

Invision — Firmware release notes v1.0.0

Applies to: Invision display

Before you update

Read this section before updating an installed display. v1.0.0 changes how the display stores its settings, and an update that skips a step will leave the display without its configuration.

Minimum previous firmware	v0.0.0
Configuration and parameters	Do not migrate. Note them down before updating
Downgrade to v0.x.x	Possible, but not advised

Write down the display's settings before you start. v1.0.0 stores its settings in a new format and does not convert the old ones. Note the configured devices and the application settings, and enter them again after the update. This applies to every display that has been configured on site.

After the update the display looks like a new one. Its device list and application settings are empty. This is the expected result of the point above, not a fault, and the settings can simply be entered again.

The update must include the web interface files. Updating only the firmware is not enough for this version. Use the complete update procedure, or ask your supplier for it — a display that receives only the firmware will start without any settings and cannot be configured until the rest of the update is applied.

The Setup page has been replaced. The device list and the application settings that were on the Setup page are now on the Home page. The Setup menu item is gone.

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.

The Wi-Fi network name is unchanged, but can now be edited. The prefix INV_ remains and the suffix is still the serial number, so a display that is not touched keeps the network name it had. The suffix can now be changed under Network.

The display reports the official CANopen vendor ID. If a PLC or control system on the CAN bus is configured with the previous vendor ID, it has to be updated for this display. Incosa devices on the bus are recognised with either vendor ID, so a mix of updated and non-updated devices is not a problem.

