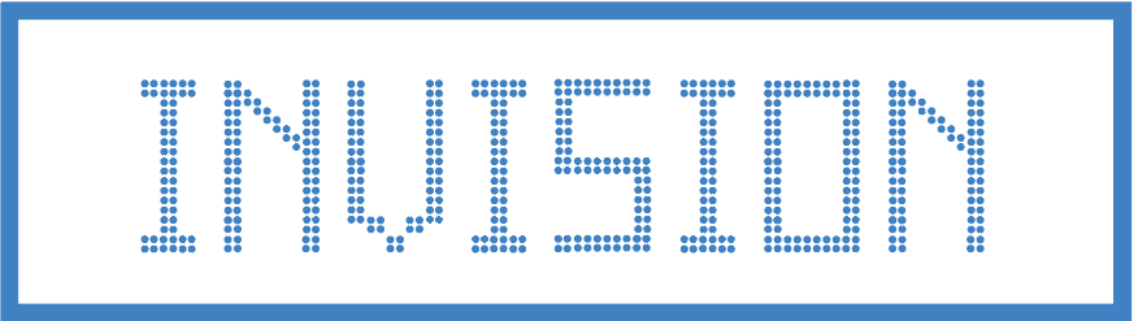


Manual

inVision

2026

Firmware version: 1.0.0



INVISION

Inhoud

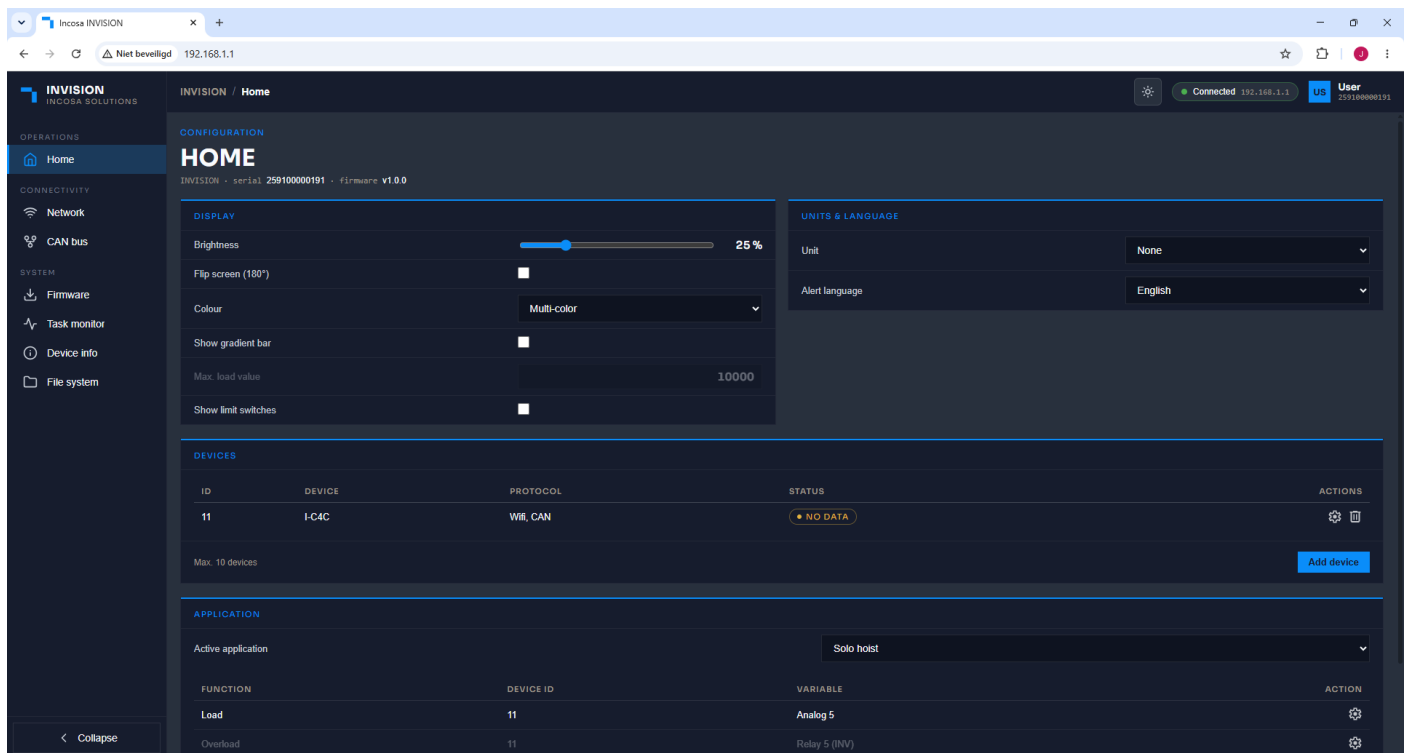
Connect to webpage.....	3
Menu	4
Dark/Light mode.....	5
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Flip screen (180°).....	6
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Solo hoist	12
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Connect to webpage

1. Connect to the Wi-Fi network of the **inVision** display:
 - a. The network name consists of "INV_" + "**Serial number**"
 - b. Contact your supplier for the password



2. Open an webpage and go to **192.168.1.1**

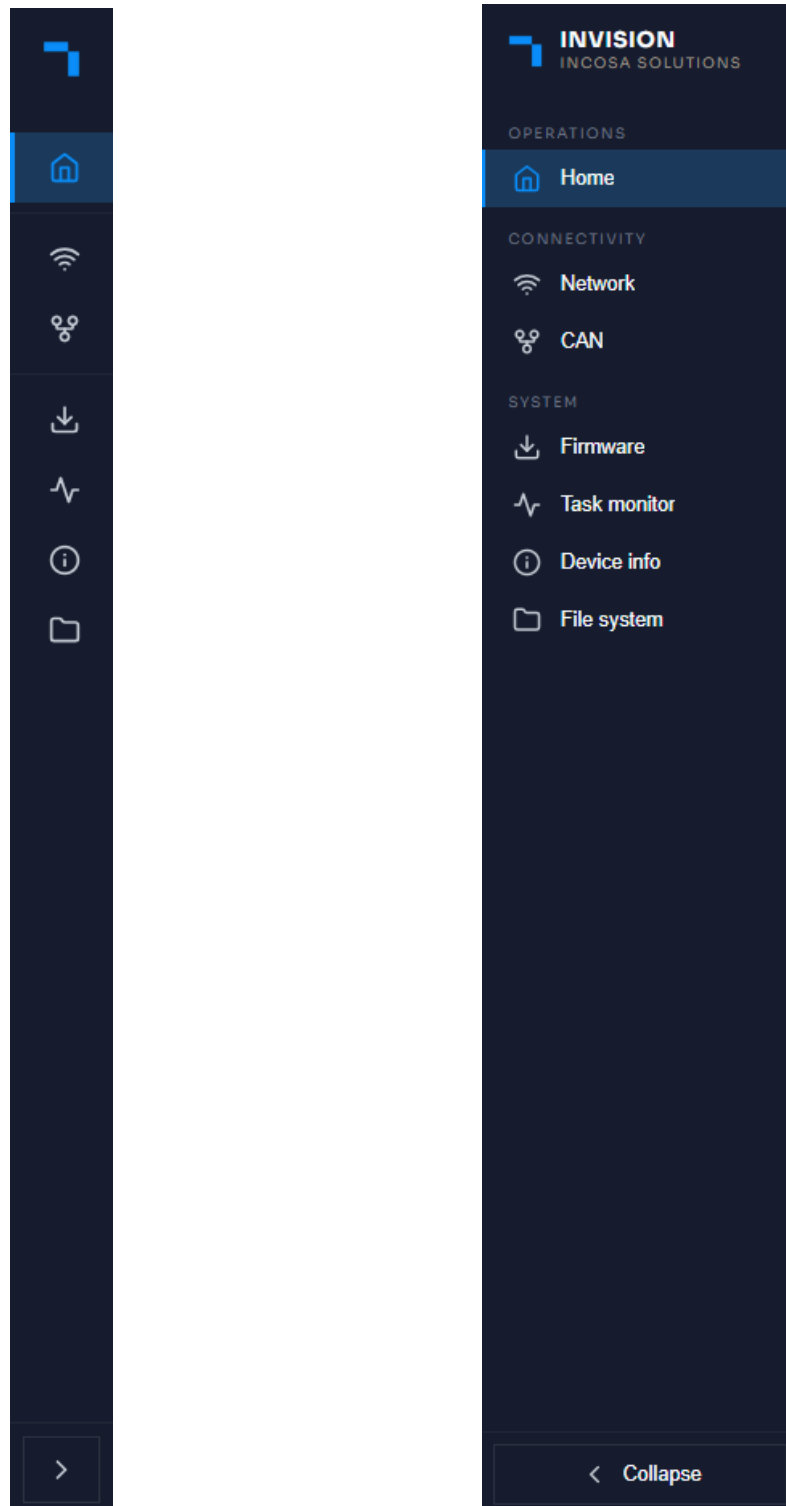


Remark

The suffix of the network name can be changed on the Network page. The name always keeps the prefix "INV_".

