

User/Installation Manual



WhisperCare 2.0

OctoControl Pro

OctoControl Pro | OctoControl Pro 4G | We connect, we manage, we control

whisperpower.com

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1. Introduction

1.1. Use of this manual / applicability of this manual

This manual serves as a guideline for the safe and effective operation, maintenance, and possible correction of minor malfunctions of the OctoControl Pro and OctoControl Pro 4G manufactured and marketed by WhisperPower.

It is therefore essential that every person who works on or with the OctoControl Pro or OctoControl Pro 4G should be familiar with the contents of this manual, and that he/she should carefully follow the instructions contained herein. Both safety and durability depend very much on the correct identification, installation and the correct understanding of ratings, features, design, maintenance, and operation procedures.

The information, specifications, illustrations, and statements contained within this publication are given with our best intentions and are believed to be correct at the time of going to press.

1.2. General features

With its new in-house developed WhisperCare 2.0, WhisperPower has taken the next step towards secure, robust, easily accessible, and cost-effective remote monitoring. Security and compliance are important to WhisperPower, the highest standards have been incorporated in the design. The OctoControl modules collect real-time information from your WhisperPower system, process it and display it on your OctoView Touch monitor, a third party MFD or in the WhisperCare cloud interface.

Having the ability to constantly monitor and control your system is essential. Whether it is remotely on your mobile phone using the WhisperCare cloud or locally at your system. With OctoControl Pro solutions, you can connect, manage, and control your WhisperPower energy system on an installed touch panel in your vessel, vehicle, unit, or system. The OctoControl Pro can be seamlessly integrated into your existing MFDs, such as Raymarine and Garmin. Additionally, the OctoControl Pro can be used with the WhisperPower OctoView Touch Monitors to view and control your system.

1.3. Clarification of notation

Symbols are used in this manual to identify safety instructions & warnings.



WARNING!

The WARNING symbol identifies a risk of injury to the operator or damage to the unit, if the instructions & guidelines contained in this manual are not followed.



CAUTION!

The CAUTION symbol highlights an operating or installation procedure where the operator and/or installer must give special attention to prevent damage to the unit.

1.4. Glossary of terms

Term	Description
CAN	Controller Area Network Vehicle standard to allow digital devices to communicate to one another.
WhisperConnect	Communication bus for WhisperPower equipment
DDC bus	Communication bus for WhisperPower generators
MFD	Multifunctional Display

1.5. Applicability of this manual

This version of the user/installation manual applies to OctoControl Pro and OctoControl Pro 4G with Firmware version 1.0.0 and higher. Under normal circumstances you will receive the correct user/installation manual with your unit. This means that the user/installation manual corresponds with the delivered unit.

Firmware version	Manual version
1.0.0 or higher	1.00

1.6. Safety, liability, and warranty specifications

1.6.1. Liability

WhisperPower does not accept responsibility for damage, injuries or casualties which are the result of operation of the OctoControl Pro, OctoControl Pro 4G or any connected equipment in specific conditions bringing dangers which could not be foreseen or could be avoided by additional measures. WhisperPower does not accept liability for damage due to use of the OctoControl Pro or OctoControl Pro 4G, possible errors in the manuals and the results thereof.



WARNING! SMART MODULE AUTOMATIC GENERATOR START/STOP

WhisperPower cannot be held responsible for damage caused by the generator running unattended using the automatic mode or interval mode.



WARNING! SMART MODULE SYSTEM AUTOMATION

WhisperPower cannot be held responsible for damage caused by the behaviour of the smart modules.

1.6.2. Warning regarding life support applications

This equipment is not sold for applications in any medical equipment intended for use as a component of any life support system unless a specific written agreement pertaining to such intended use is executed between the manufacturer and WhisperPower. Such agreement will require the equipment manufacturer either to contract additional reliability testing of the OctoControl Pro or OctoControl Pro 4G and/or to commit to undertake such testing as a part of the manufacturing process. In addition, the manufacturer must agree to indemnify and not hold WhisperPower responsible for any claims arising from the use of the OctoControl Pro or OctoControl Pro 4G in the life support equipment.

1.6.3. Warranty

WhisperPower guarantees that this unit has been built according to the legally applicable standards and specifications. Any work carried out must be in accordance with the guidelines, instructions and specifications contained in this user's manual. Failure to comply may result in damage or reduced performance of the unit and the warranty may be invalidated. The warranty is limited to the cost of repair and/or replacement of the supplied unit. Other associated costs such as the installation labour or shipping of the defective parts are not covered by this warranty.

1.6.4. Identification

The identification label is located at the back of the OctoControl Pro or OctoControl Pro 4G. Important technical information required for service, maintenance and secondary delivery of parts can be derived from the identification label.

**CAUTION!**

Never remove the identification label.

1.7. Amendments

Manual version	Release date	Comments
1.00	14-Feb-2024	Initial release
1.01	21-Apr-2024	Added connector adapters Added Firmware Update chapter Added PMG paragraph
1.02		Added GPS instructions for the WhisperCare 2.0 Router
1.03	09-Aug-2024	Adjusted Simrad and B&G Integration router to WhisperCare 2.0 Router

2. General operation

The content on the screens is automatically generated based on the equipment connected and configured on the OctoControl Pro. The images shown in this manual may differ from the actual content on your screen.

2.1. System overview modes

Two modes can be used to display all the information of the system and devices. Choose between the energy system overview and device widget overview by selecting the mode in the settings.

2.1.1. Energy system overview

The energy system overview display mode is used to visualize an energy system. In this mode the information from all devices are combined to generate system summary information. For example, data from multiple battery banks are combined into one value, representing all the battery banks. This summary information is shown on the lock screen, energy system overview screen and energy subsystem overview screen.

2.1.2. Device widget overview

The energy system overview display mode is used to visualize each device in the system. In this mode the information from each devices is shown in its own device widget. For example, each battery bank gets its own device widget, resulting in multiple battery widgets next to each other. The device information is shown on the lock screen and device widget overview.

2.2. Screen content

2.2.1. Lock screen

System status icons are always shown in top left corner.



Shows if shore/grid input is present



Shows if generator is standby/running



Shows if solar input is present



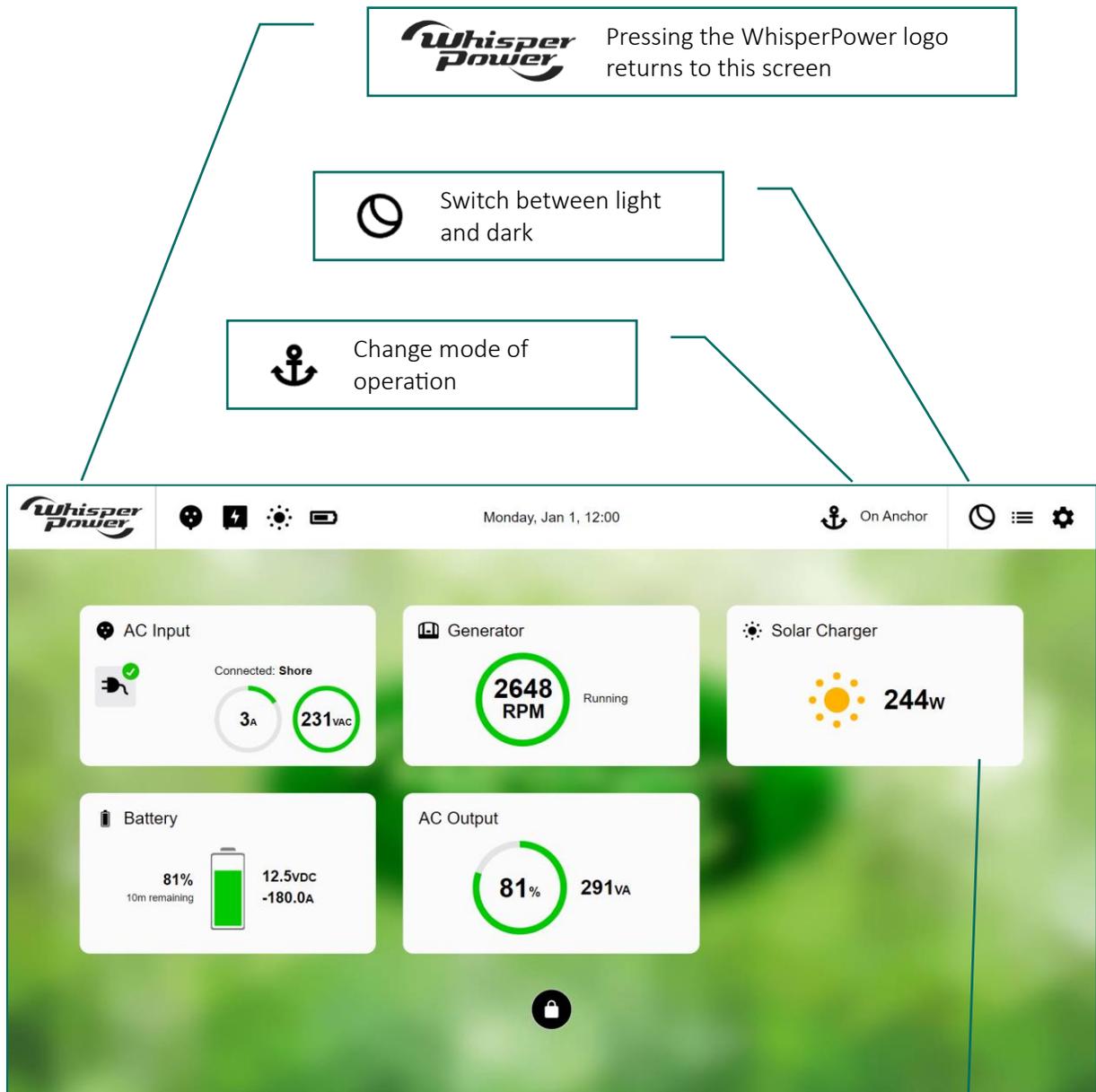
Shows the status of the battery



A summary of the system status is generated, including:

- AC input status, voltage and current
- Solar input power
- Generator status
- Battery state of charge
- Inverter status and power

2.2.2. Energy system overview screen



System widgets

- AC Input – Shows summary of all shore/grid information.
- Generator – Shows summary of all generator information.
- Solar chargers – Shows summary of all solar charger information.
- Battery – Shows summary of all battery information.
- AC output – Shows summary of inverter information

2.2.3. Device widget overview screen



Each device is shown in a widget. The widget displays the status of the device and basic information.

2.2.4. Device information screen

The screenshot displays the OctoControl Pro interface for a Pico 10 generator. The interface includes a top navigation bar with the Whisper Power logo, a signal strength indicator, the date and time (Monday, Jan 1, 12:00), and an anchor status (On Anchor). Below the navigation bar, there are three tabs: Overview, Monitor, and Control. The Overview tab is active, showing the generator's status as Running and Mode as Automatic. Key metrics are displayed in a grid of gauges and text boxes, including RPM (2552 rpm), Battery (11.0 VDC), Load (23%), Power (1000 VA), Coolant (80°C), and Oil (3 Bar). There are also buttons for Start and Stop, and a section for Alarms (No alarms) and Total running time (0 hours). Three callout boxes provide additional context: one points to the Start/Stop buttons, another points to the Overview, Monitor, and Control tabs, and a third points to the Coolant gauge.

