

1 ASSEMBLY INSTRUCTION



Equipment commissioning: Make sure the MD35 is not powered when connecting/disconnecting any sensor. A connection or disconnection of a MD35 analog input while powered on could damage the product.

1. Sensor connection


If the MD35 sensors are not factory wired, start by connecting the desired sensors to the inputs of the product. Refer to the MD3500 wiring diagram for connection details.

2. Battery connection

Before the MD35 is commissioned, plug in the battery:

- Internal battery (standard): open the product by turning the MD35 head (blue part of the product) anticlockwise by 1/8 of a turn and connect the battery. Then properly close the product making sure to turn the blue lid clockwise until stop.
- High-capacity external battery (option): connect the circular connector of the external battery to the corresponding connector located on the black part of the MD35 enclosure.


3. Activate the MD35

To activate the product, press the front button  for approximately 5 seconds, until a green LED lights up on the front panel of the MD35. Release the button after the flash.

2 MODE OF OPERATION

The MD35 has 3 modes of operation:

- "Standby" mode (ORANGE LED on click)
- "Acquisition" mode (blinking GREEN LED)
- "Configuration" mode (blinking BLUE LED)

Press the front panel button  to navigate between modes, as indicated in Figure 1.

In "Standby" mode you can remove the SIM card or SD card, as well as connect or disconnect physical inputs.

The "Acquisition" mode is the operating mode of the MD35. In this mode, the device acquires the signals from the connected sensors and saves them to the internal memory. If the data communication option is enabled, the recorded data is sent across the cellular network at the set interval time.

The "Configuration" mode is used to activate the WiFi local network generated by the device, to configure the MD35.

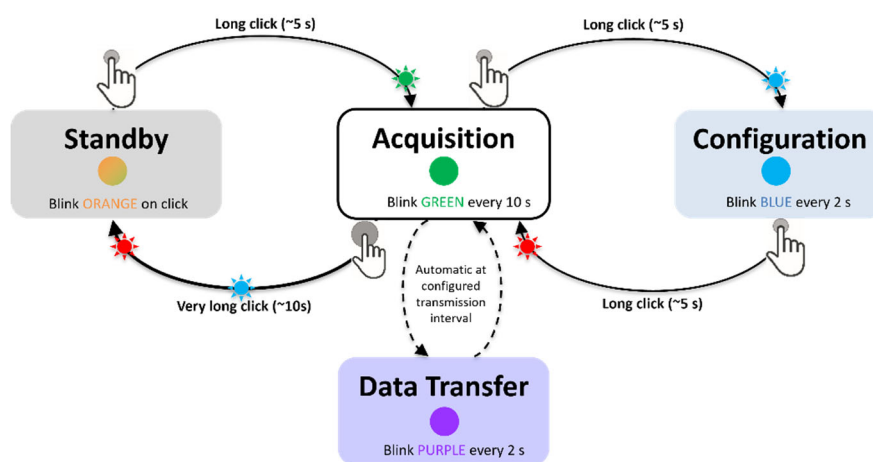
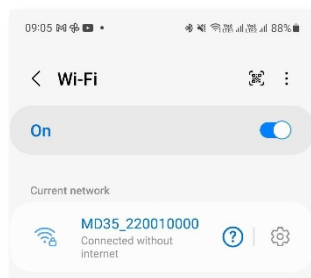


Figure 1: Logic diagram showing the devices various modes of operation and how to switch from one to another.

3 PRODUCT CONFIGURATION

1. Activate "**Configuration**" mode on your MD35 as indicated in the previous section (from "**Acquisition**" mode, press the button for 5 seconds).
2. Connect your smartphone, tablet, or computer to the WiFi network generated by the MD35.
The network has the **default name**: MD35_<serial number>
The default **password** is: MD35_<last 4 digits of the serial number>