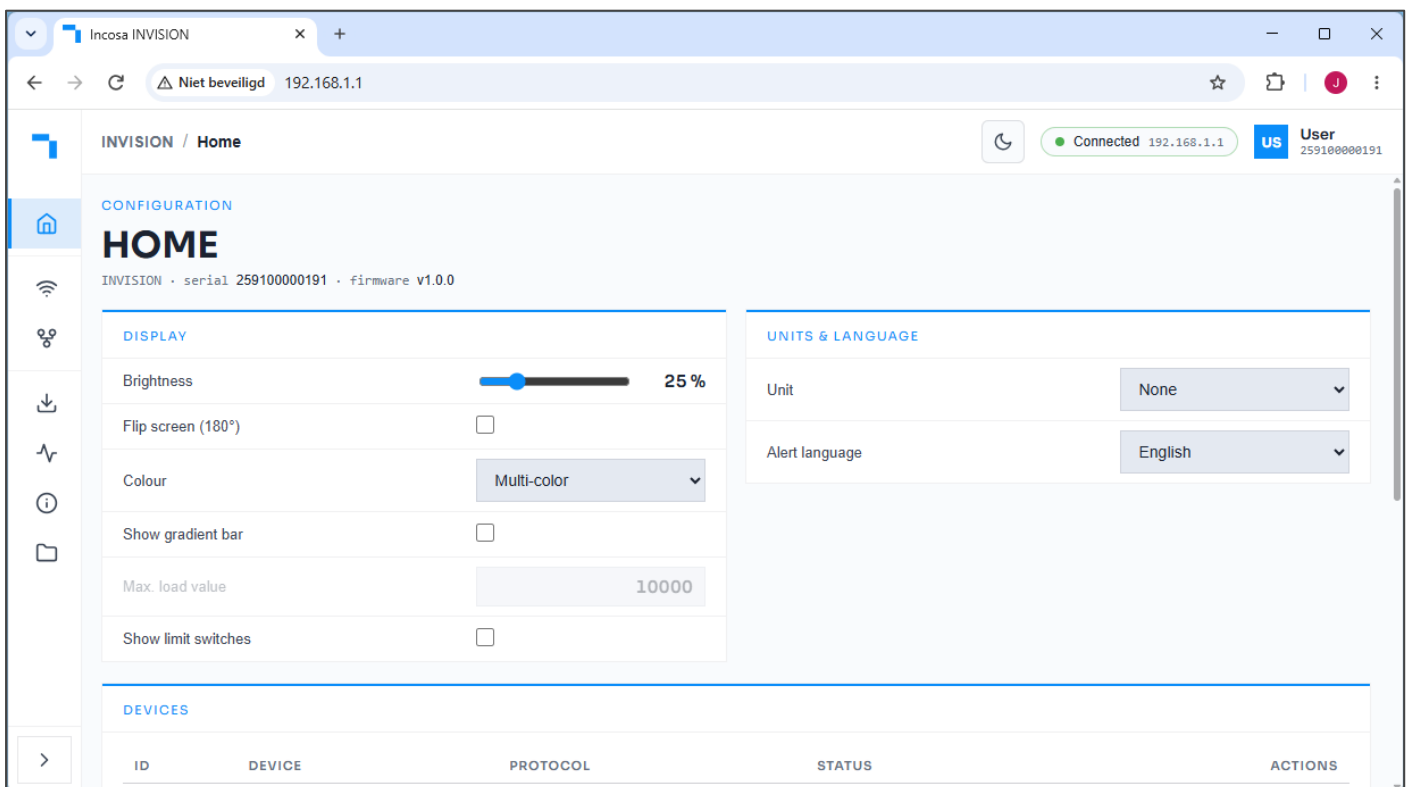
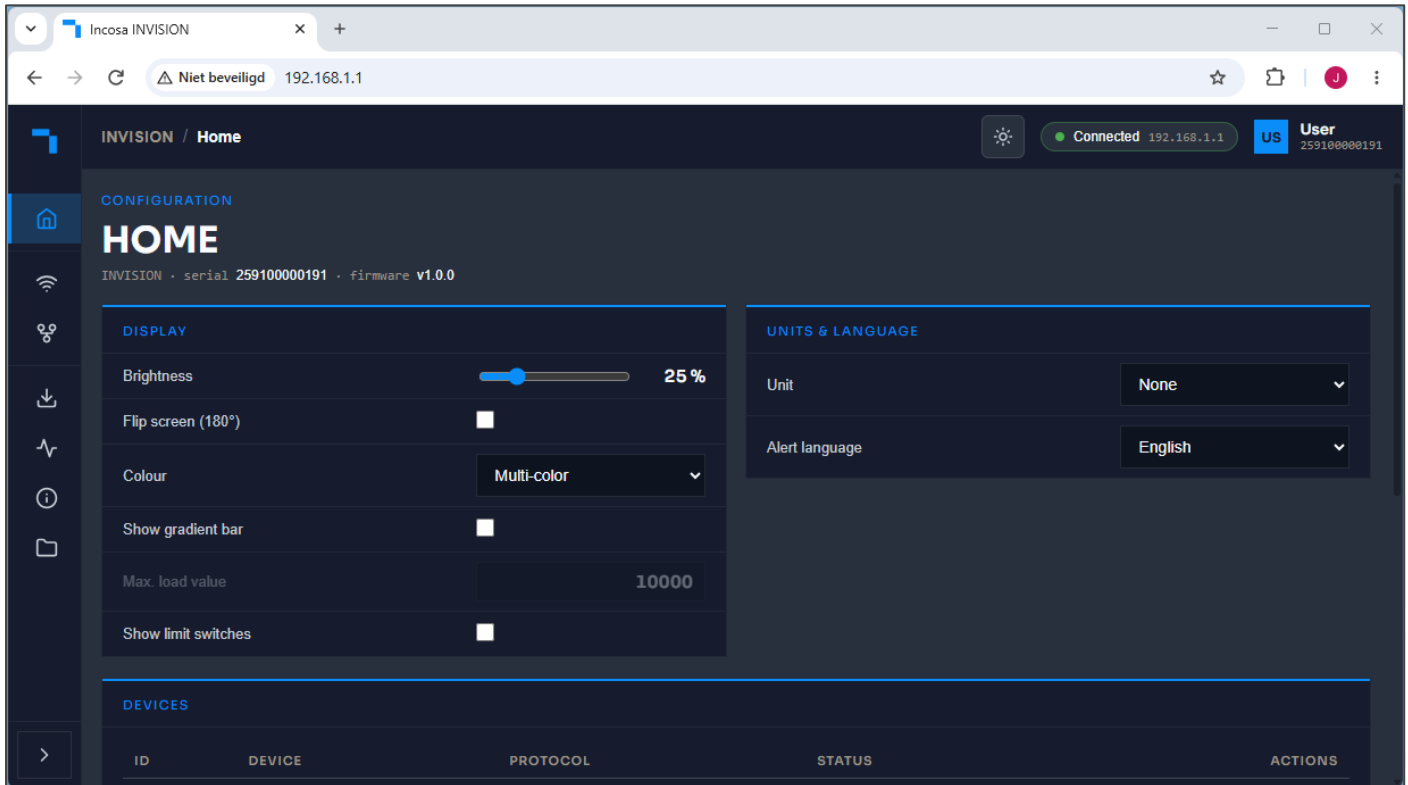
Menu

The web interface was redesigned in firmware v1.0.0. The menu on the left is now grouped into three sections. "Operations" contains the Home page. "Connectivity" contains Network (with separate tabs for Wi-Fi client, Wi-Fi access point and Ethernet) and CAN page. "System" contains Firmware, Task monitor, Device info and File system.



Dark/Light mode

On the top bar it is possible to swap between dark (moon-icon) and light (sun-icon) mode on the webpage. By default the webpage is loaded in dark mode.



General Settings

CONFIGURATION

HOME

INVISION · serial 259100000191 · firmware v1.0.0

DISPLAY

Brightness

25 %

Flip screen (180°)

☐

Colour

Multi-color

Show gradient bar

☐

Max. load value

10000

Show limit switches

☐

UNITS & LANGUAGE

Unit

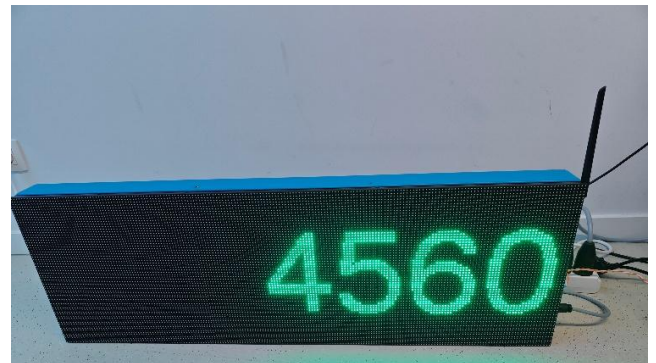
None

Alert language

English

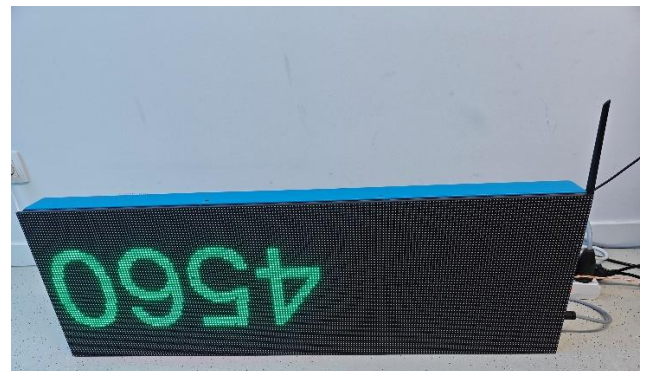
Brightness

Move the slider to increase/decrease the brightness of the LEDs.