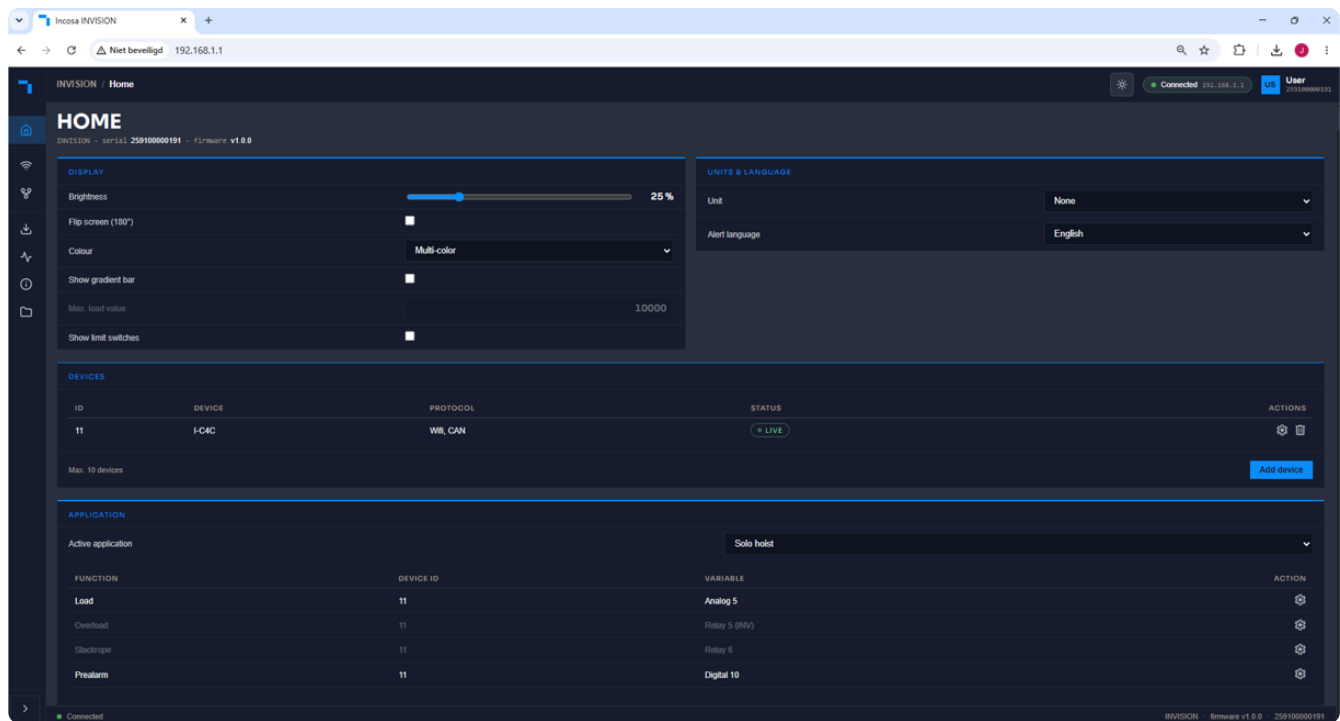
v1.0.0 — 31/08/2026

v1.0.0 is the first 1.x release. It replaces the web interface with the same design used on the i-C4C GO, opens the CAN menu with live data from the connected devices, lets the operator choose the Wi-Fi access point channel and bandwidth, and fixes a number of faults that made the web interface unreliable after the display had been running for a while.

New

Web interface

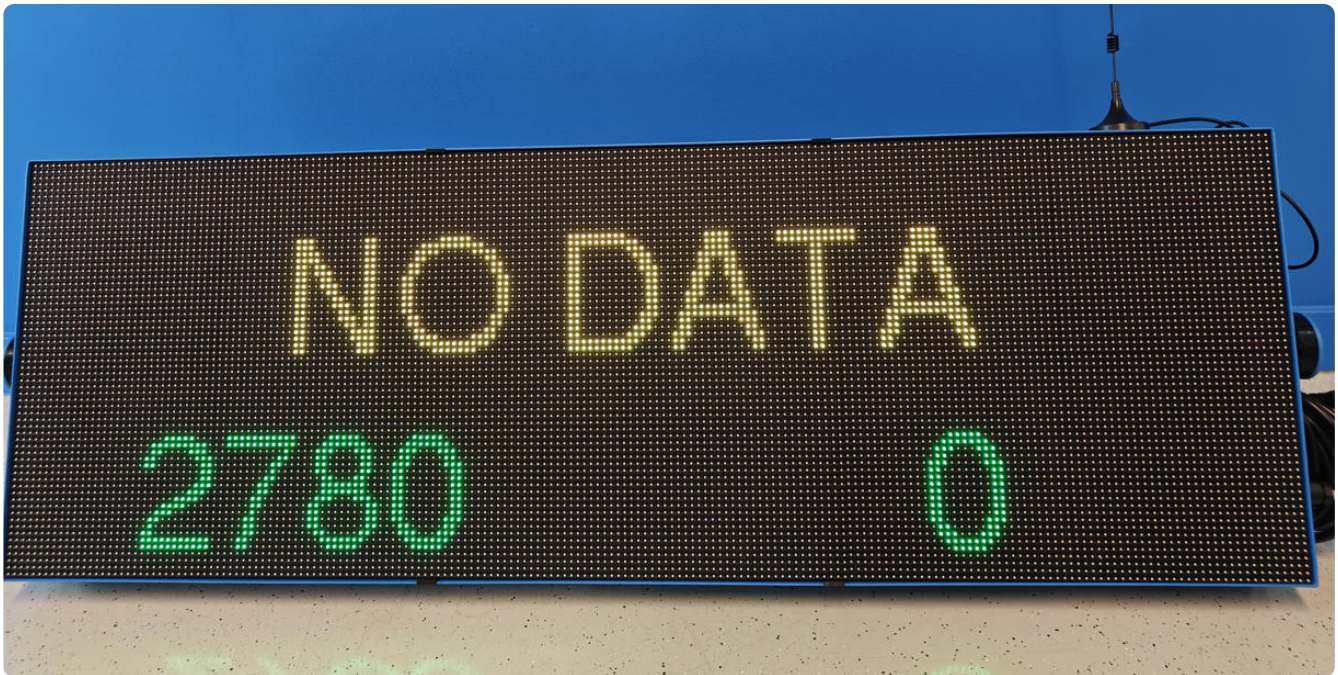
- A completely new web interface: new navigation menu, new login screen, and new layouts for the Home, Network, CAN bus, Firmware, Task monitor, Device info and File system pages.
- A light and a dark theme, selectable from the top bar. The choice is remembered.
- The interface adapts to the screen, so it can be used from a phone or tablet on site as well as from a laptop.
- Confirmation and warning messages are shown in the style of the interface instead of as browser pop-ups.



Home page - Showing the device list with the Live / No data column.

