BASE 2 appears as a connected client under “Connections”.

Table 8: Connection to the VL-700 BASE 2

Note: The VL-700 BASE 2 requires a current EnOcean service with TLS support. The first-generation EnoDisc is still connected via TCP; both can be operated together.

9 Status LEDs

Green = OK, yellow (slow blinking) = notice, red (fast blinking) = error, blue = special state.

LED	Function	Green	Yellow	Red / Blue
1	Reserve	reserved for future functions	–	–
2	System	running	start-up, self-test after update, memory warning	start-up error, watchdog restart
3	Security	off = everything OK	time invalid, certificate expiring soon	certificate expired
4	Radio	ready to receive, flickers per telegram	–	radio module not responding
5	Forwarding	MQTT or ESP3 peer connected	no connection, waiting for time	TLS, certificate or login error
6	Access	–	commissioning pending	blue: Wi-Fi access point active
7	Wi-Fi	connected	connecting	login rejected
8	Ethernet	connected with IP address	connected without IP address	no connection

Table 9: Meaning of the status LEDs

With “Identify device” on the “Overview” page, the device blinks for 60 seconds so that you can find it on site.

10 Button and factory reset

Press for 3 seconds	Open the setup access point (LED 6 blue)
Press for 10 seconds	Factory reset
Hold for at least 5 seconds while switching on	Recovery mode: minimal firmware with access point, login, update and factory reset
Position of the button	to follow

Table 10: Button functions

A factory reset deletes the network and forwarding settings, users and own certificates. The factory certificate, the serial number and the passwords on the label are retained. Alternatively, administrators can reset the device under “Firmware”.

Firmware update

Administrators install updates under “Firmware”. The device only accepts firmware signed by DEUTA, tests itself after the restart and automatically returns to the previous version in the event of an error. Security updates are provided for at least five years.

11 Disposal and conformity

Electrical and electronic equipment must not be disposed of with household waste. Hand in the device at a collection point for waste electrical equipment or return it to DEUTA Controls. WEEE reg. no. DE 51104067.

Found a vulnerability? Report vulnerabilities to security@deuta-controls.de. The vulnerability disclosure policy is available at www.deuta-controls.net under Support/Cybersecurity.

Note:

This device is approved for operation within the member states of the European Union only.

EU declaration of conformity

DEUTA Controls GmbH hereby declares that the radio equipment type **AL-515-00-868 EnoDisc® 2, CE** is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.deuta-controls.net under Service/Downloads (doc. no. to follow).

Document control			
Document no.	BA-12984-EN-01	Version	1 (preliminary)
Date	01.11.2026	Classification	Public
Author	Technical documentation	Reviewed and approved	pending
Change	First edition, preliminary: range, PoE class, power consumption and button position to follow		
Printed copies are not subject to change control. The currently valid version is available at www.deuta-controls.net under Service/Downloads.			

Table 11: Document control