Flip screen (180°)

Activate/deactivate the selection box to flip the content on the display 180°. This can be useful whenever a display, for practical reasons, needs to be mounted upside down.



Unit

Use the dropdown menu to display the unit next to the load. It does not convert the load to the unit. It only adds the reference next to the load.

UNITS & LANGUAGE	
Unit	None ▾
Alert language	None
	kg
	lbs
	T

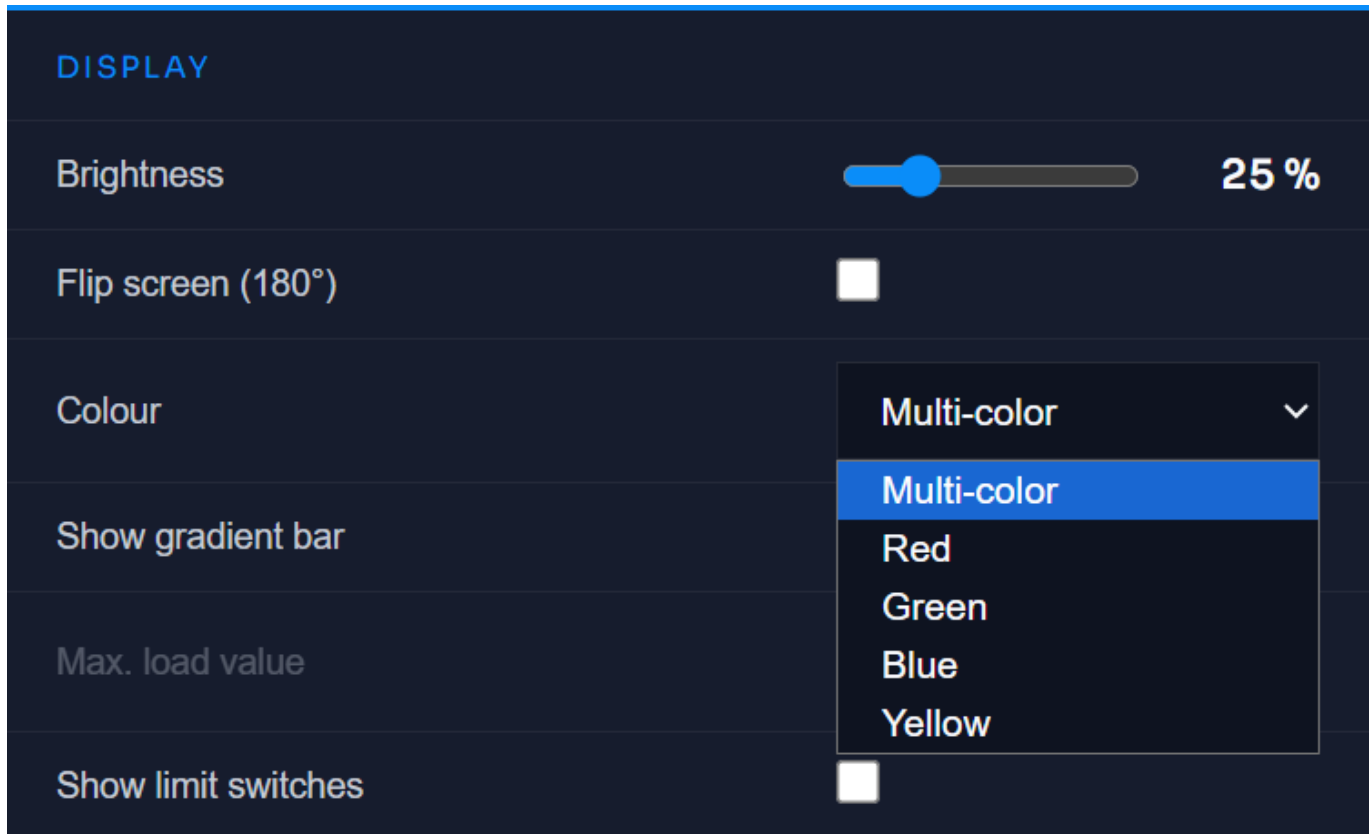


Color

The **inVision** display uses by default multi-color to show different states:

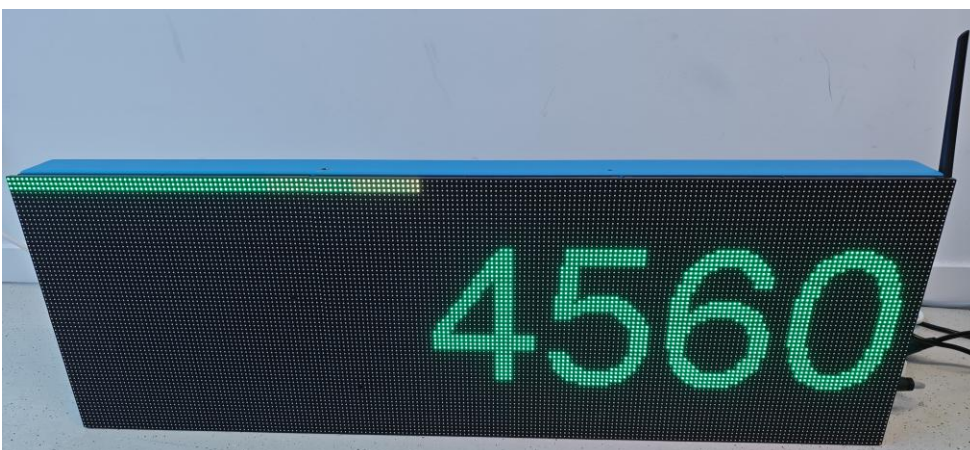
- Yellow: Slackrope / prealarm
- Green: Normal
- Red: Overload

By changing this menu to a specific color, the load will be handled in that color only.



Show Gradient bar

Add a gradient bar on top of the screen. The max load value, scales the gradient bar depending on the lifted load. E.g. If the max load value is set to 10000, the gradient bar will be full when 10000 load is shown on the display.



Show Limit switches

Show/hide the limit switch states for hoist, trolley and crane movement. The limit switches are represented by multi-color arrows:

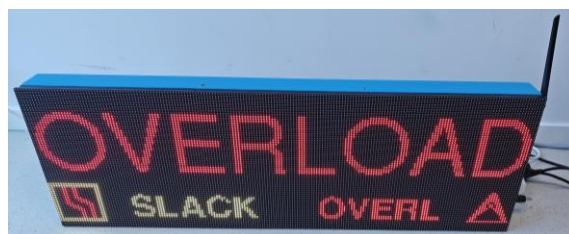
- Blue: both speeds enabled
- Yellow: high speed disabled
- Red: both speeds disabled



Alert language

In this drop down menu the alert languages can be chosen. When slackrope or overload occurs it is represented in the chosen language:

Language	Solo		Dual - Hoists		Dual - Sum
Deutsch (German)	SCHLAFF SEIL	UBERLAST	SCHLAFF	UBERL	UBERLAST
English	SLACKROPE	OVERLOAD	SLACK	OVERL	OVERLOAD
Español (Spanish)	CABLE FLOJO	SOBRECARGA	FLOJO	CARGA	SO.CARGA
Français (French)	CABLE MOU	SURCHARGE	MOU	SURCH	SURCHRG
Nederlands (Dutch)	SLAP KABEL	OVERLAST	SLAP	OVERL	OVERLAST
Português (Portuguese)	CABOFROUXO	SOBRECARGA	FROUXO	CARGA	SO.CARGA



Configuration Settings

This menu is divided in to tables, a device table and an application table. The device table contains all the devices that will provide data to the display, and the way these device communicate with the **inVision** display. Each device has a unique identifier (e.g. CAN id).

DEVICES				
ID	DEVICE	PROTOCOL	STATUS	ACTIONS
11	I-C4C	Wifi, CAN	● NO DATA	 
Max. 10 devices				Add device

APPLICATION				
Active application		Solo hoist		
FUNCTION	DEVICE ID	VARIABLE	ACTION	
Load	11	Analog 5		
Overload	11	Relay 5 (INV)		
Slackrope	11	Relay 6		
Prealarm	11	Relay 7		

Modify Device

Select the gear-icon next to the device. Change the device type using the dropdown menu. Choose the required data protocol(s) through which it will communicate. Click on **Save** to confirm your new settings. You cannot modify the id of a device. Create a new device, if necessary. **Always cycle power after modifying existing devices.**

EDIT DEVICE

ID (1-255)

11

Device

I-C4C

Protocol

☒ Wifi ☒ CAN ☐ Ethernet

Cancel

Save

EDIT DEVICE

ID (1-255)

11

Device

I-C4C

Protocol

☐ Wifi ☐ CAN ☐ Ethernet

Cancel

Save

EDIT DEVICE

ID (1-255)

11

Device

I-C4C GO

Protocol

☐ Wifi ☐ CAN ☒ Ethernet

Cancel

Save

Add Device

Click on **Add Device** to create an additional device which will communicate with the **inVision** display. Select the unique (CAN) ID of the new device. Select the device type (I-C4C / I-C4C GO) and the protocol(s) it will use. **Remark:** ethernet is only available for the I-C4C GO Pro version. For communication through wifi/ethernet, the display might needs some additional settings. Look at the description of the **Network**-menu for more information.