Devices and display

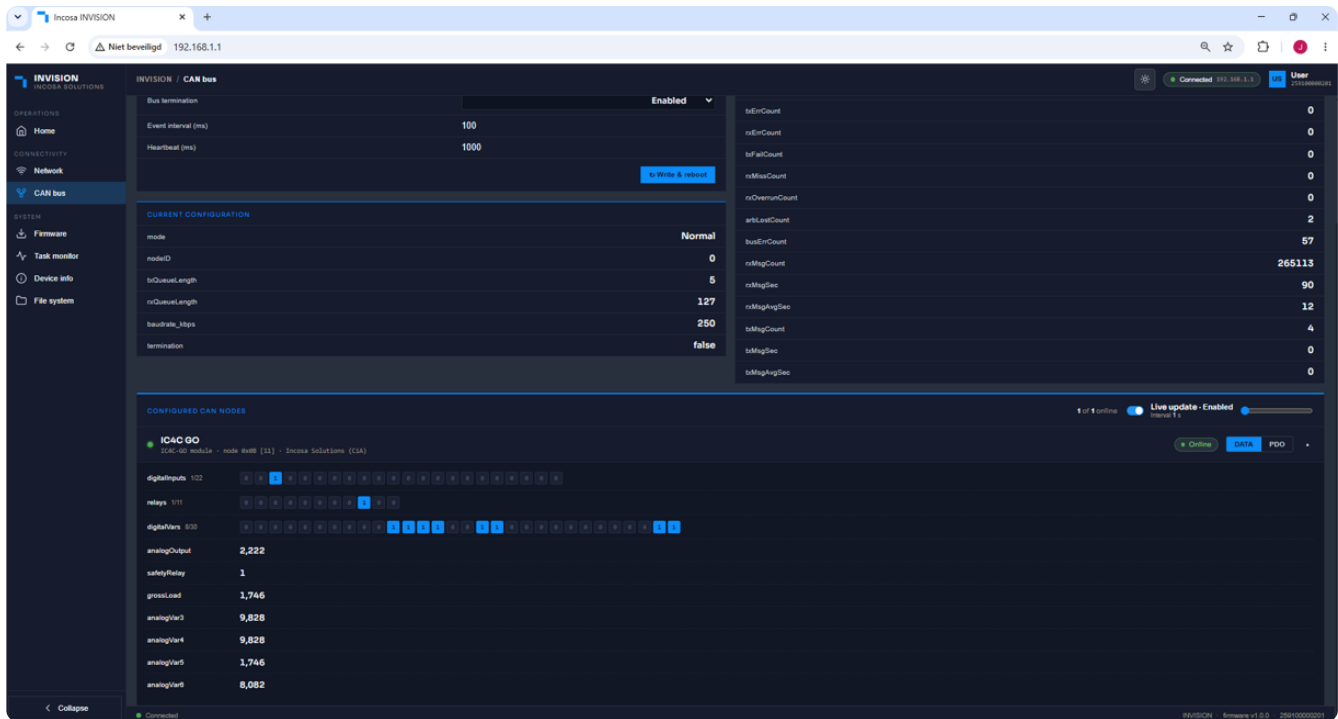
- The device list shows, per configured device, whether data is actually being received: **Live** or **No data**.
- When a device stops sending, the display no longer keeps showing that device's last known load. A message is shown in its place, so a value that is standing still can be told apart from a load that is no longer being measured. See [Known issues](#) for what this does not cover.



Display panel showing the no-data message in one of the load slots.

