Public 26.3 - v3.0.x

## i-C4C GO — Firmware release notes v3.0.x

**Applies to:** i-C4C GO Pro, Basic

**In this document**

| Version | Date | Summary |
|---|---|---|
| v3.0.3 | 01/09/2026 | Hoist selection for duty class and service counters, official CANopen vendor ID, web interface with MQTT active |
| v3.0.2 | 11/08/2026 | Wi-Fi access point channel and bandwidth selection |
| v3.0.1 | 07/08/2026 | Overload as a duty class event, duty class report |
| v3.0.0 | 29/06/2026 | Duty class monitoring, modernised web interface, MQTT |

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### Before you update

Read this section before updating an installed machine. v3.0.0 changes several things that service and commissioning procedures may rely on.

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|---|---|
| **Minimum previous firmware** | 2.5.4 |
| **Configuration and parameters** | Migrate automatically |
| **Downgrade to v2.x** | Possible, but not advised |

**Safe Working Period (SWP) now counts up instead of down.** Before updating, note your remaining SWP value. After updating, subtract this value from the total SWP and enter it as the new current SWP value. If you record remaining SWP hours in a

maintenance file, note that the figure shown after the update is hours used, not hours remaining.

**SWP is now configured from the Duty class tab, not the Service panel.** The SWP end value can no longer be changed from the Service panel, and the SWP settings are hidden in the Setup menu. Existing service procedures that point to those fields need updating.

**The Wi-Fi network name changes.** The user can customize the SSID (prefix IC4C_ remains). If this is modified, the suffix is used as the device name.

**A sold duty class is assigned on update.** Existing installations are set to M5 (SWP of 1600h) and should be checked against the class the hoist was actually sold as.

##### Also check when updating to v3.0.2 or later

*Since v3.0.2* — **The Wi-Fi access point now uses 20 MHz.** Earlier firmware always used 40 MHz. On a busy 2.4 GHz band 20 MHz is the more reliable choice, so it is the new default. If a site depends on 40 MHz, select it again under Network after updating.

*Since v3.0.2* — **The Wi-Fi network name and password are limited to 29 characters.** If the machine joins a customer network whose name or password is longer, that connection can no longer be entered.

*Since v3.0.3* — **The device reports the official CANopen vendor ID.** If a PLC or control system on the CAN bus is configured with the previous vendor ID, set **Vendor id** to **Legacy** under Setup → CAN after updating. i-C4C devices on the bus are recognised with either vendor ID, so a mix of updated and non-updated devices is not a problem.

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### v3.0.3 — 01/09/2026

v3.0.3 extends duty class and service monitoring to machines where several hoists share the same movement signals, moves the CANopen vendor ID to the officially registered value, and makes the web interface usable while MQTT is publishing.