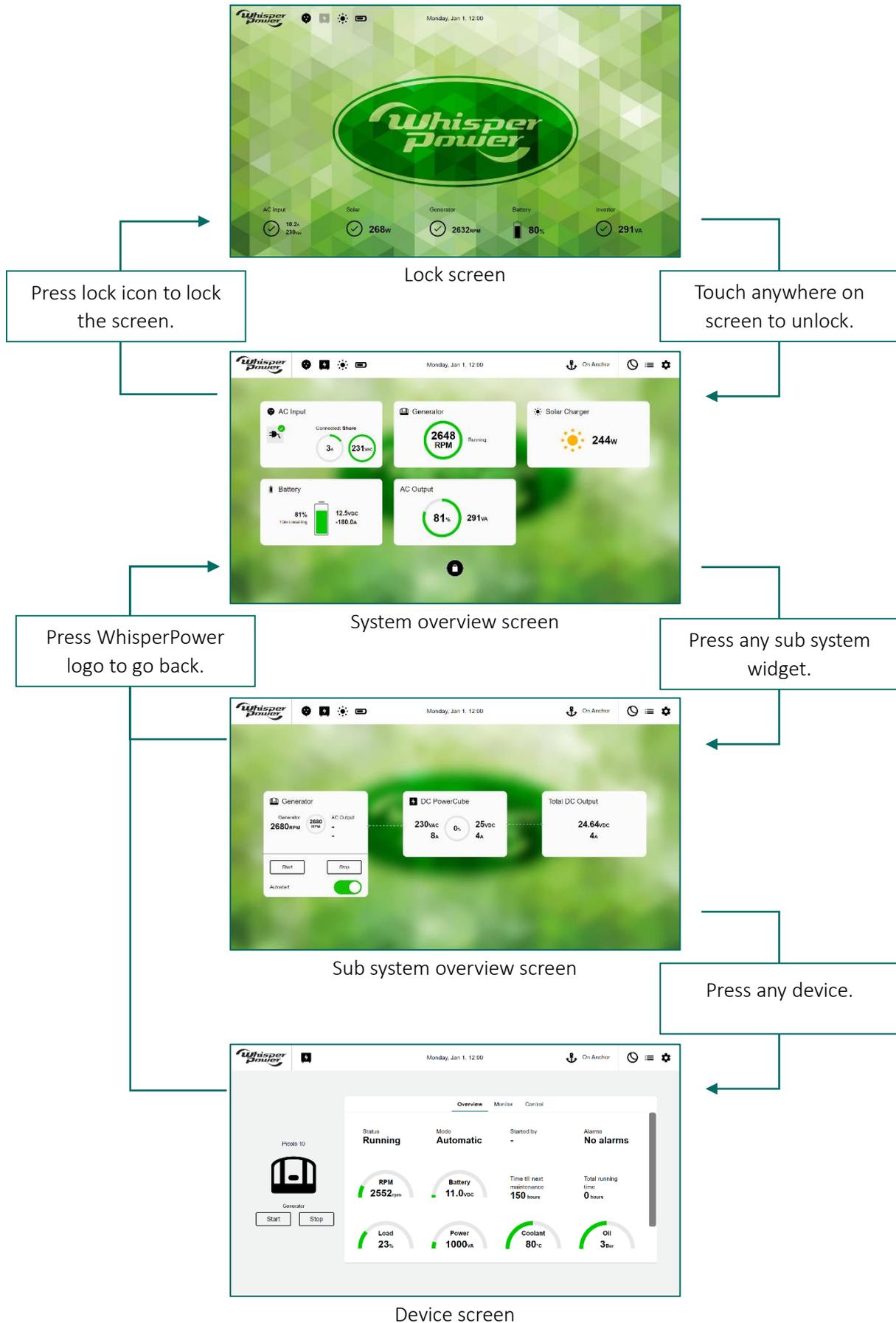
Basic controls of the device, for example starting and stopping the generator.

Overview, Monitor and Control tab to provide detailed information and control.

Detailed monitoring data

Metric	Value
Status	Running
Mode	Automatic
RPM	2552 rpm
Battery	11.0 VDC
Load	23%
Power	1000 VA
Coolant	80°C
Oil	3 Bar
Time till next maintenance	150 hours
Total running time	0 hours
Alarms	No alarms

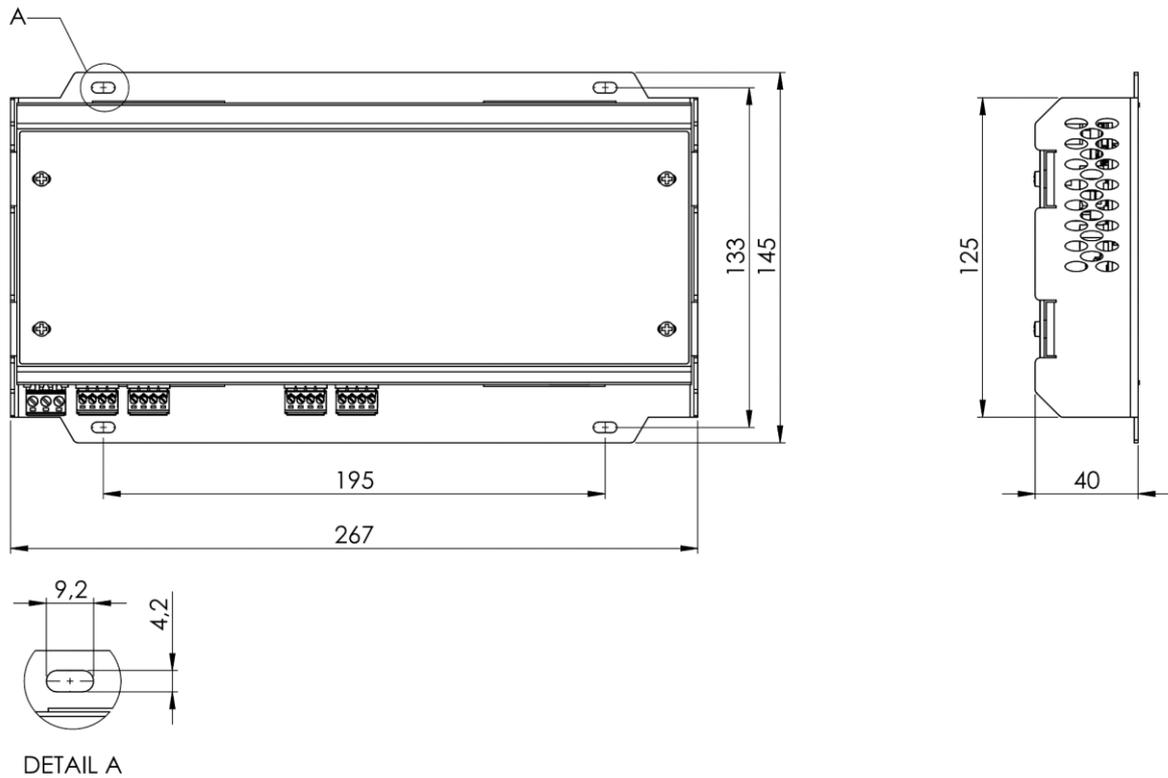
2.3. Navigation between screens



3. Installation

During installation and commissioning of the OctoControl Pro or OctoControl Pro 4G, the safety instructions are applicable at all times. Please check the contents of the package before you start with the installation. If one of the items is missing, please contact your supplier.

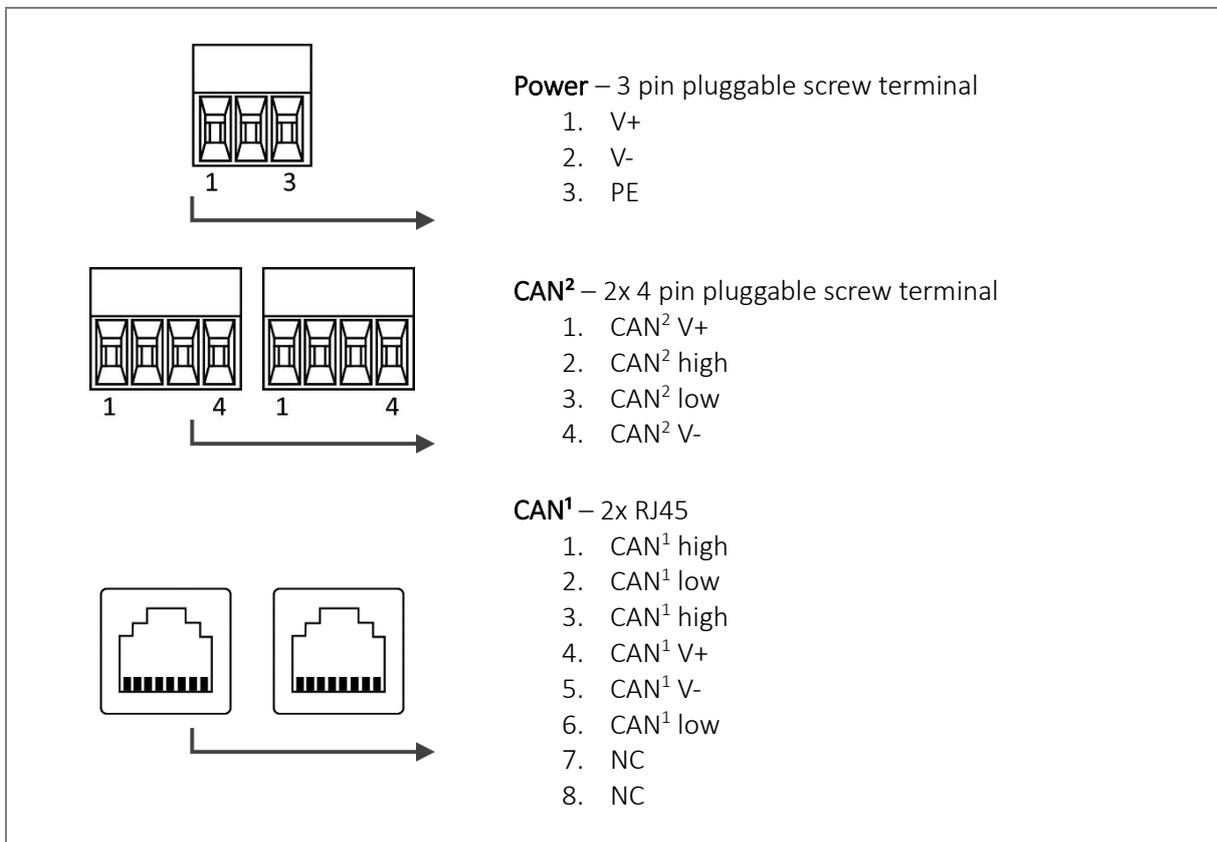
3.1. Mounting the unit

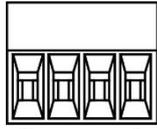


Install the OctoControl Pro in a well-ventilated room protected against rain, snow, spray, vapour, bilge, moisture, and dust. Never use the OctoControl Pro or OctoControl Pro 4G in a location where there is a danger of gas or dust explosions. Ensure that there are no obstructions to the airflow through the ventilation openings. No objects should be located within a distance of 5cm / 2 inches from the OctoControl Pro. Mount the OctoControl Pro vertically, with the connecting cables downwards.

Once the location for the OctoControl Pro or OctoControl Pro 4G is known and verified, locate the dimensioning drawing of your model on this sheet and mark the mounting positions on the wall. Pre-drill where necessary. Mount the unit by fixing the four screws.