ADD DEVICE

ID (1-255)

Device

I-C4C

Protocol

☐ Wifi ☐ CAN ☐ Ethernet

Cancel

Save

ADD DEVICE

ID (1-255)

Device

I-C4C GO

Protocol

☐ Wifi ☐ CAN ☒ Ethernet

ID already exists.

Cancel

Save

ADD DEVICE

ID (1-255)

Device

I-C4C GO

Protocol

☐ Wifi ☐ CAN ☒ Ethernet

Cancel

Save

Remove Device

If a device is no longer used, it can be removed using the recycle-Bin-icon next to the device. This can only be done if the device id is not used in the active application table. E.g. id 12 is in use for Overload.

DEVICES

ID	DEVICE	PROTOCOL	STATUS	ACTIONS
11	I-C4C	Wifi, CAN	NO DATA	
12	I-C4C GO	Ethernet	NO DATA	

Max. 10 devices

Add device

APPLICATION

Active application

Solo hoist

FUNCTION	DEVICE ID	VARIABLE	ACTION
Load	11	Analog 5	
Overload	12	Relay 5 (INV)	
Slackrope	11	Relay 6	
Prealarm	11	Relay 7	

Cannot delete device 12 because it is in use in the current application.

Connected

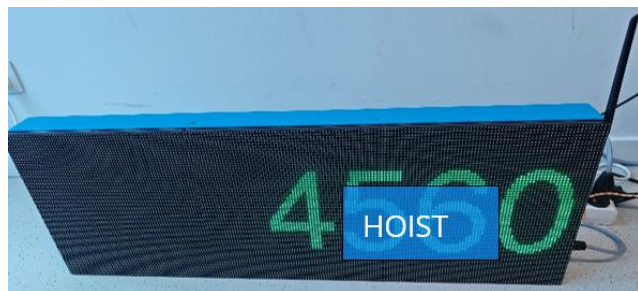
INVISION · firmware v1.0.0 · 259100000191

Select Application

Use the dropdown-menu to select the active application. At the moment that is **Solo hoist** (1 crane, 1 hoist) or **Dual hoist** (1 crane, 2 hoists). The solo hoist application can as well be used to represent load depending on the hoist selection. E.g. *Hoist 1 selected, load hoist 1 shown. Hoist 2 selected, load Hoist 2 shown. Hoist 1 + 2 selected, load sum shown.*

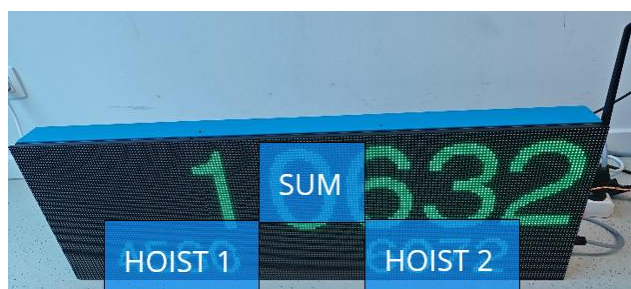
Solo hoist

APPLICATION			
Active application		Solo hoist	
FUNCTION	DEVICE ID	VARIABLE	ACTION
Load	11	Analog 5	
Overload	11	Relay 5 (INV)	
Slackrope	11	Relay 6	
Prealarm	11	Relay 7	



Dual hoist

APPLICATION			
Active application		Dual hoist	
FUNCTION	DEVICE ID	VARIABLE	ACTION
Load hoist 1	11	Analog 5	
Load hoist 2	11	Analog 6	
Load sum	11	Analog 3	
Overload hoist 1	11	Relay 6 (INV)	
Overload hoist 2	11	Relay 7 (INV)	
Overload sum	11	Relay 8 (INV)	
Slackrope hoist 1	11	Relay 2	
Slackrope hoist 2	11	Relay 4	
Prealarm hoist 1	11	Relay 9	
Prealarm hoist 2	11	Relay 10	
Prealarm sum	11	Relay 11	



Modify application parameters

Click on the gear-icon next to the parameter to modify the settings. Select the id of the device of which the data will be used. Select the analog variable for the load, or the digital variable, inputs and relays for overload, slackrope, prealarm and limit switch states. For load parameters, a decimal point can be set. Digital states can be inverted. **By default the digital states are disabled, so that the inVision only shows loads.**

- Analog application parameters: loads
 - Decimal point position
 - Enable/disable parameter
- Digital application parameters: overload, slackrope, prealarm, limitswitch states
 - Inverted state
 - Enable/disable parameter

EDIT FUNCTION

Device ID

11

▼

Variable

Analog 5

▼

Decimal point

0

Enabled

☒

Cancel

Save

EDIT FUNCTION

Device ID

12

▼

Variable

Relay 5

▼

Invert

☒

Enabled

☐

Cancel

Save

APPLICATION				
Active application		Solo hoist		
FUNCTION	DEVICE ID	VARIABLE		ACTION
Load	11	Analog 5		
Overload	12	Relay 5 (INV)		
Slackrope	11	Relay 6		
Prealarm	11	Relay 7		

Data loss

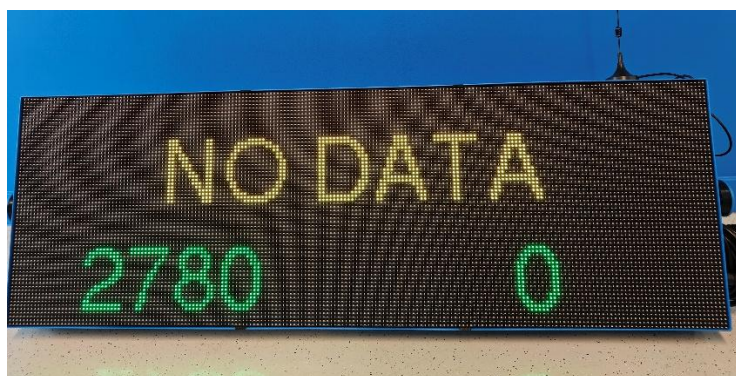
When multiple devices are connected to the **inVision** and a device stops sending data, the display no longer keeps showing that device's last known load. A message is shown in its place, so that a value which is standing still can be told apart from a load that is no longer being measured. The message is shown in the alert language selected on the Home page.

Language	Message
Deutsch (German)	KEINE DATEN
English	NO DATA
Español (Spanish)	SIN DATOS
Français (French)	PAS DE DONNEES
Nederlands (Dutch)	GEEN DATA
Português (Portuguese)	SEM DADOS

The same information is shown in the device table on the Home page: a device that is delivering data is marked Live, a device that is not is marked No data.

DEVICES				
ID	DEVICE	PROTOCOL	STATUS	ACTIONS
11	I-C4C	Wifi, CAN	LIVE	 
12	I-C4C GO	Ethernet	NO DATA	 

Max. 10 devices Add device



Remark

If only one device is connected to the **inVision**, and that device is no longer sending data, the bouncing INCOSA-logo is shown instead of the alert message.

Network

Go to the Network menu. The current network settings can be found on top. Right under the network settings, is a list with connected devices. These are the devices connected through the Access Point (AP). It is possible to rename the SSID, set the channel and bandwidth of its own AP.

The screenshot shows the INVISION Network settings page in a web browser. The browser's address bar shows the URL 192.168.1.1. The page has a dark theme and a sidebar on the left with icons for home, network, settings, and other functions. The main content area is titled 'NETWORK' and shows the current connection status as 'Connected' through a 'Wi-Fi AP'. Below this, there are two tables: one for 'WI-FI - ACCESS POINT' settings and another for 'ETHERNET' settings. The 'WI-FI - ACCESS POINT' table shows settings like SSID, Channel, IP, Subnet, Gateway, and Clients. The 'ETHERNET' table shows settings like IP assignment, IP, Subnet, and Gateway. Below these tables, there is a section for 'CONNECTED DEVICES' showing a list of connected devices with their IP addresses, MAC addresses, and link status. At the bottom, there is a section for 'INTERFACE CONFIGURATION' with tabs for 'Wi-Fi client', 'Wi-Fi AP', and 'Ethernet'. The 'Wi-Fi client' tab is selected, showing a 'Scan' button and input fields for SSID and Password, along with a 'Connect' button.

INVISION / Network

CONNECTED 192.168.1.1

US User 259100000191

CONNECTIVITY

NETWORK

Connected through Wi-Fi AP

WI-FI - ACCESS POINT	ACTIVE
SSID	INW_259100000191
Channel	1
IP	192.168.1.1
Subnet	255.255.255.0
Gateway	192.168.1.1
Clients	1

ETHERNET	NO LINK
IP assignment	dhcp_client
IP	0.0.0.0
Subnet	0.0.0.0
Gateway	0.0.0.0

CONNECTED DEVICES 1 connected

IP ADDRESS	MAC ADDRESS	LINK	INTERFACE
192.168.1.2	F4:6D:3F:26:26:FE	-58 dBm	AP

INTERFACE CONFIGURATION

Wi-Fi client Wi-Fi AP Ethernet

AVAILABLE NETWORKS

Click "Scan" to show available networks.