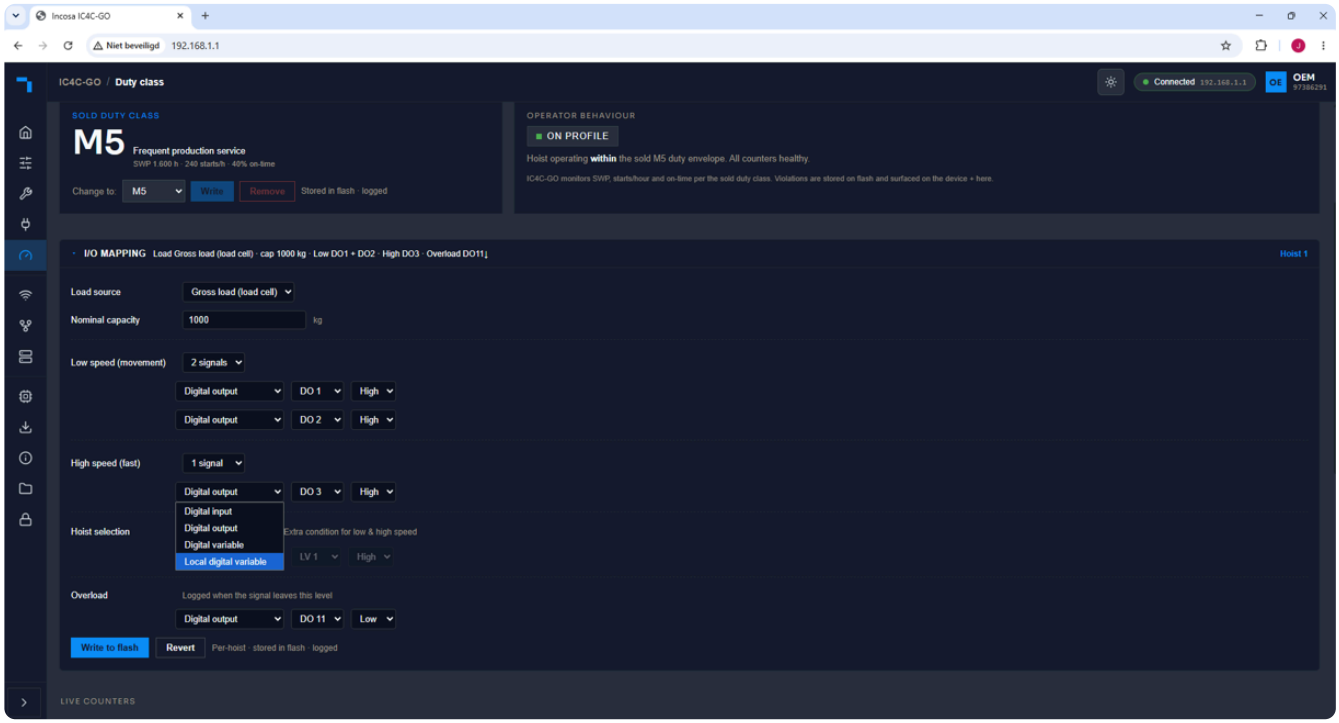
##### New

#### Duty class and service

- **Duty class:** an optional hoist selection signal can be assigned per hoist. While that signal is not active, the hoist is counted as standing still — no

starts, no duty class state and no SWP time are recorded. Use this where one set of movement signals is shared between hoists and a selector determines which hoist they apply to.

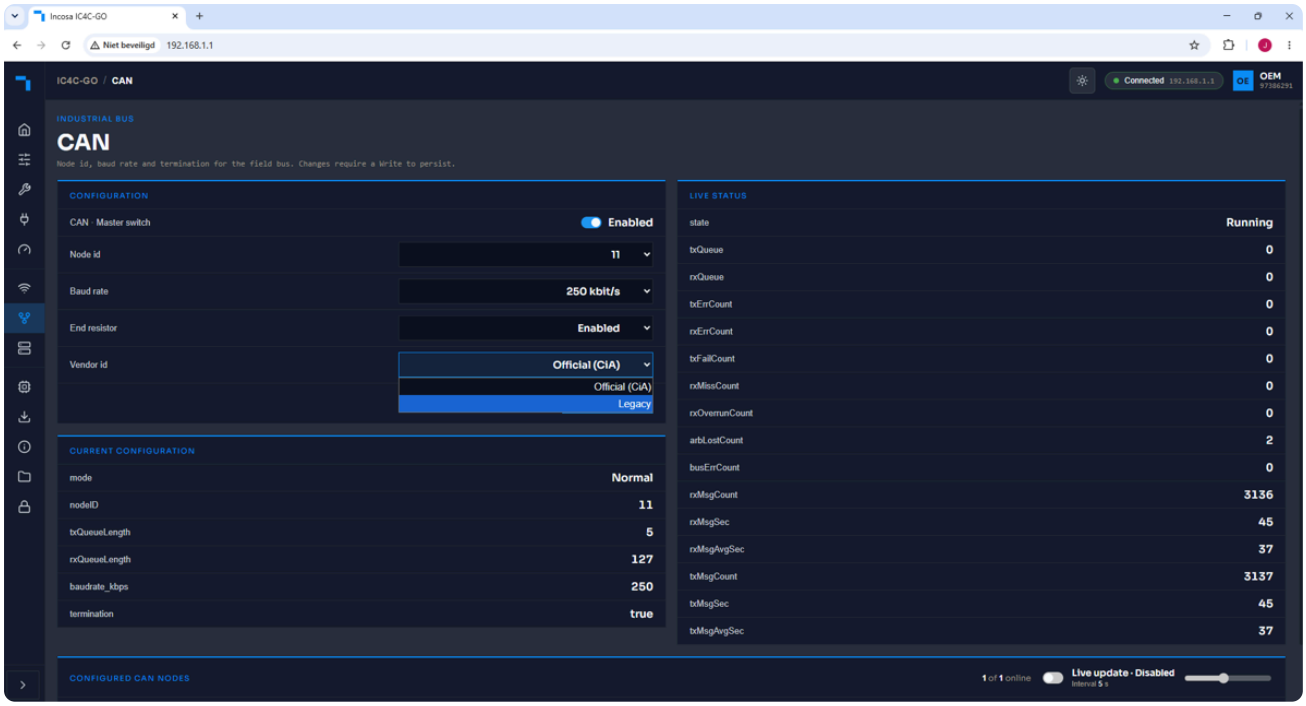
- **Service:** the same hoist selection can be assigned to a movement time or a moved load counter. The counter is paused while the hoist is not selected, so a load cycle cannot be counted for the wrong hoist.
- **Duty class and Service:** signals can now also be assigned to digital variables and local variables, in addition to digital inputs and outputs. This applies to the movement signals, the overload signal and the service counter triggers.
- **Duty class and Service:** a local analog variable can be selected as the load source, alongside the load cell and analog variables 3–6.