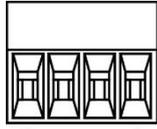
3.2. Connection descriptions





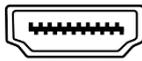
RS485¹ – 4 pin pluggable screw terminal

1. NC
2. RS485¹ A
3. RS485¹ B
4. RS485¹ V-



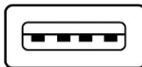
RS485² – 4 pin pluggable screw terminal

1. NC
2. RS485² A
3. RS485² B
4. RS485² V-



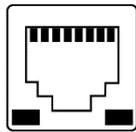
HDMI

Used for OctoView Touch Monitor



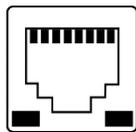
USB – Type A

Used for OctoView Touch Monitor or updating software



Ethernet¹ – RJ45

Used for integration to Multifunctional display or connection to the WhisperCare Cloud

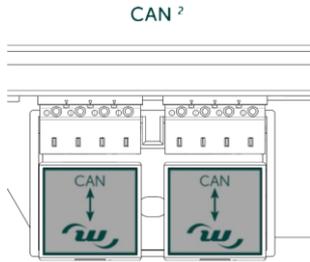


Ethernet² – RJ45

Used for integration to Multifunctional display or connection to the WhisperCare Cloud

3.3. Connector adapters

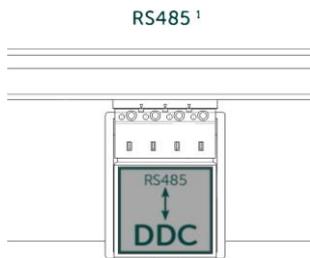
On the OctoControl Pro the CAN², RS485¹ and RS485² ports are fitted with general purpose pluggable connectors. While this is suitable for connecting bare wires, to connect a communication cable an adapter may be required. The following adapters are available to be used with the OctoControl Pro:



OctoControl CAN to WhisperConnect adapter

Article number: 60208040

Connector: 2x RJ45 WhisperConnect

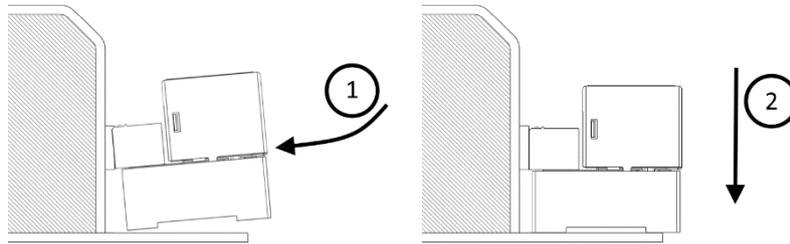


OctoControl RS485 to DDC adapter

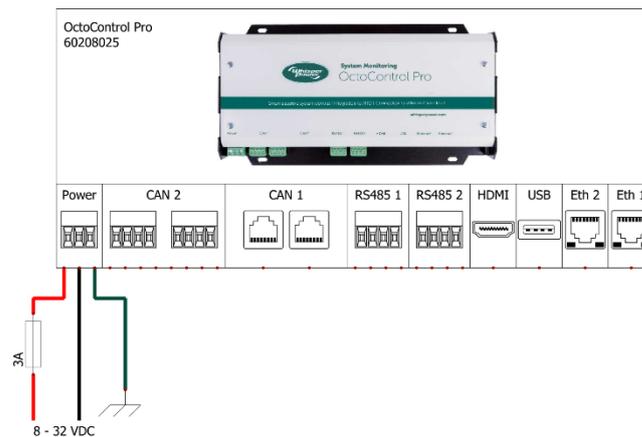
Article number: 60208035

Connector: 1x RJ45 DDC bus

Installation is very easy. Remove the protective film from the adhesive tape on the underside of the adapter. Plug the adapter into the CAN or RS485 port with an angle. Press firmly to secure the adapter.



3.4. Power supply



CAUTION!

Before making any connections, ensure DC power is disconnected. Make sure all DC consumers and battery chargers are switched off and that the main battery fuse is taken out.



WARNING!

Wrong or improper connections may cause damage to your OctoControl Pro, OctoControl Pro 4G, batteries or any other equipment connected to the system. Wrong installation is not covered by warranty.

A proper and stable power supply is necessary to guarantee a reliable functioning OctoControl Pro. Ideally this power supply must always be present. Connecting directly to a starter battery or service battery will result in unreliable functioning during for example an engine starting or high load demand. It is recommended to use a navigation battery bank as the power source for the OctoControl Pro.

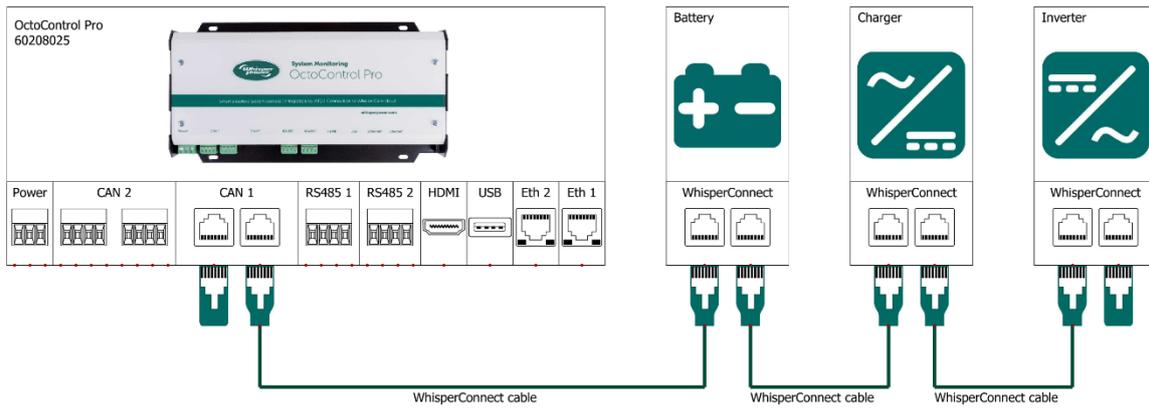
Using a correct size and length of battery cable (not provided), connect the power supply. Install the fuses in the positive cables. Use an insulated screwdriver of the correct size to ensure electrical safety. Make sure the screws are tightened.

3.5. CAN bus

3.5.1. WhisperConnect

All devices that are suitable for WhisperConnect CAN bus are marked by the WhisperConnect symbol. WhisperConnect is a fully decentralized data network for communication between the different WhisperPower system devices. It is CAN bus based which has proven itself as a reliable communication bus system in automotive applications.

WhisperConnect is used as a monitoring and power management system for all connected devices, such as the inverter, battery charger, generator and many more. This enables communication between the connected devices, for instance to start the generator when the batteries are low. WhisperConnect reduces complexity of electrical systems by using UTP patch cables. All system components are simply daisy chained together. Therefore, each device is equipped with two WhisperConnect CAN bus data ports. As only a few WhisperConnect cables are needed, installation and material costs are kept to a minimum.



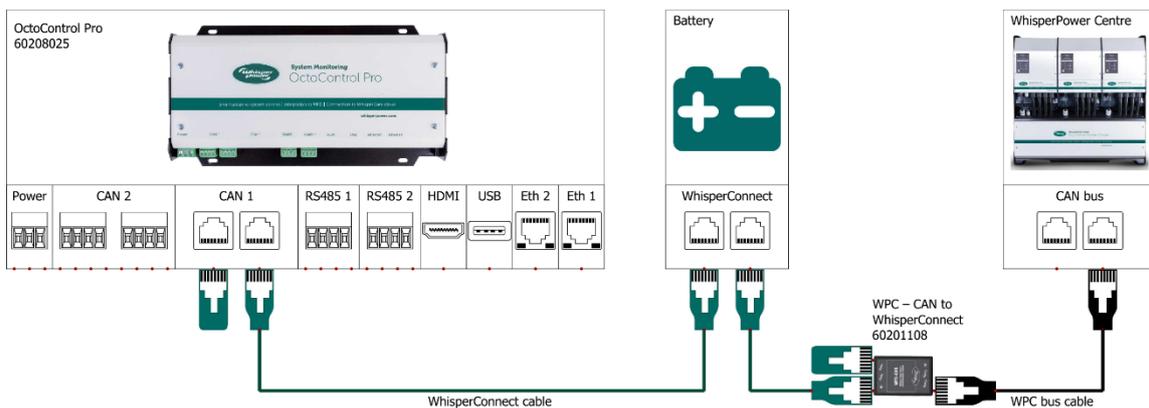
CAUTION!

Never connect a non-WhisperConnect device to the WhisperConnect network directly! This will void warranty of all WhisperConnect devices connected. Wrong installation is not covered by warranty.

Every WhisperConnect device is equipped with two data ports. All devices are daisy chained together using UTP patch cables. It is recommended to use WhisperConnect cables supplied by WhisperPower. The resulting network is one chain of connected devices with an open WhisperConnect port at each end. Place a WhisperConnect terminator on both network ends. For more information on setting up a WhisperConnect bus, refer to the installation manual of WhisperConnect.

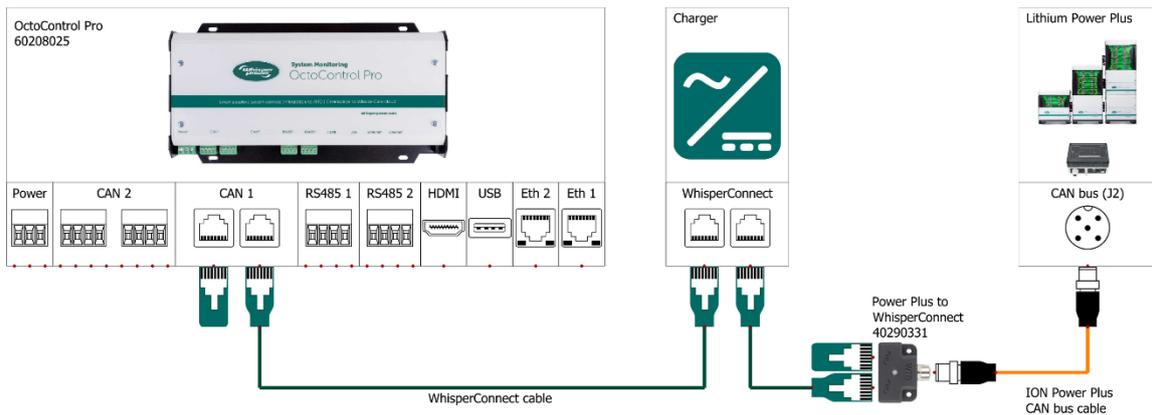
On the OctoControl Pro, the CAN¹ port is default for WhisperConnect. While configurable to suit the user his needs, it is recommended to connect the WhisperConnect network of the system to CAN¹. If for a specific reason multiple WhisperConnect networks are needed CAN² can also be configured as WhisperConnect.