SSID

ssid

Password

password

Show password

Connect

Connected

INVISION - firmware v1.0.0 - 259100000191

Rename AP

Go to the Wi-Fi AP tab. By default the SSID is show as "INV_" + "serial number". You can rename the latter part to a custom name (e.g. CRANE102) or set a specific Wi-Fi channel.

INTERFACE CONFIGURATION

Wi-Fi client **Wi-Fi AP** Ethernet

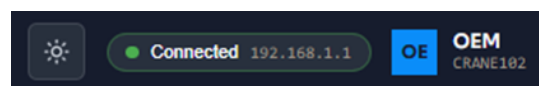
SSID 8 / 27
INV_CRANE102

Channel ⓘ
6 (no overlap) ▼

Bandwidth ⓘ
20 MHz (recommended) ▼

Save & reboot

After reboot, the new network name will be visible on your device. Connect to the new SSID and fill in your password. Reopen the webpage of the **inVision**. The new SSID suffix is also shown as a device name on the top bar.



WI-FI · ACCESS POINT		ACTIVE
SSID	INV_CRANE102	
Channel	6	
IP	192.168.1.1	
Subnet	255.255.255.0	
Gateway	192.168.1.1	
Clients	1	

Remark

It is recommended to set the Bandwidth to 20MHz, which ensures a stable wireless connection with less chance of interference from other networks.

Connect to device through Wi-Fi

1. Scroll down to the INTERFACE CONFIGURATION
2. Under Wi-Fi: Client Mode, Click on **Scan**
3. Click on **Copy SSID** next to the network you would like to link
4. Enter the **password** for the I-C4C network
5. Click on **Connect** to link the **inVision** through Wifi with the device

The screenshot shows the INVISION web interface in a browser window. The address bar displays '192.168.1.1'. The left sidebar contains navigation menus for OPERATIONS (Home), CONNECTIVITY (Network, CAN), and SYSTEM (Firmware, Task monitor, Device info, File system). The main content area is titled 'INVISION / Network' and shows network status: Subnet 255.255.255.0, Gateway 192.168.1.1, and 1 Client. Below this, a 'CONNECTED DEVICES' table lists one device with IP 192.168.1.2, MAC F4:6D:3F:26:26:FE, and interface AP. The 'INTERFACE CONFIGURATION' section has tabs for 'Wi-Fi client' (selected), 'Wi-Fi AP', and 'Ethernet'. Under 'AVAILABLE NETWORKS', a list of detected Wi-Fi networks is shown, including 'IC4C_97386291' with a signal strength of -48 dBm and WPA_WPA2_PSK security. Below the list, the SSID 'IC4C_97386291' and a password field are entered. A 'Show password' checkbox and a 'Connect' button are also visible. The bottom status bar indicates 'Connected' and shows the firmware version 'v1.0.0' and device ID '259100000191'.

6. The link with the I-C4C can be checked by reopening the network menu under WiFi - CLIENT

WI-FI - ACCESS POINT	ACTIVE	WI-FI - CLIENT	CONNECTED	ETHERNET	NO LINK
SSID	INV_259100000191	SSID	IC4C_97386291	IP assignment	dhcp_client
Channel	1 - from client	IP	192.168.1.2	IP	0.0.0.0
IP	192.168.1.1	Subnet	255.255.255.0	Subnet	0.0.0.0
Subnet	255.255.255.0	Gateway	192.168.1.1	Gateway	0.0.0.0
Gateway	192.168.1.1	RSSI - Channel	-48 dBm - ch 1		
Clients	1				

7. If everything was setup correctly the device status on the home screen is changed from NO DATA to LIVE

DEVICES					
ID	DEVICE	PROTOCOL	STATUS	ACTIONS	
11	I-C4C	Wifi, CAN	LIVE		
12	I-C4C GO	Ethernet	NO DATA		
Max. 10 devices					Add device

Connect to device through Ethernet

The **inVision** is by default setup as an Ethernet DHCP client. This means that it by default works fine if it is connected by Ethernet cable to a DHCP server. However, if needed it can be setup as a client with a static IP address.

DHCP-client

Under INTERFACE CONFIGURATION, set Ethernet to **DHCP (Client)** (Default setting). Connect an Ethernet cable to the DHCP server (I-C4C GO Pro). Refresh your window and look for the connection under Ethernet.

INTERFACE CONFIGURATION					
			Wi-Fi client	Wi-Fi AP	Ethernet
IP assignment					
DHCP (Client)					
Save					

WI-FI - ACCESS POINT	ACTIVE	WI-FI - CLIENT	CONNECTED	ETHERNET	CONNECTED
SSID	INV_259100000191	SSID	IC4C_97386291	IP assignment	dhcp_client
Channel	1 - from client	IP	192.168.1.2	IP	192.168.2.100
IP	192.168.1.1	Subnet	255.255.255.0	Subnet	255.255.255.0
Subnet	255.255.255.0	Gateway	192.168.1.1	Gateway	192.168.2.1
Gateway	192.168.1.1	RSSI - Channel	-54 dBm - ch 1		
Clients	1				

Static-client

Under INTERFACE – CONFIGURATION, set Ethernet to **Static**. Set a unique IP-address, the subnetmask and the gateway in the same range as the other devices within the network. Connect an Ethernet cable to the network (I-C4C GO Pro). Refresh your window and look for the connection under INTERFACE – STATUS.

INTERFACE CONFIGURATION

Wi-Fi clientWi-Fi APEthernet

IP assignment

Static

IP address

192.168.2.20

Subnet mask

255.255.255.0

Gateway

192.168.2.1

Save

WI-FI - ACCESS POINTACTIVE

SSID	INV_259100000191
Channel	1 • from client
IP	192.168.1.1
Subnet	255.255.255.0
Gateway	192.168.1.1
Clients	1

WI-FI - CLIENTCONNECTED

SSID	IC4C_97386291
IP	192.168.1.2
Subnet	255.255.255.0
Gateway	192.168.1.1
RSSI • Channel	-58 dBm • ch 1

ETHERNETCONNECTED

IP assignment	static
IP	192.168.2.20
Subnet	255.255.255.0
Gateway	192.168.2.1

Connect to device through CAN

The **inVision** is a passive CANOpen device. This means that it does not send CAN-data except for an initial handshake to check the vendor and product id. If a device is setup to communicate through CAN at a 250kb/s baud rate, it will work as long as it is selected in the device table. If necessary some settings can be modified in the CAN menu.

This menu contains settings to enable/disable CAN-communication, set the baudrate and bus termination. It is possible to look at live CAN-data from connected CAN-devices. These CAN-devices need to be defined in your device table.

The screenshot shows the InVision web interface for an INCOSA SOLUTIONS device. The browser address bar shows '192.168.1.1'. The interface has a dark theme and a sidebar on the left with navigation options: Home, Network, CAN (selected), Firmware, Task monitor, Device info, and File system. The main content area is titled 'INVISION / CAN' and 'INDUSTRIAL BUS CAN'. It contains a 'CONFIGURATION' section with settings for CAN Master switch (Enabled), Baud rate (250 kbit/s), Bus termination (Enabled), Event interval (100 ms), and Heartbeat (1000 ms). A 'Write & reboot' button is present. Below this is a 'CURRENT CONFIGURATION' table showing mode (Normal), nodeID (0), txQueueLength (5), rxQueueLength (127), baudrate_kbps (250), and termination (false). To the right is a 'LIVE STATUS' table with various counters. At the bottom, there is a 'CONFIGURED CAN NODES' section showing one online node: 'IC4C GO' (IC4C-GO module - node 0x00 [11] - Incosa Solutions (CIA)). A 'Live update' toggle is set to 'Disabled' with a 5s interval. The bottom status bar shows 'INVISION - firmware v1.0.0 - 259100000191'.

state	Running
txQueue	0
rxQueue	0
txErrCount	0
rxErrCount	0
txFailCount	0
rxMissCount	0
rxOverrunCount	0
arbLostCount	4
busErrCount	0
rxMsgCount	13513
rxMsgSec	90
rxMsgAvgSec	81
txMsgCount	4
txMsgSec	0
txMsgAvgSec	0