**Duty class** — assigning the hoist selection signal

### CAN

- **CAN:** the CANopen vendor ID is now the value officially registered with CiA. A **Vendor id** setting in the CAN menu lets you choose between **Official (CiA)** and **Legacy**, so control systems configured with the previous vendor ID keep working. See Before you update.
- **CAN:** the node list shows which vendor ID a connected i-C4C device reported, so an updated and a non-updated device can be told apart.
- **CAN:** the hoist selection state of both hoists is published as digital variables.




**CAN** — Official (CiA) or Legacy vendor ID

### Connectivity

- **MQTT:** local digital variables and local analog variables are now published.

#### Changed

- **MQTT:** values are published every 3 seconds, and every 10 seconds while the web interface is open, so the web pages stay responsive while MQTT is active.
- **MQTT:** messages are sent without broker acknowledgement. A value that cannot be sent is offered again on the next publishing cycle, so the current state is always restored once the connection recovers.
- **Duty class and Service:** a settings file exported as a backup can now be used directly as a configuration file.
- **Task monitor:** the page refreshes every 3 seconds instead of every second.

#### Fixed

- The web interface and the File system page could fail to load, or show **Disconnected**, while MQTT was active. Both pages now load reliably with MQTT running.
- The device could restart while MQTT was active and the web interface was open.
- The web interface could stay unreachable after it had shut down to free up memory, until the device was switched off and on again.
- **MQTT:** a negative gross load — after taring — was published as a very large positive value.

- **MQTT:** saving the MQTT settings repeatedly reduced the available memory.
- **MQTT:** values were sent while no connection to the broker was established.
- **Duty class:** when only the second hoist was in use, it could be linked to the first hoist's duty class and SWP counter after a restart.
- **Duty class:** an invalid I/O assignment stopped duty class counting without any indication. The hoist now falls back to its default assignment.
- **Service:** no service counters were loaded when an exported backup was used as the configuration file.
- **Service:** the forced relay settings of the SWP counters were lost when an exported backup was used as the configuration file.
- Status information requested by an external system could return the wrong data for an incomplete request.

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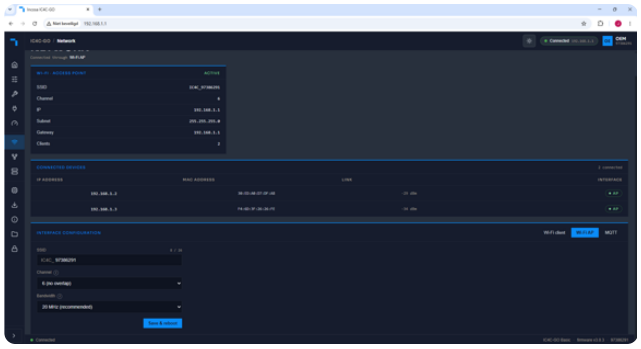
### v3.0.2 — 11/08/2026

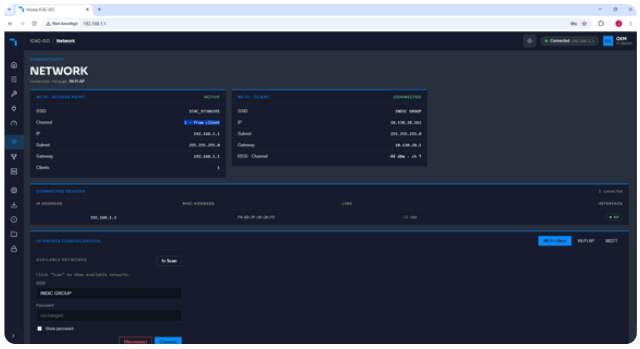
v3.0.2 gives the operator control over the Wi-Fi access point's channel and bandwidth, which helps on sites where the 2.4 GHz band is busy.

#### New

- **Network:** the channel of the Wi-Fi access point can be selected, from 1 to 11. Channels 1, 6 and 11 are marked in the list — they are the only channels that do not overlap, and are the best choice on a busy site.
- **Network:** the bandwidth of the Wi-Fi access point can be set to 20 or 40 MHz.
- **Network:** the access point card shows the channel the device is actually using. The i-C4C GO has one radio, so while it is connected to another Wi-Fi network as a client, the access point follows the channel of that network. The page shows **from client** when this is the case.
- **Network:** a **Disconnect** button ends the Wi-Fi client connection, leaving the device running as its own access point.