 **We strongly recommend changing the default password at first installation.**

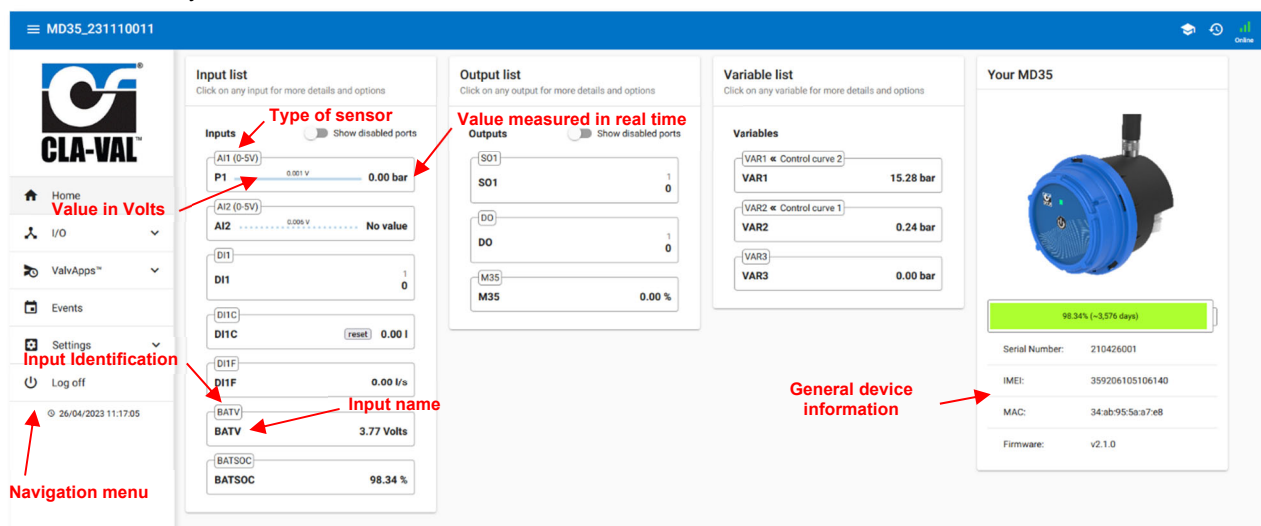


Note: The network generated by the MD35 has no Internet access. Any error messages about this can be ignored.

3. Enter the address <http://192.168.4.1> in your usual internet browser, or scan the following QR code using a QR code reading application:

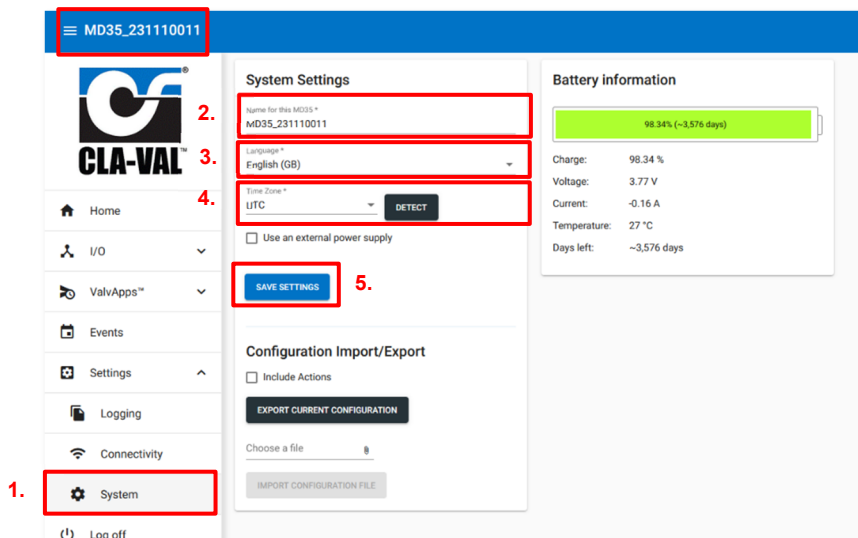


4. After a few seconds, the configuration interface of your MD35 will be displayed on the default browser.
5. The home page displays the measured values in real time. It also contains the web browsing menu as well as other useful information of your MD35.



4 BASIC SYSTEM SETTINGS

1. Click on the "System" menu.
2. Give your MD35 a name.
3. Select the language of the interface.
4. Select your time zone using the "DETECT" button. If the time zone is not detected automatically, you can choose it manually with the "Time Zone" drop-down menu.