Node Name	Status
IC4C GO	Online



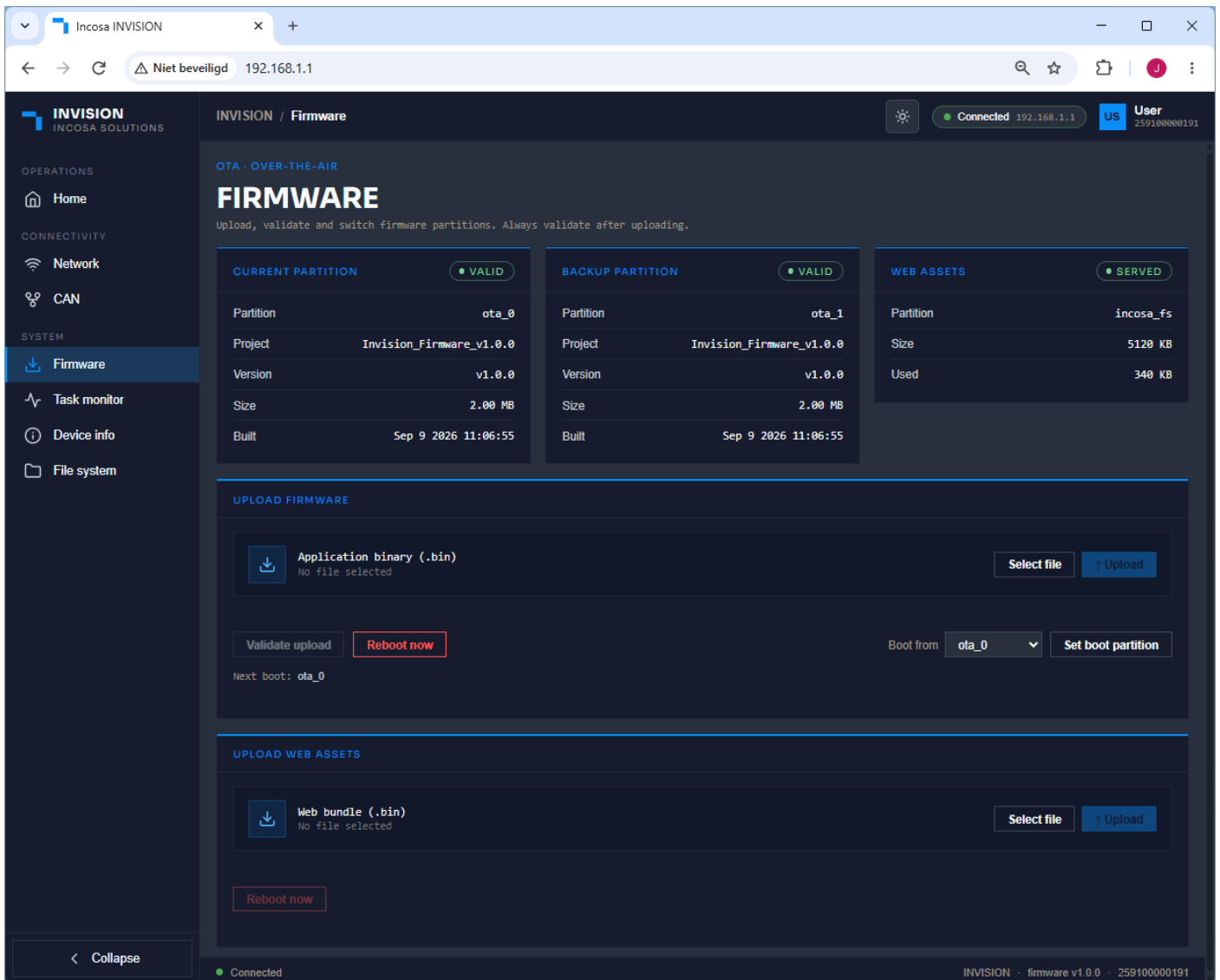
Firmware

In the firmware menu, new firmware can be uploaded to the **inVision**. The display has two boot partitions. The new firmware will be uploaded to the inactive partition.

The active partition and the boot partition are displayed. You can change the boot partition to force the **inVision** to start with a different configuration already present in the other partition.

Warning

All action in this menu have large implication on the current behaviour of the **inVision**, therefore they should be controlled by qualified personnel.



The screenshot shows the 'Firmware' management interface of the InVision device. The interface is divided into several sections:

- Header:** Shows 'INVISION / Firmware' and a status bar with 'Connected 192.168.1.1' and 'User 259100000191'.
- Left Sidebar:** Contains navigation links for 'Home', 'Network', 'CAN', 'Firmware' (selected), 'Task monitor', 'Device info', and 'File system'.
- Main Content Area:**
 - FIRMWARE:** A section with the instruction 'Upload, validate and switch firmware partitions. Always validate after uploading.' It contains three panels:
 - CURRENT PARTITION (VALID):** Partition: ota_0, Project: Invision_Firmware_v1.0.0, Version: v1.0.0, Size: 2.00 MB, Built: Sep 9 2026 11:06:55.
 - BACKUP PARTITION (VALID):** Partition: ota_1, Project: Invision_Firmware_v1.0.0, Version: v1.0.0, Size: 2.00 MB, Built: Sep 9 2026 11:06:55.
 - WEB ASSETS (SERVED):** Partition: incosa_fs, Size: 5120 KB, Used: 340 KB.
 - UPLOAD FIRMWARE:** A section for uploading a new firmware binary. It includes a file selection area for 'Application binary (.bin)' (No file selected), a 'Select file' button, and an 'Upload' button. Below this are buttons for 'Validate upload' and 'Reboot now'. A dropdown menu shows 'Boot from ota_0' and a 'Set boot partition' button. The text 'Next boot: ota_0' is displayed.
 - UPLOAD WEB ASSETS:** A section for uploading web assets. It includes a file selection area for 'Web bundle (.bin)' (No file selected), a 'Select file' button, and an 'Upload' button. Below this is a 'Reboot now' button.

The bottom of the interface shows a status bar with 'Connected', 'INVISION - firmware v1.0.0', and '259100000191'.

Upload firmware

Click on **Select File**, and select the new firmware file.

UPLOAD FIRMWARE

Application binary (.bin)
No file selected

Select file

Upload

Validate upload

Reboot now

Boot from

ota_0

Set boot partition

Next boot: ota_0

UPLOAD FIRMWARE

Application binary (.bin)
Invision_Firmware_v1.0.0.bin · 1.07 MB · selected just now

Select file

Upload

Validate upload

Reboot now

Boot from

ota_0

Set boot partition

Next boot: ota_0

Click on **Upload**, wait until the progress bar is full.

UPLOAD FIRMWARE

Application binary (.bin)
Invision_Firmware_v1.0.0.bin · 1.07 MB · selected just now

Select file

Upload

0.16 MB / 1.07 MB · 15%

~21 s remaining

Validate upload

Reboot now

Boot from

ota_0

Set boot partition

Next boot: ota_0

UPLOAD FIRMWARE

Application binary (.bin)
Invision_Firmware_v1.0.0.bin · 1.07 MB · selected just now

Select file

Upload

1.07 MB / 1.07 MB · 100%

Validate upload

Reboot now

Boot from

ota_1

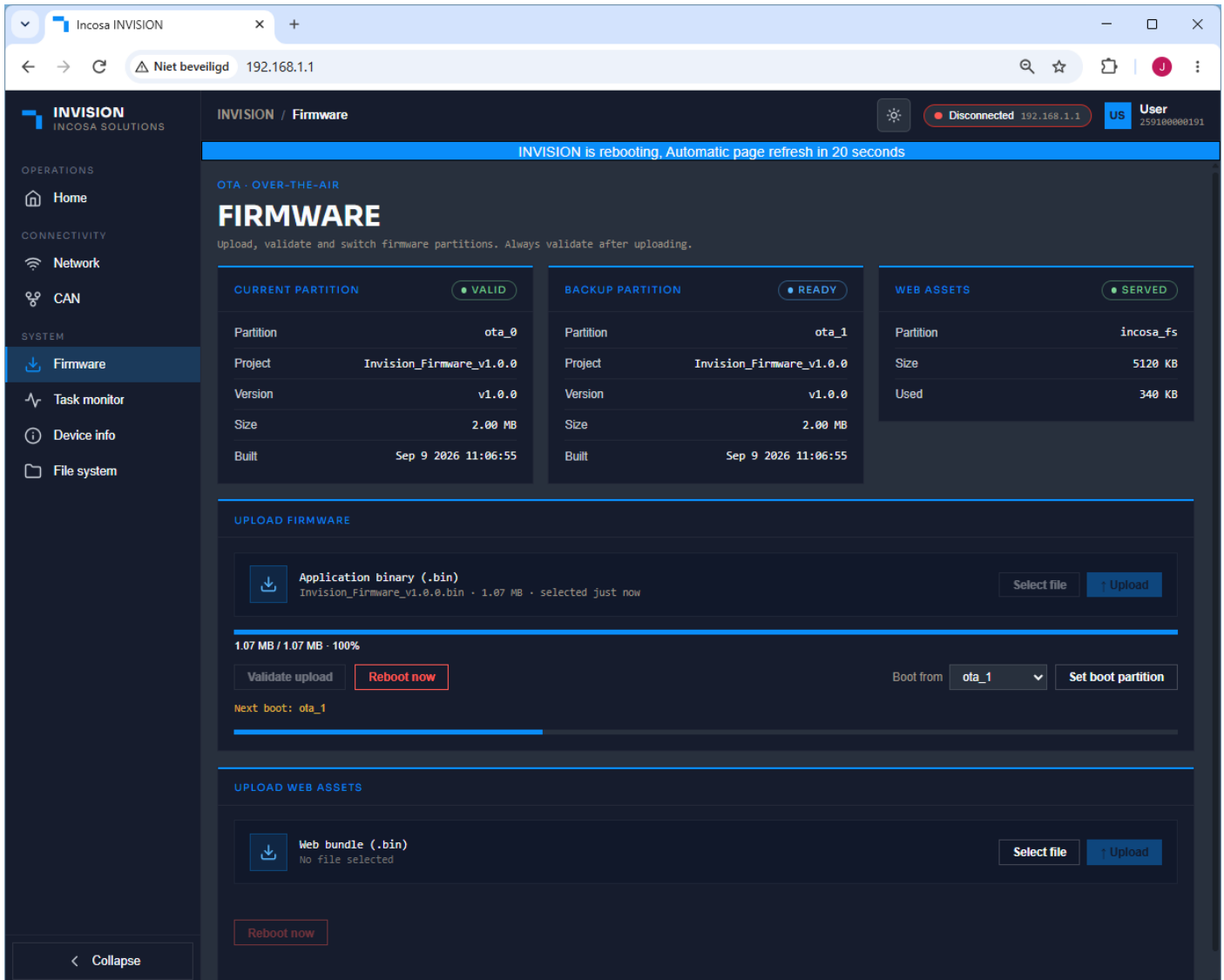
Set boot partition

Next boot: ota_1

Remark

The upload speed might vary depending the connection quality. If the upload get stuck, power down the **inVision** and retry.