3.5.2. WPC bus



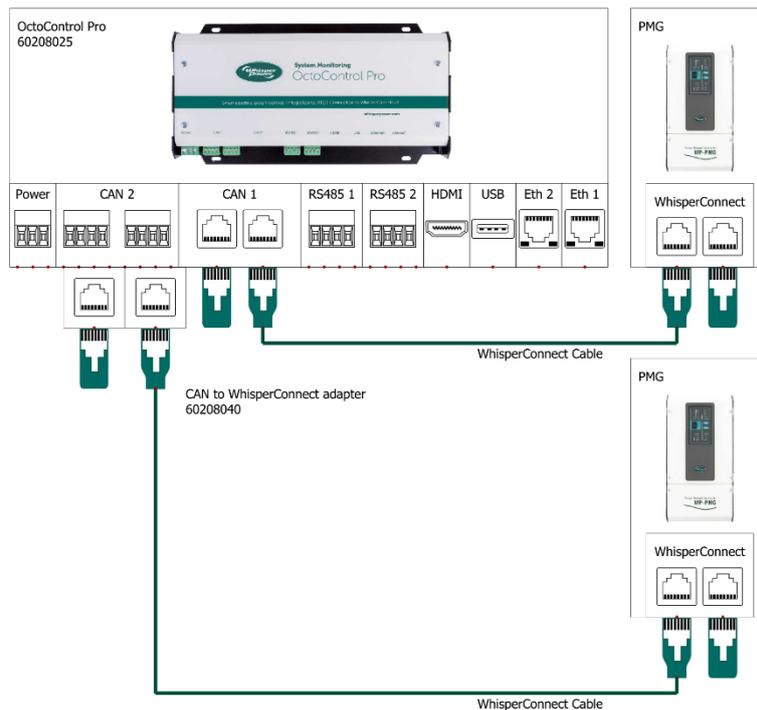
WPC bus can be connected to the WhisperConnect bus via the WPC-CAN interface. Follow the instructions in the WhisperConnect segment. CAN¹ must be configured as WPC bus in the setup wizard.

3.5.3. Lithium Power Plus



Each Lithium Power Plus battery bank is equipped with a WP-WIB (Whisper Interface Box). This box monitors and provides safety features for the battery bank. It collects and process all data from each individual battery and presents this information on the CAN bus to be read by the OctoControl Pro. A Lithium Power Plus to WhisperConnect splitter must be used to connect to a WhisperConnect network. CAN¹ must be configured as CANopen in the setup wizard.

3.5.4. PMG

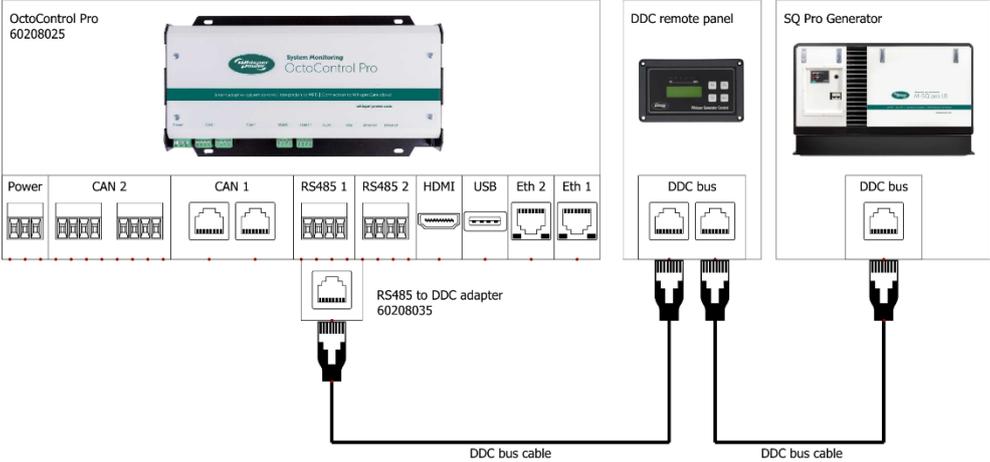
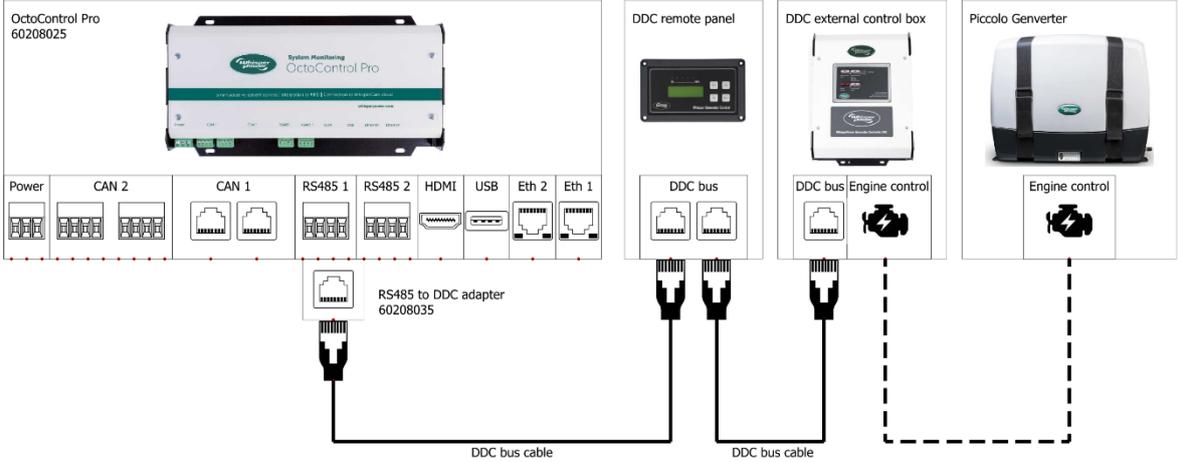


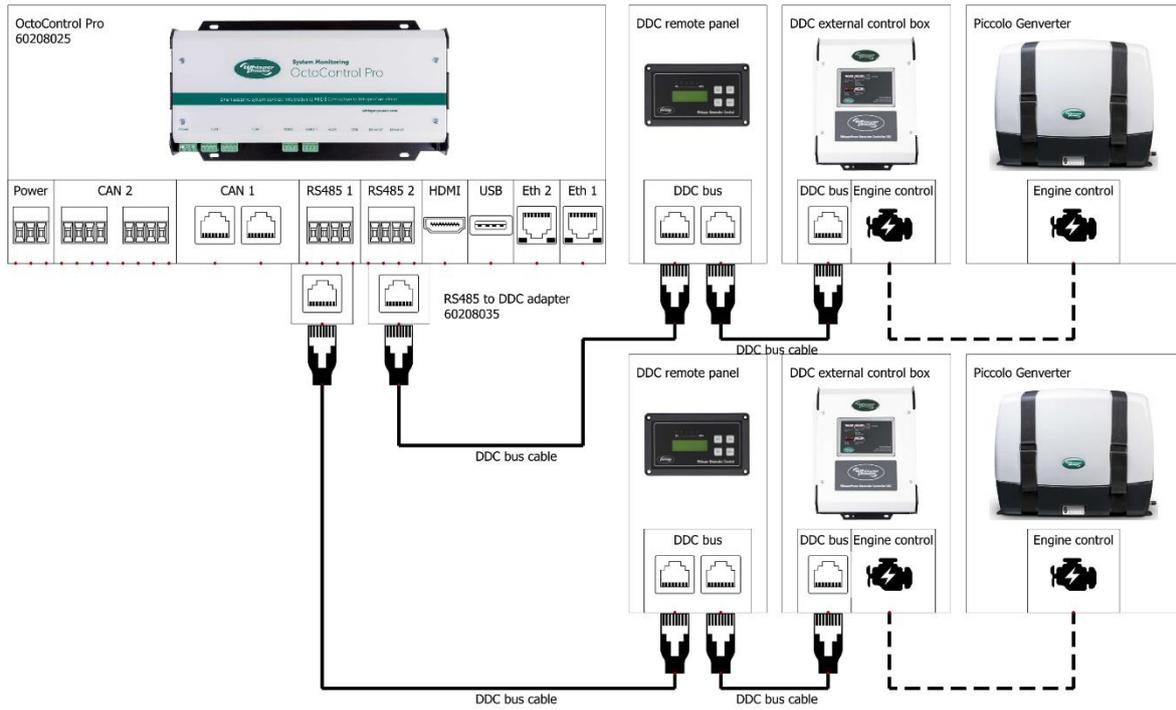
CAUTION!

Only 1 PMG allowed per 1 CAN bus network. Having two or more PMGs on 1 CAN bus network will severely affect the CAN bus network integrity.

3.6. RS485

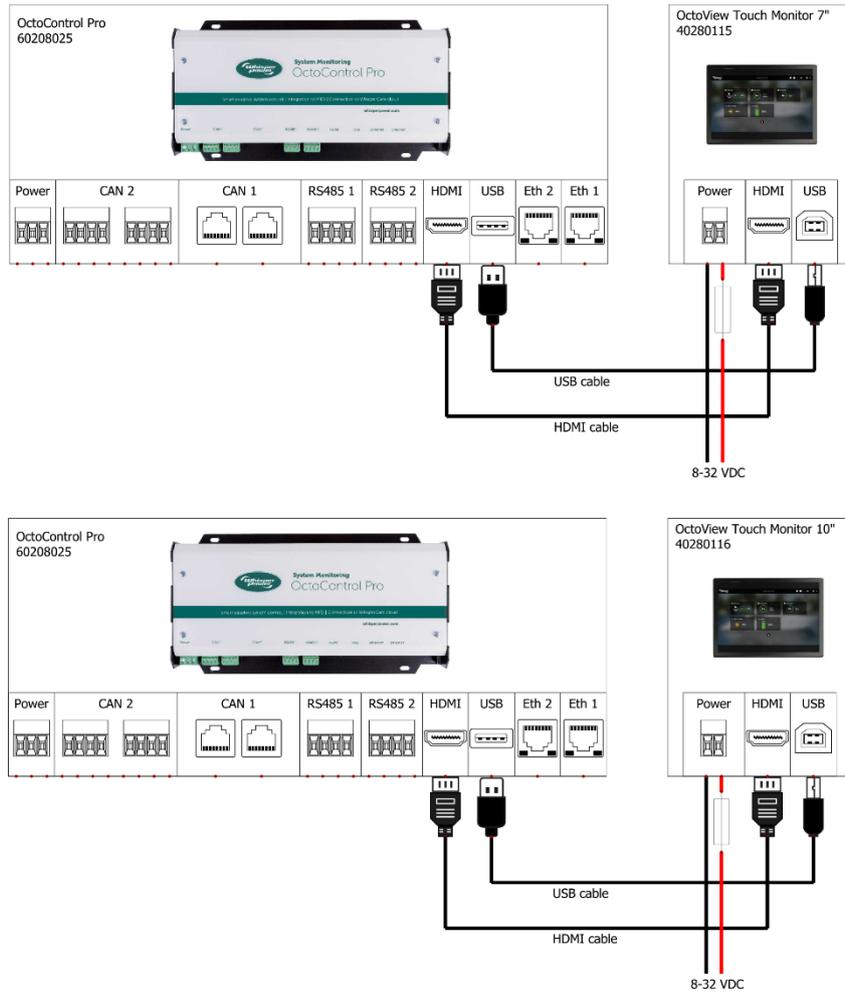
3.6.1. DDC bus





Connect the DDC bus from the generator to either RS485¹ or RS485². Only one generator can be connected per RS485 communication port of the OctoControl Pro. It is recommended to always install the DDC remote panel in the system.

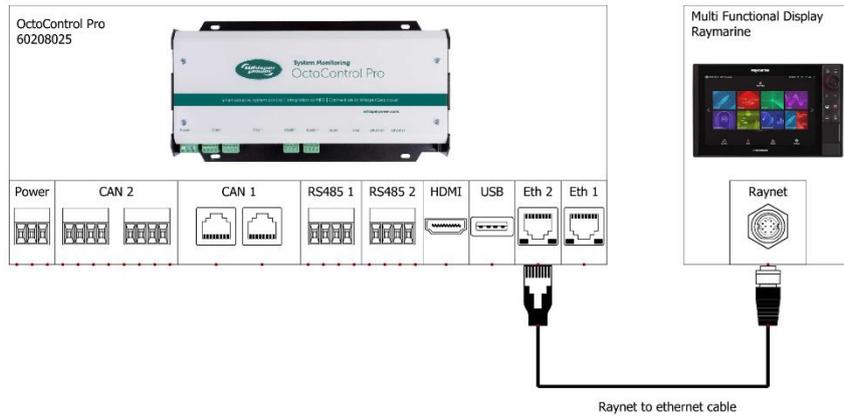
3.7. OctoView Touch Monitor



Connect the USB cable and HDMI cable between the OctoView Touch Monitor and OctoControl Pro. Provide power to the OctoView Touch Monitor. The USB and HDMI port on the OctoControl Pro are not designed to provide power to a connected monitor. Both cables are necessary for correct functioning OctoView Touch Monitor. HDMI is used for graphical data and the USB is used for touch input. Cables are provided with the OctoView Touch Monitor. Max allowed length is three meters for both the USB and HDMI cable.

