Release notes — Modbus Driver for Ignition 8.1

Deutsche Fassung: RELEASE_NOTES.de.md

What changes for you when you install a new version of this module: new features, changed behaviour, what was removed and what was fixed. This includes changes in the ToddySoft Connect Modbus driver inside the module. Every item is described in full in the manual (*Version history* and the sections it points to).

1.3.0 — 2026-11-13

Built on ToddySoft Connect 1.3.0.

Before you upgrade

- **Ignition 8.1.33 or later is required** (Java 17). On older 8.1 releases Ignition refuses the install. Upgrade Ignition first.
- **The licence agreement has changed**, so Ignition asks you to accept it again.
- **A per-tag byte order now takes effect.** An address such as `holding-register:100:DINT{byte-order: LITTLE_ENDIAN}` was decoded with the device's **Default Byte Order** until now, so the values of such tags can change. An address with an unknown option or byte order, or a `unit-id` outside 0–255, is now refused as invalid instead of being read without it. Check tags that carry options.
- **Write Timeout** now takes effect, with a default of 30 s. A value saved earlier was never applied and is not carried over; set it again if you need another one.

New

- **Triggered groups:** tags read together when a trigger tag changes, instead of at a fixed polling rate.
- **Licence diagnosis on the gateway:** why a device is or is not licensed, with a report to send to support.
- **An expired licence keeps working for its 30-day grace period**, and the gateway names its end date. Until now an expired licence was reported as corrupted and refused at once.
- **Installing or upgrading the module needs no gateway restart** on Ignition 8.1.
- **Manual:** the first edition of this module's manual, including activating, renewing and moving the licence, online and offline.

Changed

- **The device status is accurate:** *Connected* once reads succeed, and a paused tag group says why it is paused.
- **A request that runs out of Request Timeout logs one warning** naming how many tags timed out and what to change, instead of an error with a stack trace for every tag.
- The module's description on the gateway says it is the build for Ignition 8.1.

Fixed

- **Extended registers (`6x`) can be written.** Every such write failed before it was sent.
- **Large merged requests stay within Modbus's limits** per request (for example 123 registers per write), so the device no longer refuses them.
- **Behind a Modbus TCP-to-serial gateway, an answer from another unit is no longer taken** as the addressed device's value or as its write confirmation; the read or write fails instead.
- **Licence:** a valid licence is no longer reported as *corrupted* after a gateway start, nor when Ignition delivers it while the gateway is running. The licence itself no longer appears in the gateway or audit log.
- **Writes the device refuses fail in Ignition**, with the reason as the status (for example `Bad_NotFound` for an address past the end of the device's map). They used to be reported as successful.
- **Tag quality:** a tag not read yet, or whose last read failed, no longer reads 0 with Good quality.
- **A device that refuses an extended-register request** answers at once, instead of the request waiting out its timeout.
- Removing the last tag of a tag group no longer leaves the device in *Connection Lost*.
- A device no longer fails to start with `NoClassDefFoundError: …/PlcDeviceSetup`.