After a successful upload the boot partion will be updated. Restart the **inVision** by clicking the **Reboot** button or by manually switching off the power to the **inVision**.



The screenshot shows the InVision Incosa Solutions web interface. The browser address bar shows the URL 192.168.1.1. The interface is in Dutch and displays the Firmware section. The top navigation bar includes Home, Network, CAN, and Firmware. The Firmware section shows the current and backup firmware partitions, web assets, and upload progress.

INVISION / Firmware

INVISION is rebooting, Automatic page refresh in 20 seconds

OTA - OVER-THE-AIR

FIRMWARE

Upload, validate and switch firmware partitions. Always validate after uploading.

CURRENT PARTITION		BACKUP PARTITION		WEB ASSETS	
Partition	ota_0	Partition	ota_1	Partition	incosa_fs
Project	Invision_Firmware_v1.0.0	Project	Invision_Firmware_v1.0.0	Size	5120 KB
Version	v1.0.0	Version	v1.0.0	Used	340 KB
Size	2.00 MB	Size	2.00 MB		
Built	Sep 9 2026 11:06:55	Built	Sep 9 2026 11:06:55		

UPLOAD FIRMWARE

Application binary (.bin)
Invision_Firmware_v1.0.0.bin · 1.07 MB · selected just now

1.07 MB / 1.07 MB · 100%

Validate upload Reboot now

Boot from ota_1 Set boot partition

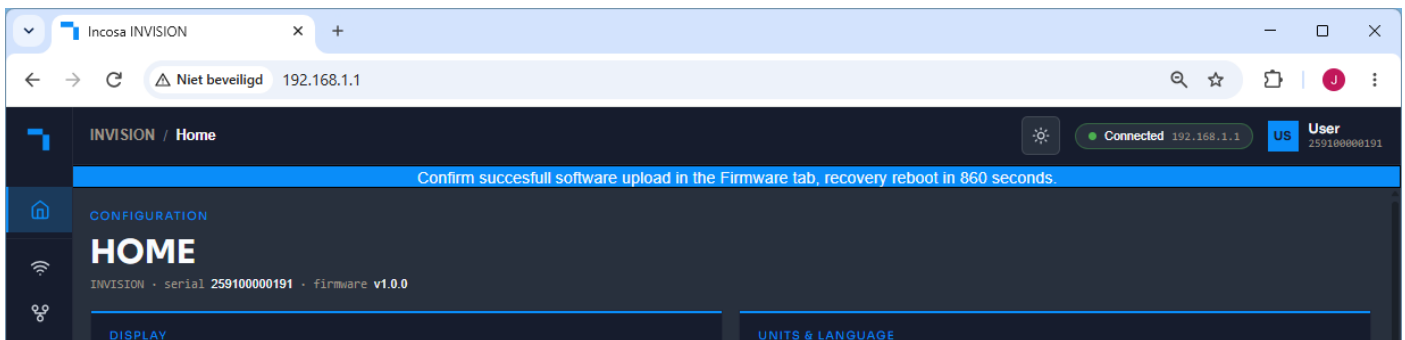
Next boot: ota_1

UPLOAD WEB ASSETS

Web bundle (.bin)
No file selected

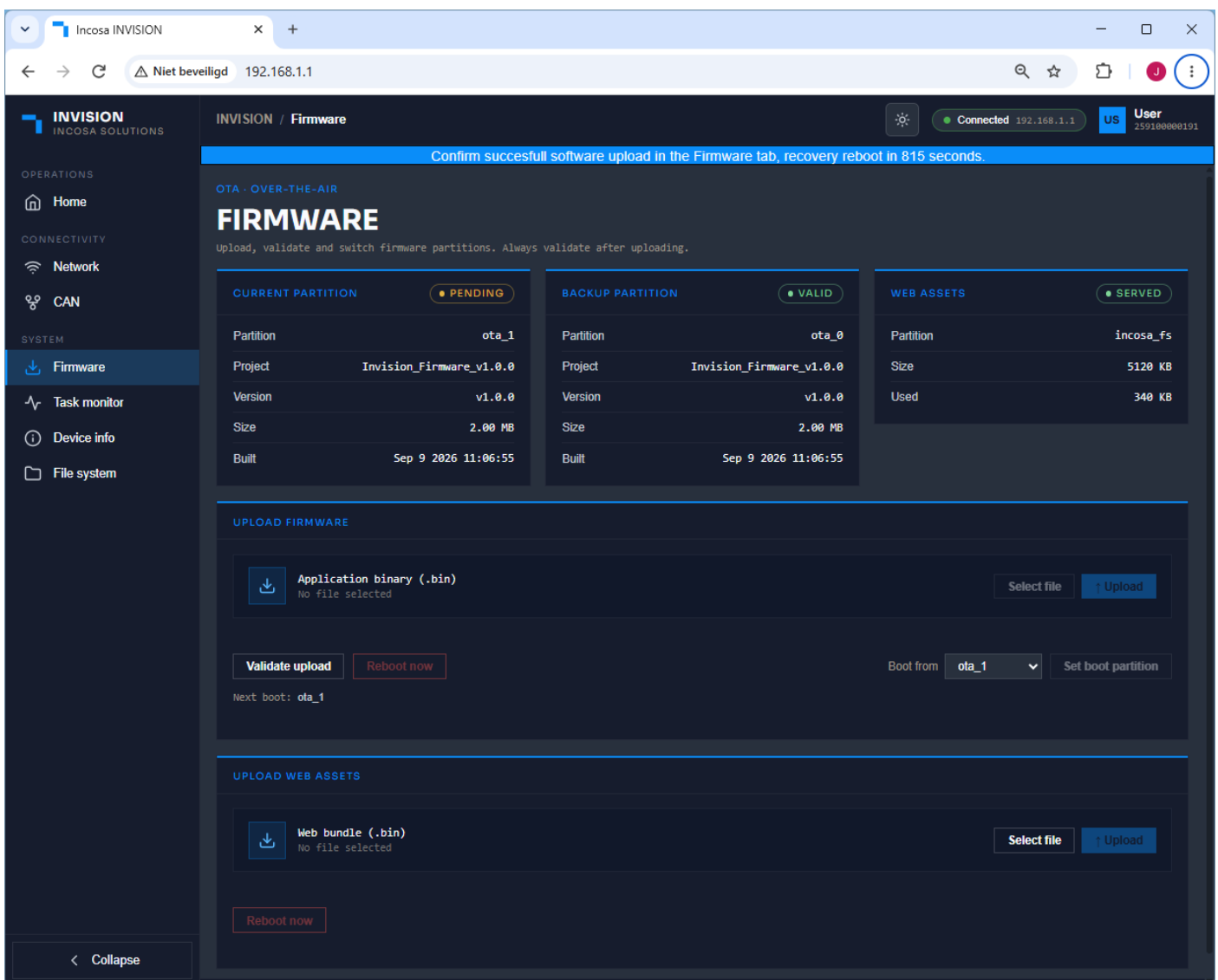
Reboot now

Reconnect to the module. When you open the webpage, the following message appears in the status bar: "Confirm successful software upload in the Firmware tab, recovery reboot in x seconds."



Go back into the firmware tab and validate the upload.

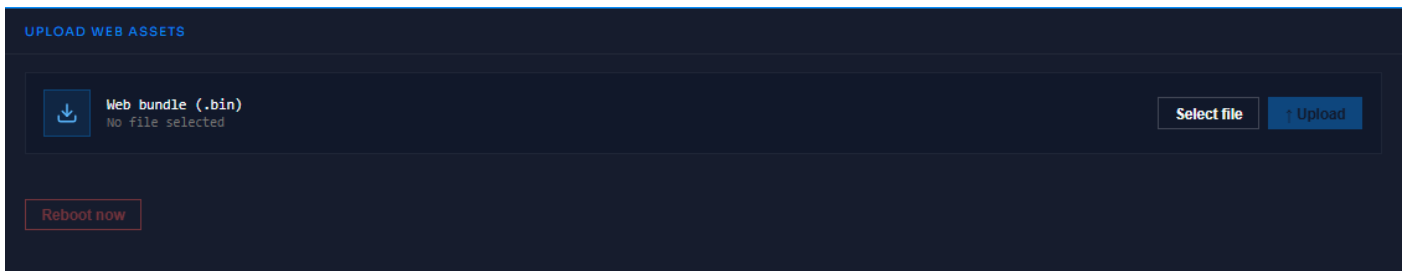
When you look at partition info the running partition should have been updated to match the new boot partition.