3.8. Multi-functional display

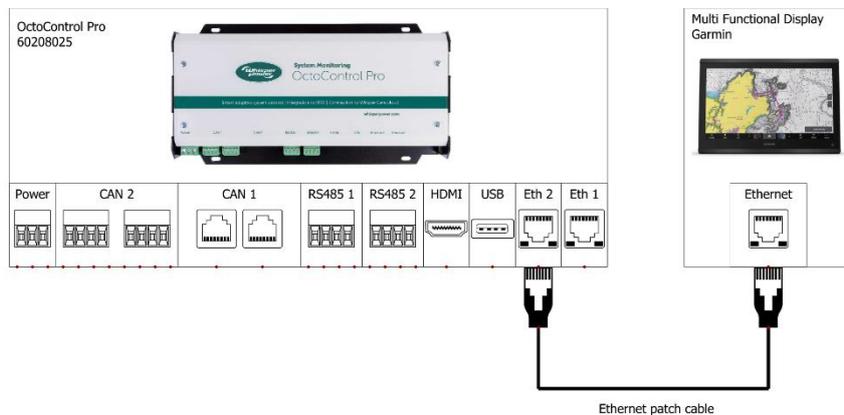
3.8.1. Raymarine



Connect a Raynet to ethernet cable between the Raymarine multi-functional display and the OctoControl Pro. Use the ethernet² port on the OctoControl Pro. Follow the instructions of the Raymarine multi-functional display.

The integration process is automated. The Raymarine multi-functional display will automatically recognize the OctoControl Pro and the WhisperCare icon will popup automatically. Press the WhisperCare icon to open the WhisperCare environment.

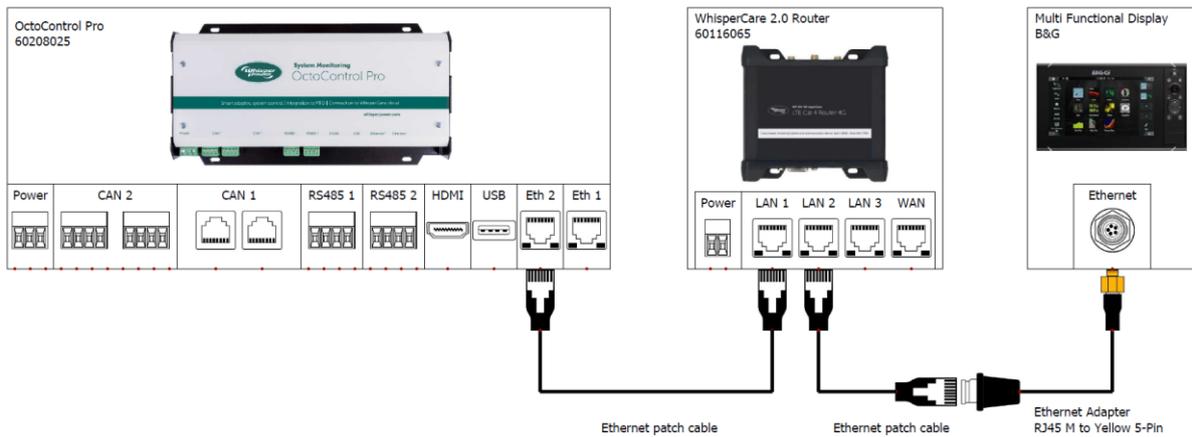
3.8.2. Garmin



Connect an ethernet patch cable between the Garmin multi-functional display and the OctoControl Pro. Use the ethernet² port on the OctoControl Pro. Follow the instructions of the Garmin multi-functional display.

The integration process is automated. The Garmin multi-functional display will automatically recognize the OctoControl Pro and the WhisperCare icon will popup automatically. Press the WhisperCare icon to open the WhisperCare environment.

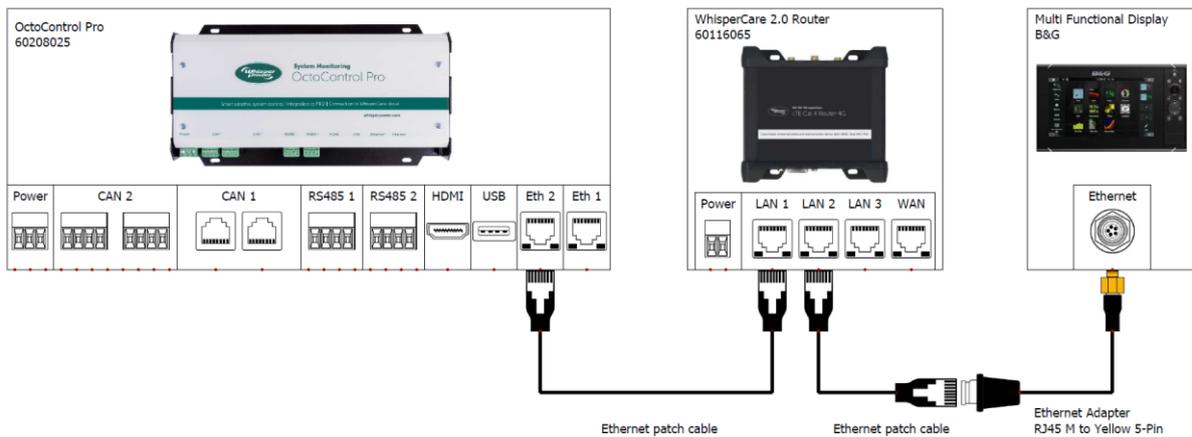
3.8.3. Simrad



Connect an ethernet patch cable with a Simrad ethernet adapter between the Simrad multi-functional display and the OctoControl Pro. Use the ethernet² port on the OctoControl Pro. A WhisperCare 2.0 router is necessary to ensure a functional network.

The integration process is automated. The Simrad multi-functional display will automatically recognize the OctoControl Pro and the WhisperCare icon will popup automatically. Press the WhisperCare icon to open the WhisperCare environment.

3.8.4. B&G

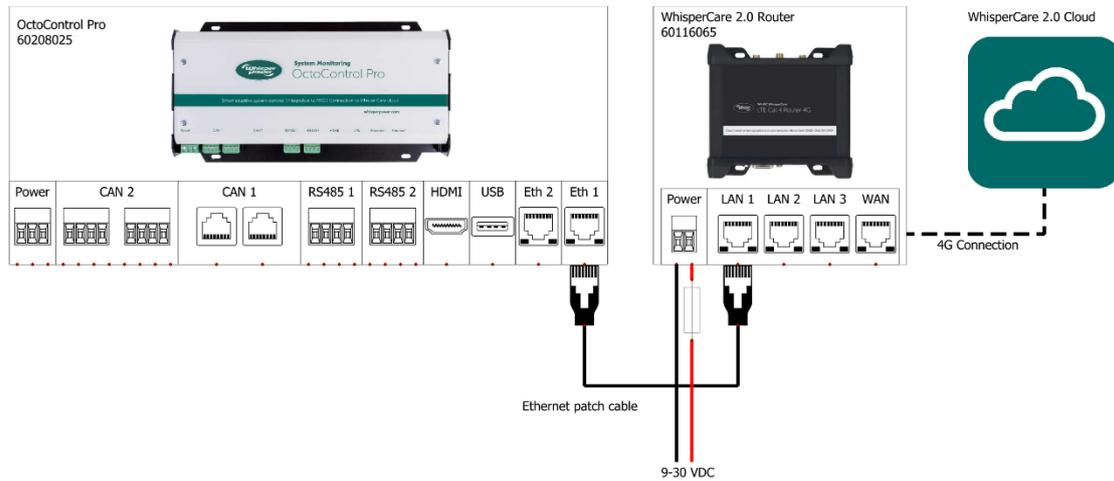


Connect an ethernet patch cable with a B&G ethernet adapter between the B&G multi-functional display and the OctoControl Pro. Use the ethernet² port on the OctoControl Pro. A WhisperCare 2.0 router is necessary to ensure a functional network.

The integration process is automated. The B&G multi-functional display will automatically recognize the OctoControl Pro and the WhisperCare icon will popup automatically. Press the WhisperCare icon to open the WhisperCare environment.

3.9. WhisperCare 2.0 Cloud connection

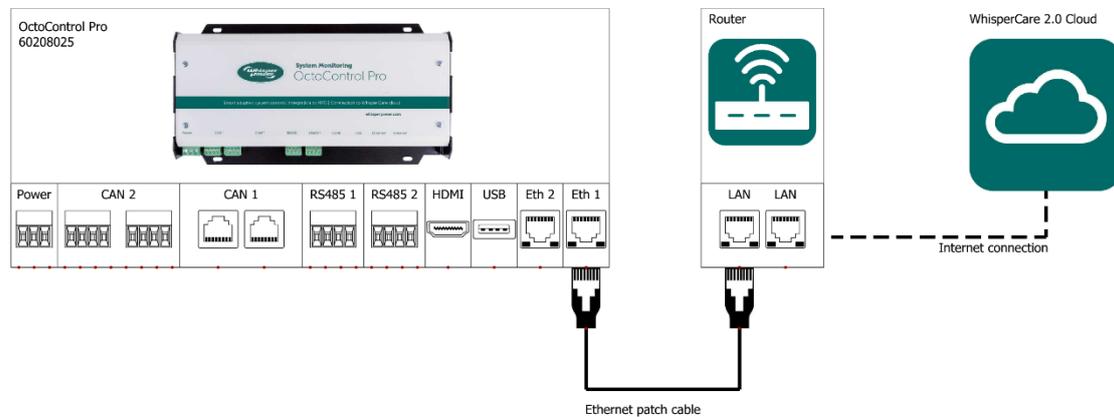
3.9.1. Utilizing the WhisperCare 2.0 4G router



When no internet connection is available a WhisperCare 2.0 4G router can be used. Connect an ethernet patch cable between the OctoControl Pro and the WhisperCare 2.0 4G router. Use the ethernet¹ port on the OctoControl Pro. Install the sim card into the router. Configure the router following the WhisperCare 2.0 4G router manual.

Once an internet connection has been established login into the WhisperCare 2.0 cloud portal and follow the instructions.