CAN bus

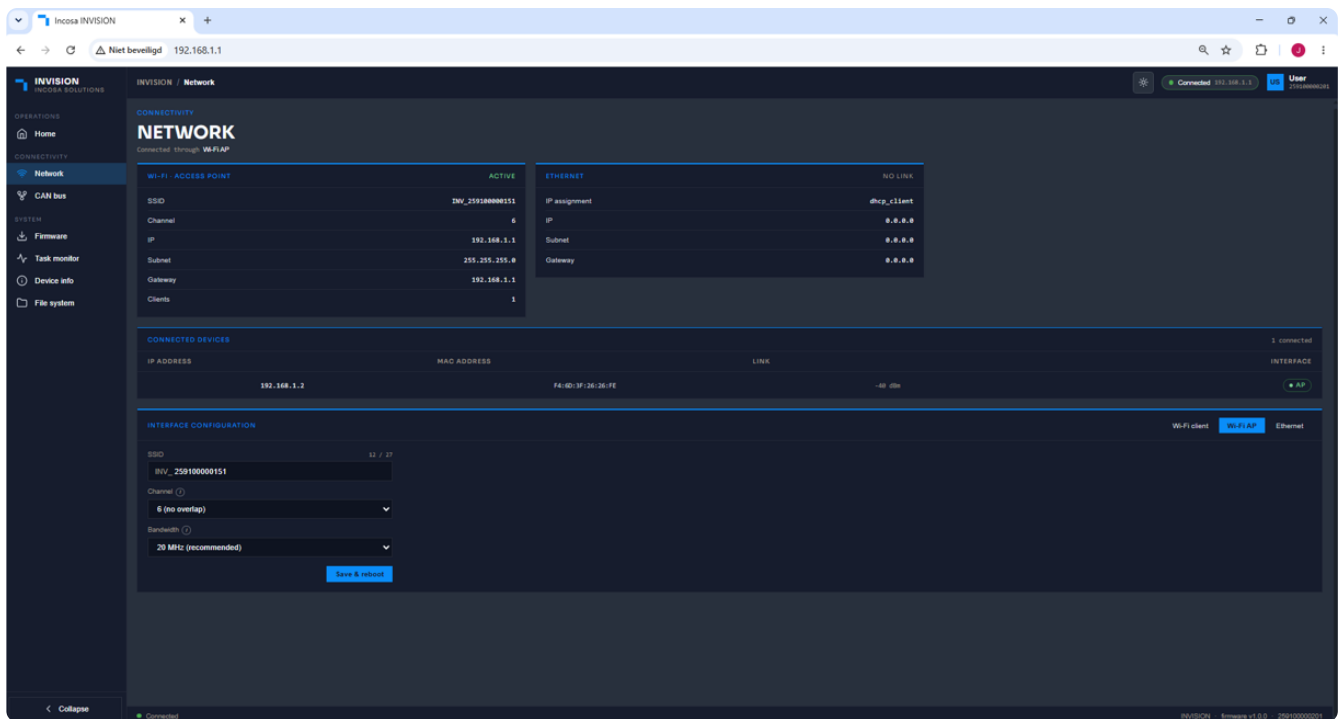
- The CAN menu is now available. It shows the connected nodes with their state, and the live data coming from each one.
- The CAN baud rate and the end-of-line termination can be set from the CAN menu, and match the setting actually used by the hardware.
- Analog variables 3 to 6 are now available in the mapped data. They were already being received but were not shown.
- The display reports the CANopen vendor ID officially registered with CiA. The node list shows which vendor ID each connected Incosa device reported, so an updated and a non-updated device can be told apart. See [Before you update](#).



CAN bus page - node list expanded with live data.