Upload web assets

In some cases it might be necessary to update the website files as well. This can be done in a similar way.

Click on **Select File**, and select the new website file.

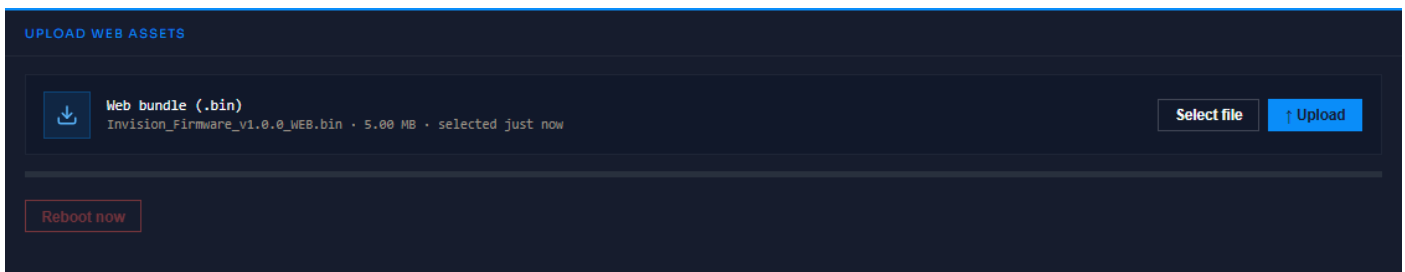


UPLOAD WEB ASSETS

Web bundle (.bin)
No file selected

Select file Upload

Reboot now



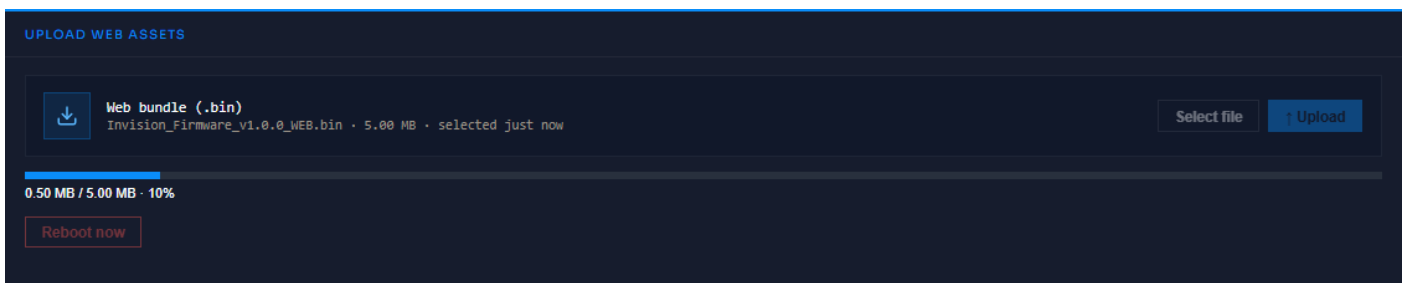
UPLOAD WEB ASSETS

Web bundle (.bin)
Invision_Firmware_v1.0.0_WEB.bin · 5.00 MB · selected just now

Select file Upload

Reboot now

Click on **Upload**, wait until the progress bar is full. Click then on **Reboot**.



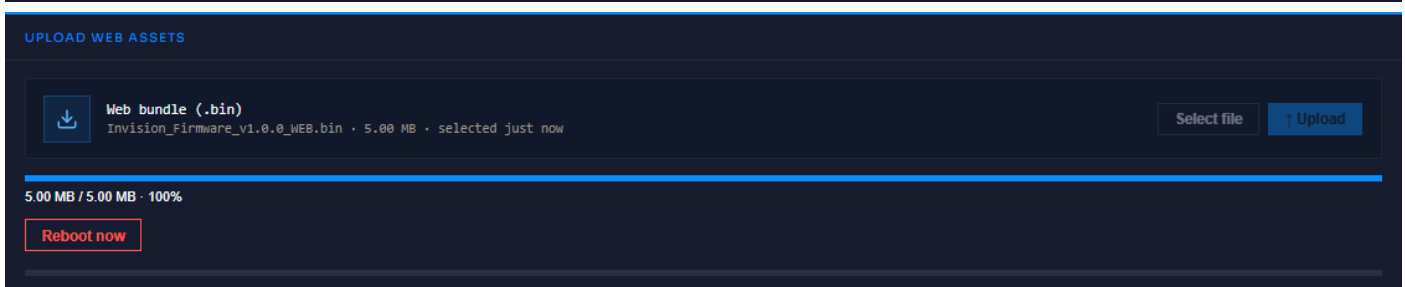
UPLOAD WEB ASSETS

Web bundle (.bin)
Invision_Firmware_v1.0.0_WEB.bin · 5.00 MB · selected just now

Select file Upload

0.50 MB / 5.00 MB · 10%

Reboot now



UPLOAD WEB ASSETS

Web bundle (.bin)
Invision_Firmware_v1.0.0_WEB.bin · 5.00 MB · selected just now

Select file Upload

5.00 MB / 5.00 MB · 100%

Reboot now

Task Monitor

This is a monitoring tool, mostly for development purposes. It gives an overview of all task running on the iNvision display, similar to Windows task manager.

INVISION
INCOSA SOLUTIONS

OPERATIONS

CONNECTIVITY

SYSTEM

Home

Network

CAN

Firmware

Task monitor

Device info

File system

INVISION / Task monitor

Connected 192.168.1.1

User 259100000191

DIAGNOSTICS

TASK MONITOR

Live heap, runtime and per-task statistics. Filled by getPerformanceMonitor().

HEAP - FREE MEMORY

TIME

Total free	286832
Current free	93408 (32.54%)
Minimum free	68512 (23.89%)

Total runtime	796
System uptime	796

TASKS

TASK NAME	STATE	CORE	NUMBER	PRIORITY	STACK	RUNTIME (S)	RUNTIME (%)
IDLE0	Ready	0	5	0	508	777.11	97.59
wifi	Blocked	0	12	23	4356	6.94	0.87
httpd	Running	0	10	5	8212	4.12	0.52
CanReceive	Blocked	0	17	10	1980	2.59	0.33
esp_timer	Suspended	0	3	22	2972	1.12	0.14
iorouter	Blocked	0	16	7	1776	1.02	0.13
udp_parser	Blocked	0	15	8	3244	0.25	0.03
ipc0	Suspended	0	1	24	444	0.14	0.02
sys_evt	Blocked	0	9	20	576	0.09	0.01
udp_server	Blocked	0	14	9	2868	0.00	0.00
CanCtrl	Blocked	0	18	11	3252	0.00	0.00
IDLE1	Ready	1	6	0	516	615.98	77.36
visual_incasa	Blocked	1	11	1	1316	176.89	22.21
tiT	Blocked	Any	8	18	2248	4.24	0.53
ipc1	Suspended	1	2	24	536	1.29	0.16
w5500_tsk	Blocked	Any	13	15	3312	0.02	0.00

< Collapse

Connected

INVISION · firmware v1.0.0 · 259100000191

Device Info

An overview of the current software and firmware versions, including the firmware version and the ESP-IDF version.

INVISION
INCOSA SOLUTIONS

OPERATIONS

CONNECTIVITY

SYSTEM

Home

Network

CAN

Firmware

Task monitor

Device info

File system

< Collapse

INVISION / Device info

Connected 192.168.1.1

US User
259100000191

SYSTEM

DEVICE INFO

Module identity, hardware and firmware build details. Filled by getDeviceInfo().

IDENTITY

Serial number259100000191

Project nameInvision

Project versionFirmware

Network name259100000191

HARDWARE

Flash memory16 MB

FIRMWARE

FW versionv1.0.0

IDF versionv5.4.1

BUILD

Build dateSep 9 2026

Build time11:06:55

PARTITIONS

Boot partitionota_1

Run partitionota_1

Connected

INVISION · firmware v1.0.0 · 259100000191

File System

An overview of all the data files on the inVision.

INVISION
INCOSA SOLUTIONS

OPERATIONS

CONNECTIVITY

SYSTEM

File system

INVISION / File system

Connected 192.168.1.1

User 259100000191

FILE SYSTEM

LittleFS partition status and the files stored on the device. Privileged roles can upload and delete files.

PARTITION	
Label	incosa_fs
Total size	5120.00 KB

USAGE	
Used	340.00 KB
Free	4780.00 KB

FILES

INVISION

data (7.09 KB)

gif (53.47 KB)

img (8.70 KB)

site (87.41 KB)

UPLOAD FILE

Select a file to upload

No file selected

Select file

Upload

Destination path /filename

< Collapse

Connected

INVISION · firmware v1.0.0 · 259100000191