3.9.2. Using an existing internet connection

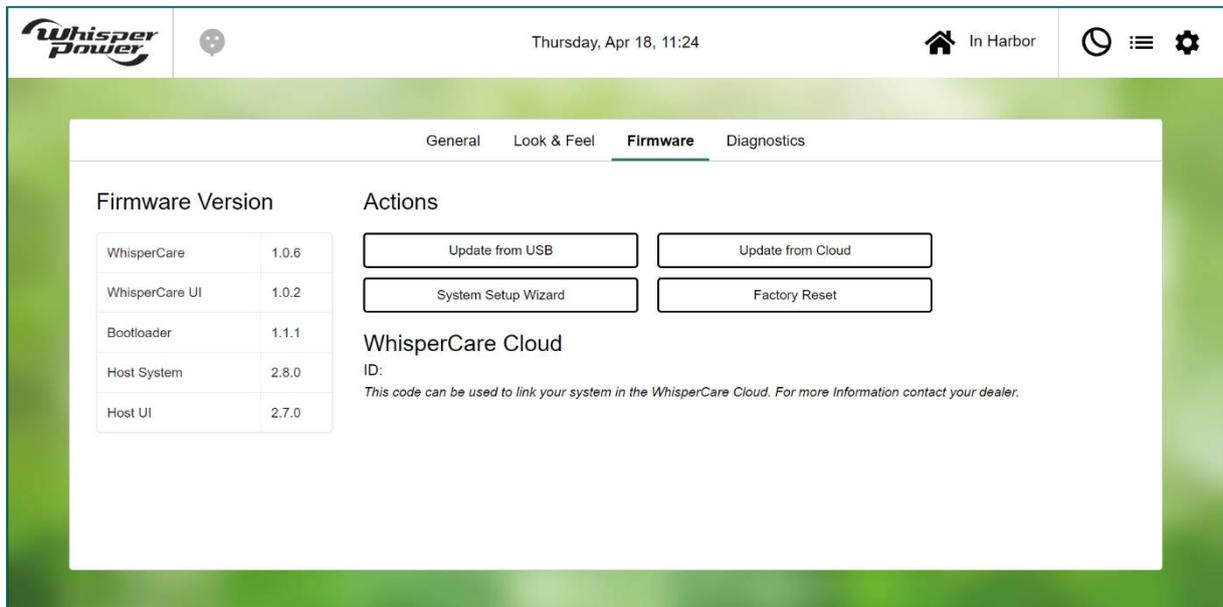


Connecting the OctoControl Pro to the internet allows the use of the WhisperCare 2.0 cloud portal. An energy system can be monitored and controlled using this portal. Furthermore, automatic notifications can be sent in case the energy system needs attention.

Connecting the OctoControl Pro to the internet is very straightforward. Simply connect an ethernet patch cable between the OctoControl Pro and a local network on which internet is available. Use the ethernet¹ port on the OctoControl Pro. The OctoControl Pro will automatically find the WhisperCare 2.0 server and establish a connection. From there login into the WhisperCare 2.0 cloud portal and follow the instructions.

4. Update Firmware

In order to update the OctoControl go to your settings on the OctoControl. Select the firmware tab. Here you can find the Firmware Version and the WhisperCare Cloud ID. Here you can start an update with “Update From USB” or “Update From Cloud”, go to the “System Setup Wizard” to configure the system configuration or perform a “Factory Reset”.

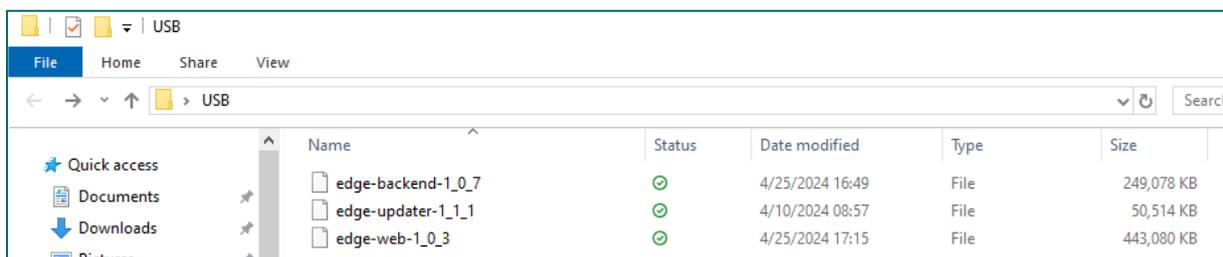


4.1. Update From USB

Updating the system using a USB Flash drive is available from Bootloader version 1.0.0. If the version is lower than 1.0.0. or you see an empty Firmware page then please contact your dealer for more information.

4.1.1. Downloading the software

The WhisperCare software files can be found on the dealer portal. Dealer have access to the portal, customers can contact their dealer to request the latest software available for the OctoControl Pro. The files need to be copied on a USB Flash drive in the main/root folder. The picture below shows an example how the files should look like on a USB flash drive.



CAUTION!

Place the files on an empty USB Flash drive. If other files are present, the update will be affected and could possible fail.

4.1.2. Updating the OctoControl Pro

With the USB Flash drive prepared the update processes can be started. It is important you can access the OctoControl Pro so you can insert an USB Flash drive. The OctoControl Pro must be powered on and power may not be removed during the update.

An update can be started from a OctoView Or Any supported MFD. On the OctoView you might see a couple of application restarts before completion.

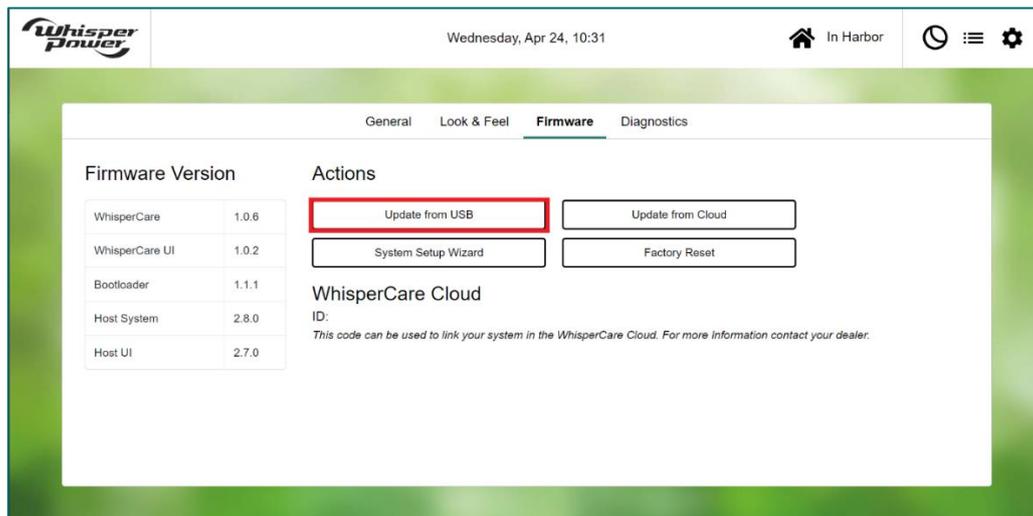
**CAUTION!**

The application Update can take up to 10 minutes to complete.

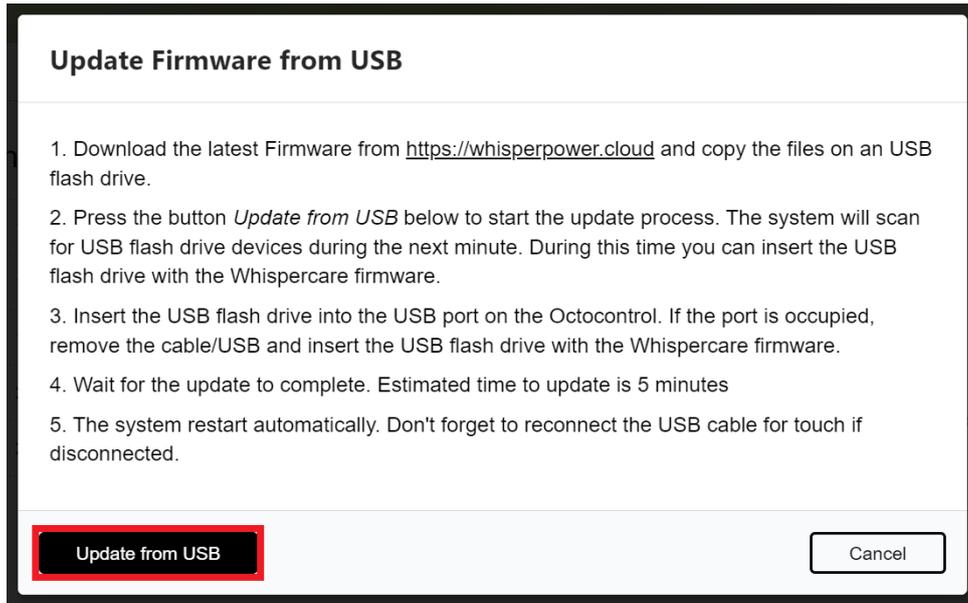
**CAUTION!**

During the update the smart modules are disabled. This means generator auto start does not work during the update.

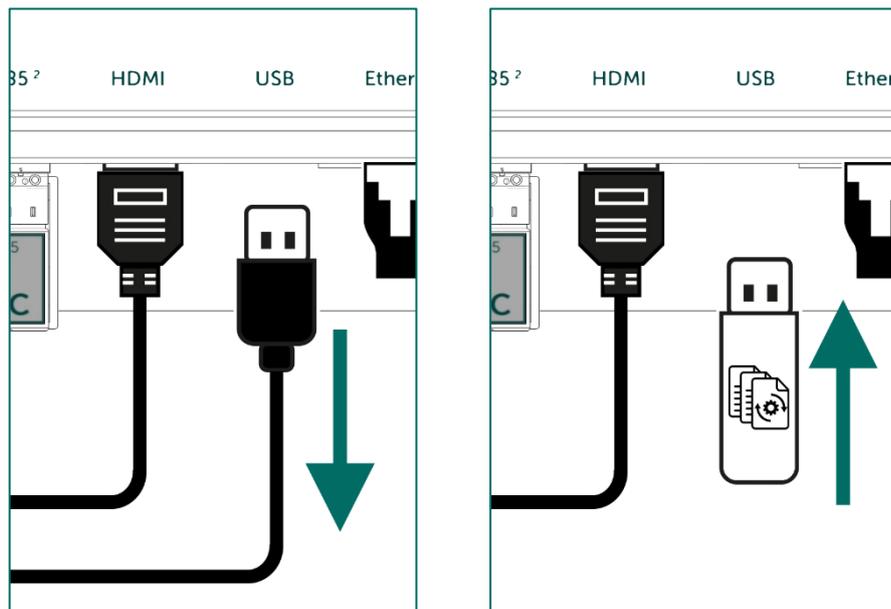
4.1.3. Update procedure with an OctoView Touch Monitor



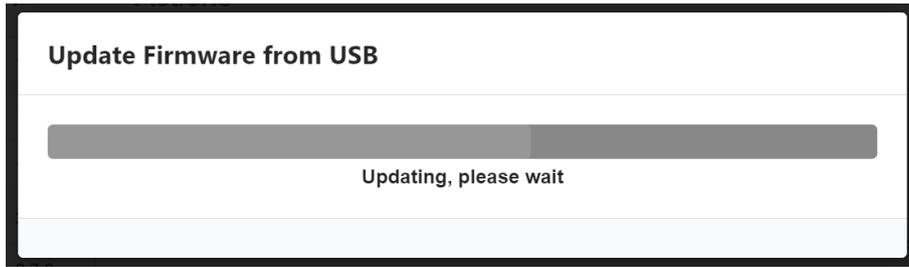
1. On the OctoView Touch Monitor, go to "Settings", select the "Firmware" tab. Press "Update from USB".



2. A popup screen appears describing the update procedure. Make sure to read the procedure properly. Press “**Update from USB**” button to start the update procedure. The unit will start scanning for USB devices.