**Network** — access point channel and bandwidth




**Network** — channel in use

#### Changed

- **Network:** the Wi-Fi access point now uses 20 MHz by default instead of 40 MHz. See Before you update.
- **Network:** the Wi-Fi client form shows the network the device is connected to. Leaving the password empty keeps the stored password for that network, so the connection can be re-confirmed without entering the password again.
- **Network:** the Wi-Fi network name and password are limited to 29 characters.
- **Duty class:** the **Total running min / hour** column has been removed from the duty class reference table. The figure follows from the duty factor and the slow and fast speed columns beside it.

#### Fixed

- The selected access point channel was not applied. In access point mode no channel was set at all, and in combination with a Wi-Fi client connection the channel was fixed at 1.
- The device could become unreachable after an access point setting the radio does not accept — no web interface and no Wi-Fi client connection, recoverable only by reloading the firmware. An unusable setting now falls back to channel 1 and the access point keeps running.
- Entering a long Wi-Fi network name or password could restart the device.
- Confirming the Wi-Fi client settings again cleared the stored password.
- Scanning for networks and then selecting one could be undone by the automatic page refresh while typing.

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### v3.0.1 — 07/08/2026

#### New

- **Duty class:** overload is now recorded as a duty class event.

- **Duty class:** a report of the current duty class counters and events can be printed.

#### Changed

- **Duty class:** the Clear button on the event log is only shown when logged in.
- **Service:** in the moved load counter, "Deposit" is renamed to "Empty hook". A cycle is counted only when the load has risen above and returned below the empty-hook value.

#### Fixed

- **Service:** counters are refreshed when the moved load is reset, so Average moved load and Cycles are shown correctly.

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### v3.0.0 — 29/06/2026

Firmware v3.0.0 is a major release. Its headline additions are a new Duty class monitoring feature and a fully modernised web interface. It also adds publishing of I/O data over MQTT, file management from the File system page, editable service values, and several stability and bug fixes.

#### New

**Duty class monitoring**

- New Duty class tab: monitors each hoist against its sold duty class.
- The sold duty class can be set from M3 to M8 (FEM/ISO mechanism classes).
- Detection of the number of starts per hour.
- The I/O for the Duty class can be assigned directly from the Duty class tab.
- A second duty class and SWP counter can be added from the web interface, for installations with two hoists.
- The current SWP hours are editable on the Duty class tab.

**Connectivity**

- **MQTT:** I/O data can now be published over MQTT, with an enable/disable button in the Network menu.
- **Network:** the SSID can now be changed. The crane name is used as a custom part of the SSID.
- **CAN:** the controller now detects the CAN ID of a connected load cell automatically. Analog variables 4–6 for i-C4C GO data have been added to the CAN

menu.

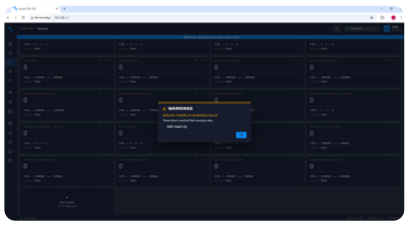
### Files and service

- **File system:** files can be uploaded to and deleted from the file system when logged in.
- **Service:** the current value of a service counter is now editable when logged in. The number of supported service parameters is increased to 30, and a service report can be printed as pdf or CSV file.

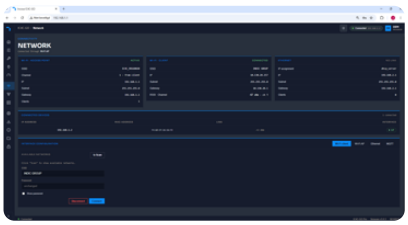
### Redesigned web interface

The web interface was modernised throughout v3.0.0:

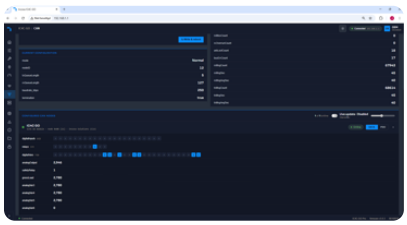
- New navigation menu and new login screen.
- New layouts for the CAN, I/O, Service (with warnings), Network, Flash parameters, Firmware, Task monitor and Device info pages.
- New confirm and pop-up messages in the same style as the service warnings, and an updated dark/light mode tooltip.
- Updated scroll-bar styling to match the new design.



Service tab



Network tab



CAN tab

#### Changed

- Safe Working Period (SWP) now counts up instead of down. See Before you update.
- The SWP end value can no longer be changed from the Service panel, and the SWP settings are hidden in the Setup menu. SWP is now configured from the Duty class tab.
- The current SWP hours are editable on the Duty class tab and read-only on the Service tab.
- A firmware update is no longer rolled back after it has been confirmed working.
- Improved stability under sustained high load.
- Load-cell parameters are read at most once per second.

#### Fixed

- The automatic gain calculation was incorrect when working in lbs.
- The setup page could load duplicate parameters.

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### Known issues

No known issues at the time of release.