Network

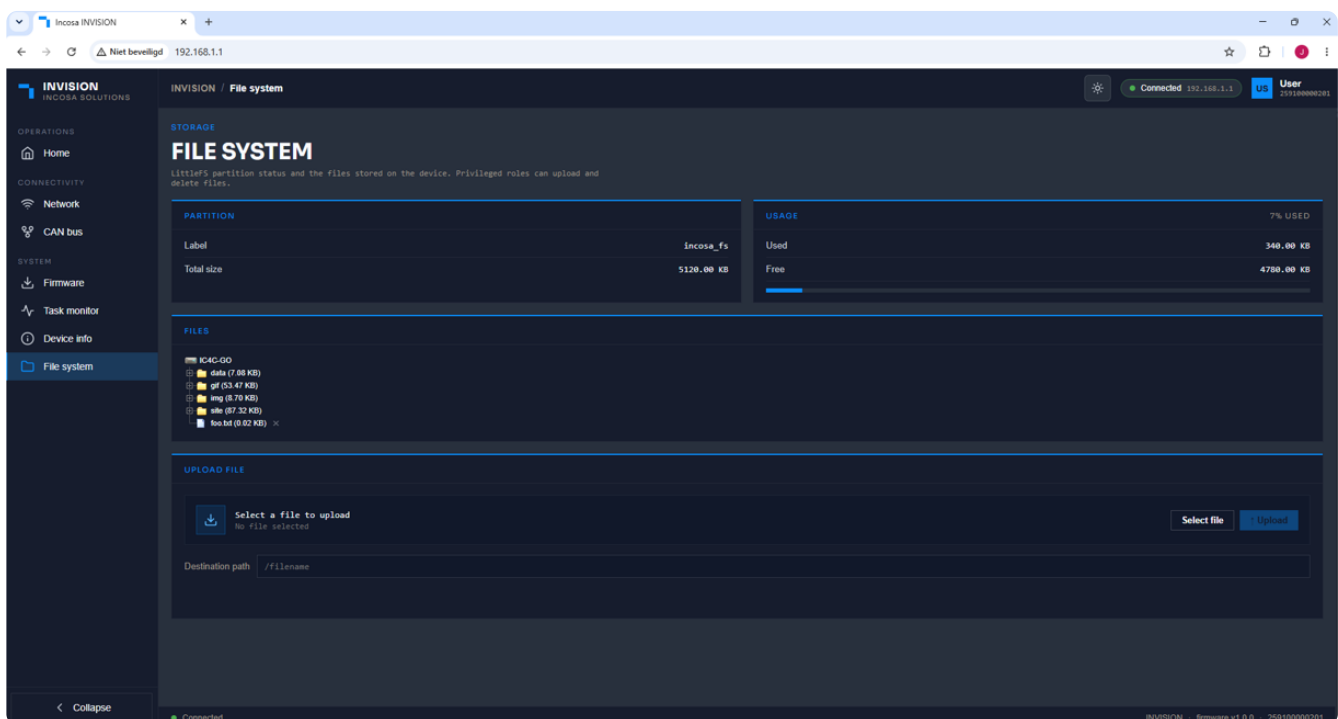
- The channel of the Wi-Fi access point can be selected, from 1 to 11. Channels 1, 6 and 11 are marked in the list — they are the only channels that do not overlap, and are the best choice on a busy site.
- The bandwidth of the Wi-Fi access point can be set to 20 or 40 MHz.
- The access point card shows the channel the display is actually using. The display 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.
- The name of the Wi-Fi access point can be changed. The prefix `INV_` stays; the part after it can be chosen freely.
- A list of nearby networks with their signal strength, a table of the devices connected to the display, and buttons to connect to and disconnect from a network.



Network page - showing the access point channel and bandwidth selection.

Files and device information

- **File system:** files can be uploaded to and deleted from the display when logged in.
- **Device info:** split into Identity, Hardware, Firmware, Build and Partitions cards, and now also shows the network name and the flash size.



File system page - with the upload area.

Changed

- **Network:** the Wi-Fi access point now uses 20 MHz by default instead of 40 MHz. See [Before you update](#).
- **Settings:** the display stores its settings in a new format. Settings from an earlier version are not taken over. See [Before you update](#).
- **Home:** the device list and the application settings have moved here from the Setup page, and the Setup menu item has been removed.
- **Task monitor:** the page refreshes every 3 seconds instead of every second.
- The pages load faster, because the interface is only downloaded again when it has actually changed.

Fixed

- The web interface could stop accepting new connections after the display had been running for a longer period. A page that was already open kept working, while a new page or a new device could not connect at all. This looked like a poor Wi-Fi connection but was not.
- Opening the File system page could restart the display.
- A firmware update was rolled back to the previous version even after it had been confirmed working.
- The display kept showing the last known load of a device that had stopped sending data.
- Saving a Wi-Fi network connection reset a customised access point name back to the default.
- Scrolling text on the display could stutter or briefly stand still.
- The display could become slow when several icons were shown at the same time.

Known issues

- **Overload and slack rope warnings are not covered by the no-data message.** When a device stops sending data, the load value on the display is replaced by a message, but the overload and slack rope indications continue to be shown from the last received data. Treat these warnings as valid only for a device that is shown as **Live**.
- **All displays use Wi-Fi channel 1 by default.** On a site with several displays, set a different channel per display under Network — see the note on channels 1, 6 and 11 above.

- **Wi-Fi channels 12 and 13 cannot be selected.** The selection stops at channel 11.