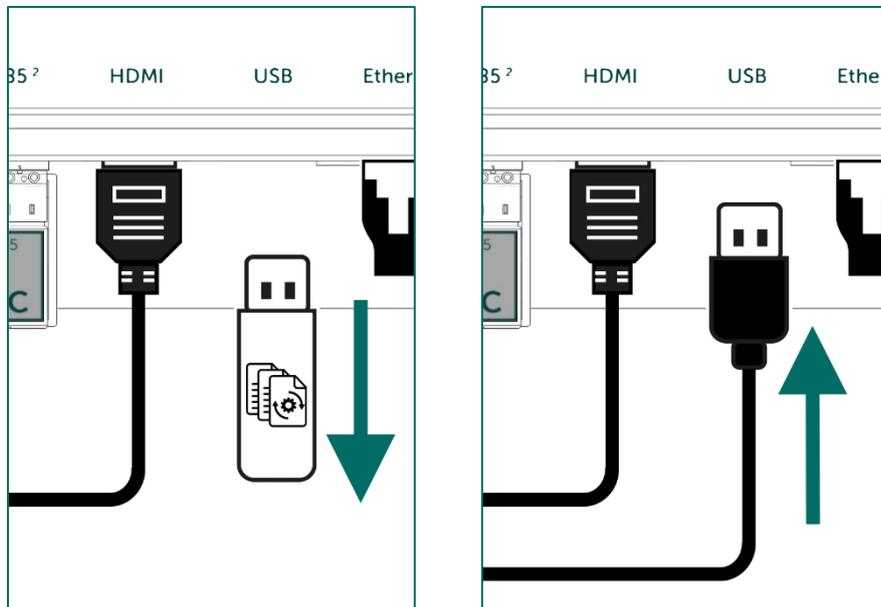
3. Remove the OctoView Touch Monitor USB cable from the OctoControl Pro. Insert the USB device with the WhisperCare update files. This needs to be completed within 60 seconds after pressing “Update from USB” in the previous step.



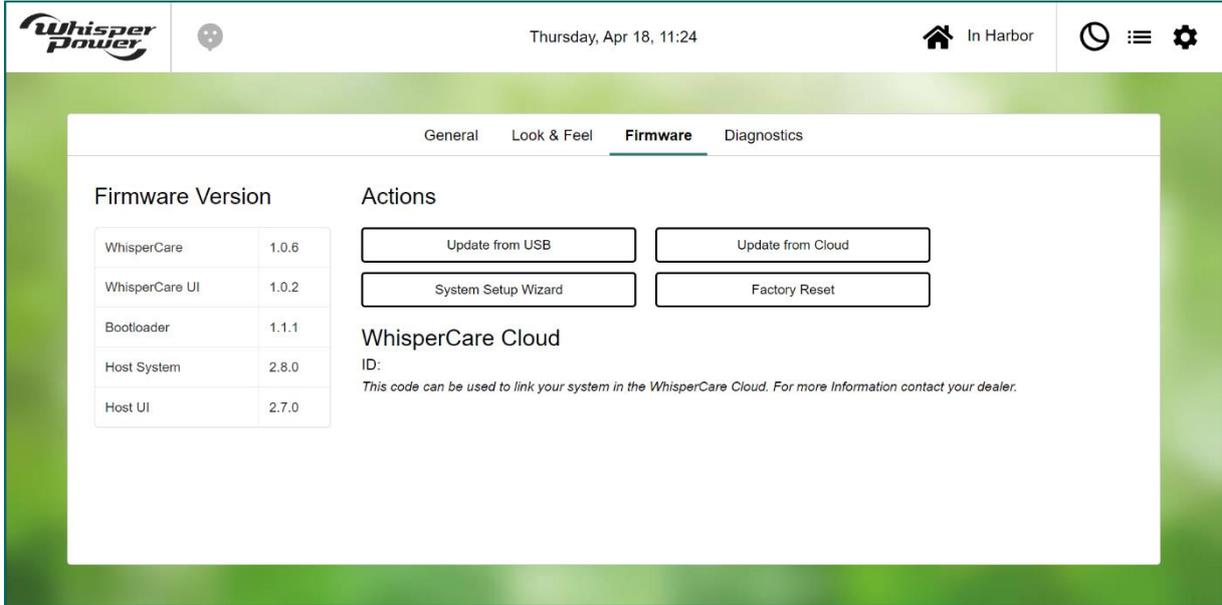
4. The OctoControl will find the USB and start the update. The update can take up to 10 minutes to complete. The application will restart a couple of times. This is normal behaviour.



5. When the home screen is shown. You have to wait an additional 5 minutes in order for the OctoControl Pro to fully complete the update in the background.

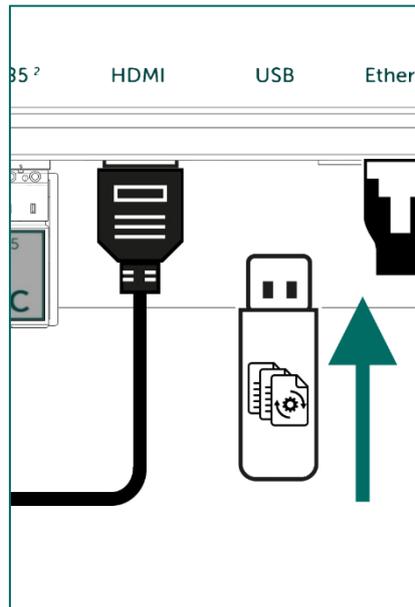


6. Remove the USB flash drive. Reinstall the OctoView Touch Monitor USB cable.

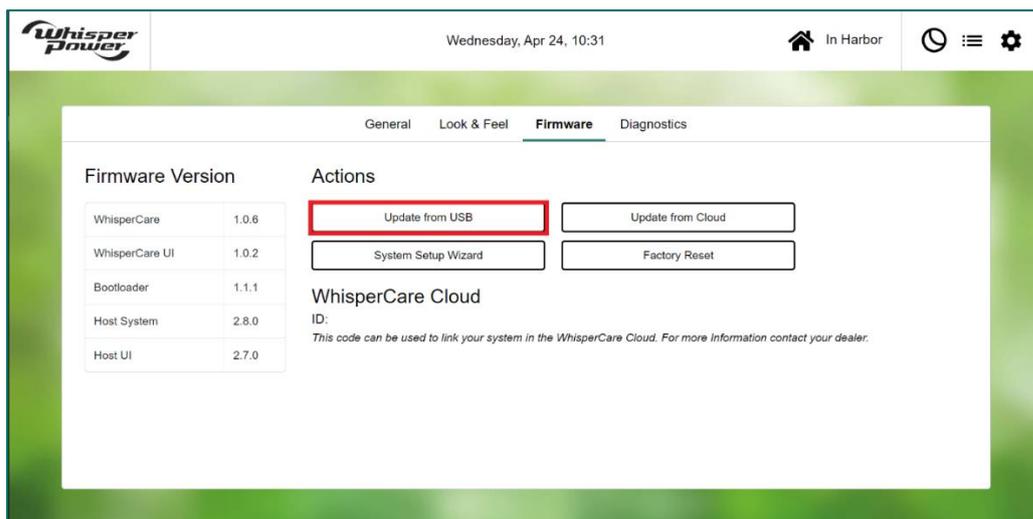


- 7. You can check if the update was successful by checking if the versions changed on the Firmware tab

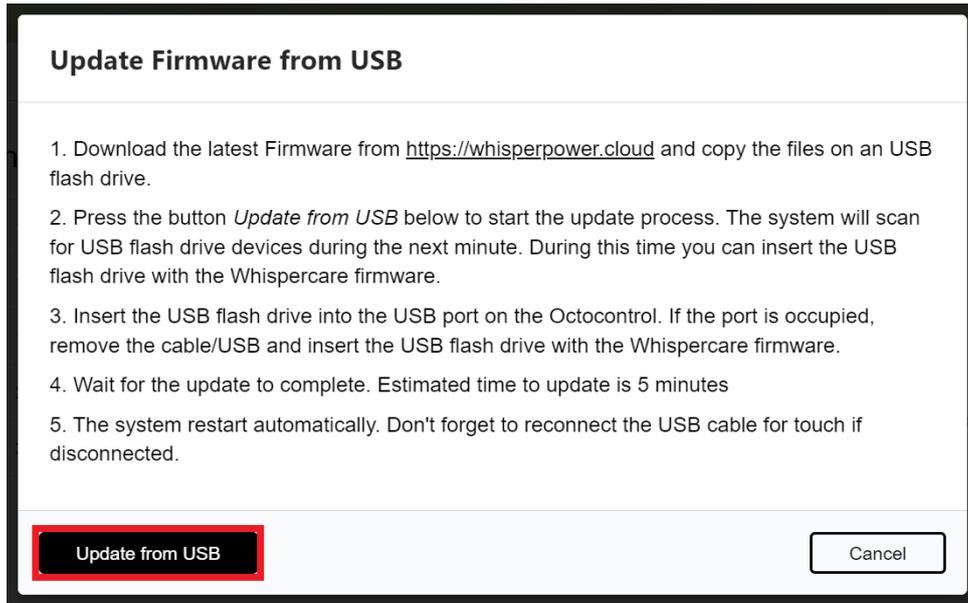
4.1.4. Update procedure with a MFD



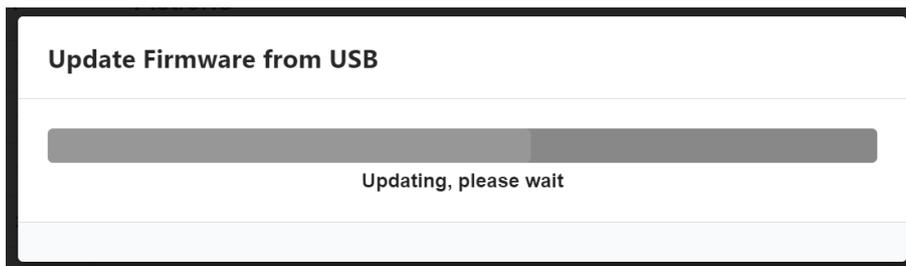
1. Insert the USB device with the WhisperCare update files.



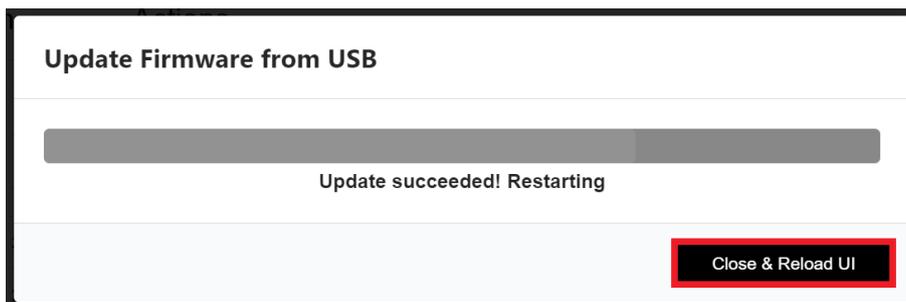
2. On the MFD, open the WhisperCare app, go to "Settings", select the "Firmware" tab. Press "Update from USB".



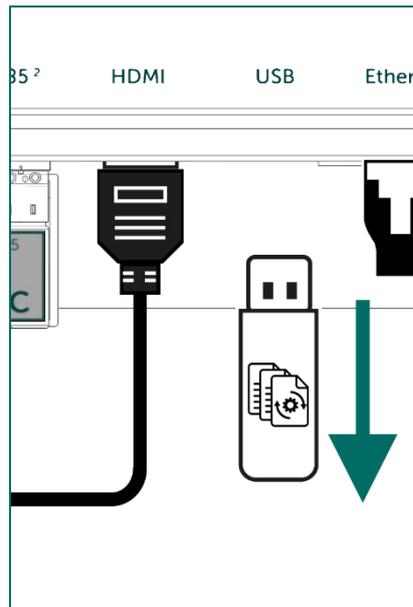
3. A popup screen appears describing the update procedure. Make sure to read the procedure properly. Press “**Update from USB**” button to start the update procedure. The unit will start scanning for USB devices.



