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LORCOM - CHANGELOG

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Firmware for LORCOM LoRaWAN Gateway.

Product name LORCOM
Product title LoRaWAN Gateway
Vendor name FIRVENA s.r.o.

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2026-06-17 V1.0.0

This firmware introduces major improvements to Modbus interface and WebUI.
It also includes a preliminary version of the BACnet interface.

--- BACnet ---

Add BACnet interface:

- It supports both uplink and downlink.
- It uses the same value definitions as Modbus.
- Only one application can have a BACnet server enabled.
- Limited to 200 devices

--- Modbus ---

Add downlink interface for TX Values:

- two send options available: 2:all_send_now, 4:single_on_write_any
- fPort is taken from the definition of values in device profile (if not overridden by Codec)

--- WebUI ---

Improve Values UI under the [Device > Values] tab:

- It emulates the BACnet and Modbus interface behavior, which is very useful for testing the device profile.
- It shows all values and metavalues defined in the device profile.
- It shows instance numbers of BACnet objects and addresses of Modbus registers if the BACnet/Modbus server is enabled for the parent application.
- It allows to watch uplink data and send downlinks.
- It fixes the false yellow flash that occurred when the page was reloaded.

Create a link between [Device > Values] and [BACnet/Modbus tree view]:

- [Device > Values]: the link below the table opens the BACnet/Modbus configuration of the parent application.
- [BACnet/Modbus tree view]: you can open the [Device > Values] view by clicking on a device item in the tree.

Add BACnet settings to [WebUI > BACnet]:

- the same tree view of applications and devices as in Modbus
- port, device ID, object naming template

Add a restart button for refreshing BACnet or Modbus interface:

- This button refreshes the BACnet/Modbus interface immediately.

- It is useful if you add a new device or modify a device profile.

Update Modbus CSV export

2026-06-10 V0.18.0

--- System, Network ---

Add an SSDP responder to simplify access to the WebUI:

- This change allows the gateway to be visible as a network device on the Microsoft Windows operating system in [File Explorer > Network].
- SSDP stands for Simple Service Discovery Protocol, it is an alternative to mDNS.

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--- WebUI ---

Extend the Logout button:

- It clears the session both on the browser and server side.
- It turns the blue CONFIG LED off immediately.

--- System, Security ---

Require a password change on first login:

- The user is prompted to create a unique password upon first login.
- The normal use of the application is disabled until the password is changed.

Hide Node-RED behind Webserver:

- Node-RED is now at <http://lrgw.local/nodered>
- The same login as for WebUI is required.
- The Node-RED session remains open until the browser is closed or the logout button is clicked in the WebUI.

2026-05-05 V0.16.1

--- System, Config ---

Modbus: fix broken Modbus configuration (no data in registers).

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END
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