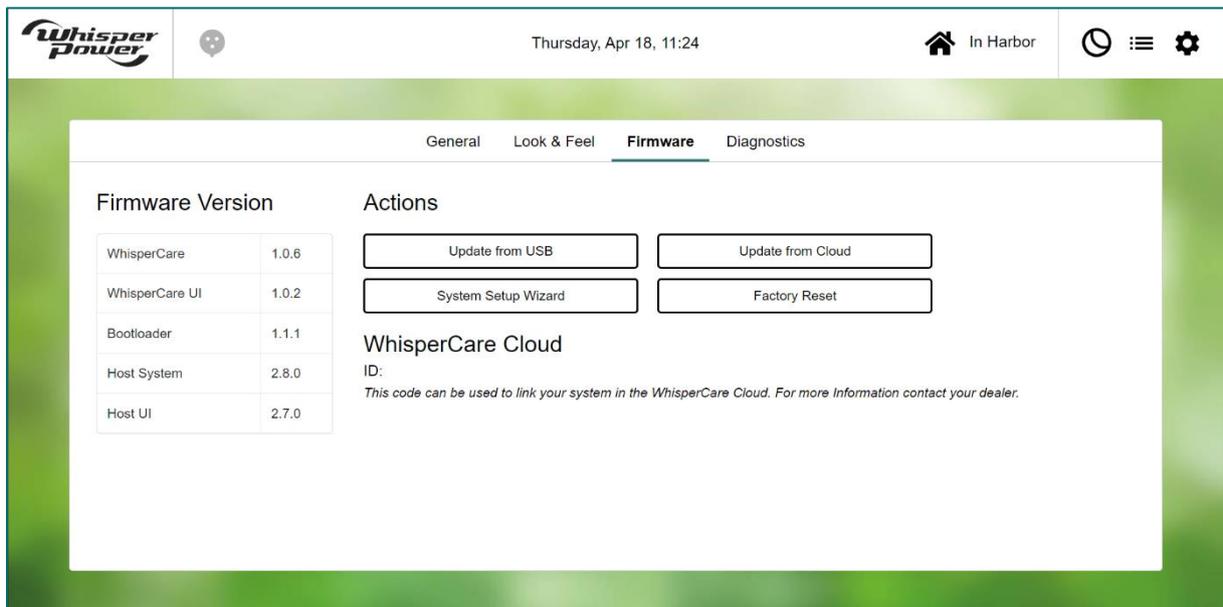
4. The OctoControl will find the USB and start the update. The update can take update 10 minute to complete.



5. When the update is complete, press “**Close & Reload UI**”. This will redirect you to the home screen.

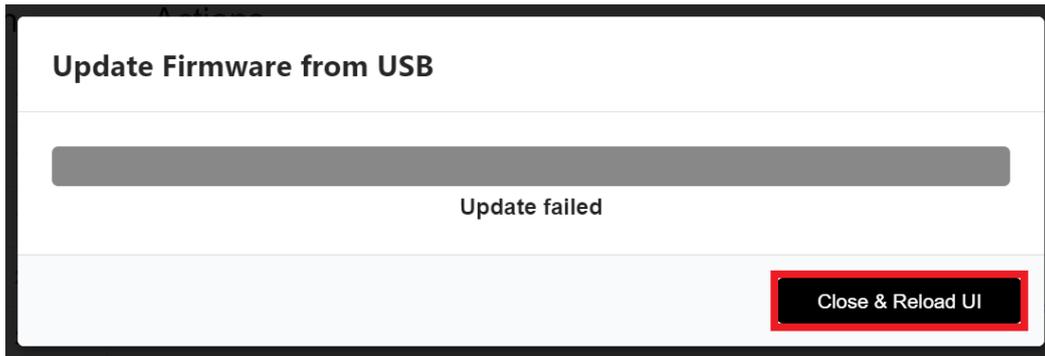


6. Remove the USB flash drive containing the WhisperCare update files.



7. You can check if the update was successful by checking if the versions changed on the Firmware tab

4.1.5. Update failed



If an update fails to install, it will revert back the installation and show the message “Update failed”. Exit the popup by pressing the button “**Close & Reload UI**”. You can start from step 1 again. If it still fails to update after a retry, please contact your dealer for support.

4.2. Update From Cloud

This feature is not implemented yet

4.3. Factory Reset

A factory reset will bring the system back to a default state. This does mean that the current settings and data will be removed and. A factory reset will not reset the firmware version. All installed firmware will stay on the same version.



WARNING!

Performing a Factory reset will remove any persistent data on the OctoControl Pro. After performing the reset, the OctoControl Pro needs to be configured before being useful again.

5. Troubleshooting

5.1. Fault finding table

Fault	Possible cause	Recommended action
Unit does not turn on	No DC input	Check wiring, check power source
	Defective fuse	Check wiring, check polarity
The OctoView Touch Monitor displays a black screen	HDMI cable installed incorrectly	Check HDMI cable. Connect HDMI cable between OctoControl Pro and OctoView Touch Monitor
The touch screen does not work on the OctoView Touch Monitor	USB cable installed incorrectly	Check USB cable. Connect USB cable between OctoControl Pro and OctoView Touch Monitor
The MFD does not show the WhisperCare icon	Ethernet cable installed incorrectly	Check ethernet cabling
	Router not installed	Simrad and B&G need an additional router installed between the OctoControl Pro and MFD
No information from generator equipped with DDC	DDC bus connected incorrectly	Check DDC bus cabling, make sure to use the correct cables. Check the connection to the OctoControl Pro
	OctoControl Pro settings not set	Check the settings on the OctoControl Pro, execute the setup wizard
No information from WhisperConnect compatible device	WhisperConnect bus connected incorrectly	Check WhisperConnect bus cabling, make sure to use the correct cables. Check for the correct use of terminators. Check the connection to the OctoControl Pro
	OctoControl Pro settings not set	Check the settings on the OctoControl Pro, execute the setup wizard
Information updates slow on the screen	WhisperConnect integrity is low, WhisperConnect bus installed incorrectly	Check if the WhisperConnect bus is properly functional with the WhisperConnect tool

5.2. Checking software version

In case of a fault, your WhisperPower representative may need the software version to provide the best support. The software version can be found in the settings menu. From there select the firmware tab. Please note all software versions listed on this page. Additionally, specific usage data can be found in the diagnostics tab.

Firmware Version	
WhisperCare	1.0.0
WhisperCare UI	1.0.0
Bootloader	1.0.0
Host System	1.0.0
Host UI	1.0.0

6. Technical specifications

6.1. Electrical specifications



	OctoControl Pro	OctoControl Pro 4G
Article number	60208025	60208030
Electrical Specifications		
Input voltage	8-32 V DC	8-32 V DC
Power consumption	< 500 mA @ 12 V DC	< 500 mA @ 12 V DC
Operating temperature	-20°C to +40°C	-20°C to +40°C
Storage temperature	-40...80 °C, Relative humidity inoperation/ storage up to 95% non-condensing	-40...80 °C, Relative humidity inoperation/ storage up to 95% non-condensing

6.2. Technical specifications



	OctoControl Pro	OctoControl Pro 4G
Article number	60208025	60208030
Technical specifications		
System communication	WhisperConnect DDC bus WPC bus Lithium Power Plus	WhisperConnect DDC bus WPC bus Lithium Power Plus
System support	Single devices and/or OctoPower systems	Single devices and/or OctoPower systems
Cloud integration	Yes	Yes
Cloud connection	Ethernet	Ethernet, 4G via included WhisperCare 2.0 router (SIM card not included)
OctoView monitor support	Yes	Yes
OctoView monitor connections	HDMI + USB	HDMI + USB
MFD integration support	Yes	Yes
MFD brands supported	Raymarine, Garmin, Simrad, B&G	Raymarine, Garmin, Simrad, B&G
MFD integration method	HTML5	HTML5
MFD connection	Ethernet	Ethernet

6.3. Connections



	OctoControl Pro	OctoControl Pro 4G
Article number	60208025	60208030
Connections		
Power	3 pin pluggable screw connector	3 pin pluggable screw connector
CAN #1	2x RJ45 (pinout following WhisperConnect standard) (galvanic isolated)	2x RJ45 (pinout following WhisperConnect standard) (galvanic isolated)
CAN #2	2x 4 pin pluggable screw connector (galvanic isolated)	2x 4 pin pluggable screw connector (galvanic isolated)
RS485 #1	4 pin pluggable screw connector (galvanic isolated)	4 pin pluggable screw connector (galvanic isolated)
RS485 #2	4 pin pluggable screw connector (galvanic isolated)	4 pin pluggable screw connector (galvanic isolated)
HDMI	HDMI	HDMI
USB	USB2.0 type A	USB2.0 type A
Ethernet #1	RJ45	RJ45
Ethernet #2	RJ45	RJ45
Mobile 4G		Via included WhisperCare 2.0 router

6.4. Mechanical specifications



	OctoControl Pro	OctoControl Pro 4G
Article number	60208025	60208030
Mechanical specifications		
Dimensions (w x d x h) (mm)	267 x 40 x 145	267 x 40 x 145
Weight (kg)	< 0.5	< 0.5
Installation advice	For interior use	For interior use
Delivery scope	OctoControl Pro	OctoControl Pro + WhisperCare 2.0 router

6.5. Regulations and directives



	OctoControl Pro	OctoControl Pro 4G
Article number	60208025	60208030
Regulations and directives	EMC (2004/108/EC)	EMC (2004/108/EC)
	Emission: EN 55022 (Class A/B residential/light industrial use)	Emission: EN 55022 (Class A/B residential/light industrial use)
	Immunity: EN 61000-6-2, marine suitable or better	Immunity: EN 61000-6-2, marine suitable or better
	Low Voltage Directive	Low Voltage Directive
	LVD (2006/95/EC)	LVD (2006/95/EC)
	EN 60950: Safety of information technology equipment	EN 60950: Safety of information technology equipment

6.6. EU declaration of conformity

Manufacturer: WhisperPower BV

Address: Kelvinlaan 82, 9207 JB Drachten, The Netherlands

Hereby WhisperPower declares under our responsibility that product: OctoControl Pro is in conformity with the following provisions of the EC:

- 2004/108/EC (EMC Directive), the following harmonized standards having been applied:
- EN 55022:2010 (Information technology equipment - Radio disturbance characteristics- Limits and methods of measurement)
- EN 61000-3-2:2006 (Electromagnetic compatibility [EMC] Part 3-2: Limits- Limits for harmonic current emissions)
- EN 61000-6-1: 2007 (Electromagnetic compatibility [EMC], Generic standards. Immunity for residential, commercial and light-industrial environments)
- EN 61000-6-2: 2007 (Electromagnetic compatibility [EMC] Part 6-2: Generic standards- Immunity for industrial environments)
- EN 60945:2002 (Maritime navigation and radiocommunication equipment and systems)
- 2006/95/EC (Low Voltage Directive), the following harmonized standard having been applied:
- EN 60950: 2000 (Safety of information technology equipment)

Drachten,
M. Favot, C.T.O. WhisperPower B.V.

A handwritten signature in black ink, appearing to read 'M. Favot', is written over a horizontal line.



Enjoy Green Energy

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