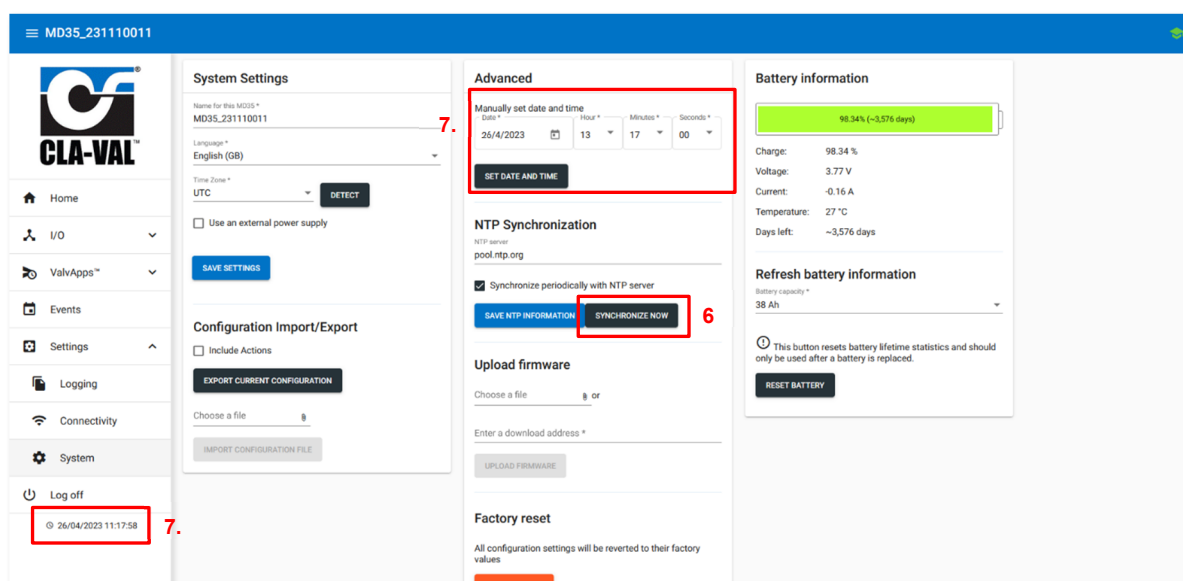


5. Click on "SAVE SETTINGS" to apply the changes.
6. Click on "SYNCHRONIZE NOW" to update your unit's clock immediately.




This operation can only be performed if the MD35 is connected to the cellular network (option). If not, go directly to step 7.

7. Check that the time displayed on the clock under the navigation menu is correct. If not, you can manually set the time in "Manually set date and time". Click on "SET DATE AND TIME" to have the change applied.



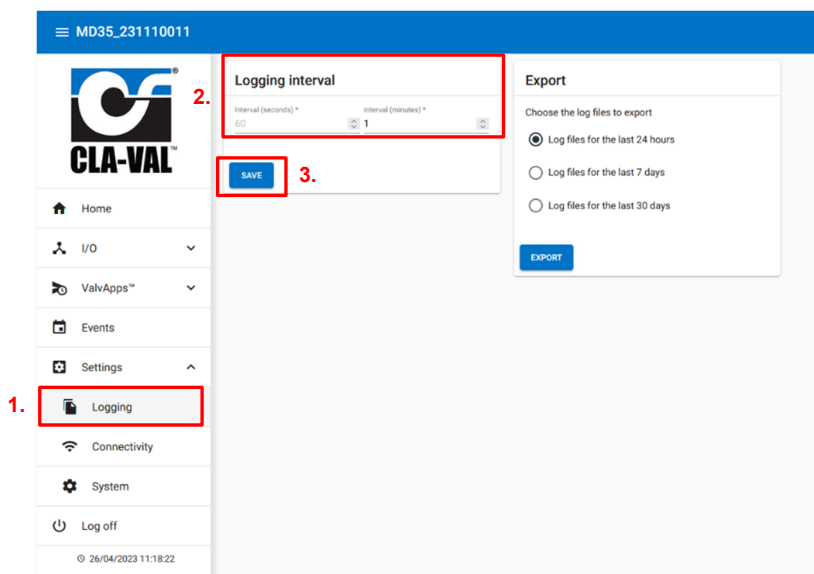
5 LOGGING SETTING

1. Click on "  **Logging**" menu to access the corresponding configuration page.
2. Choose a recording interval. This interval manages the periodic recording of all activated inputs.




Logging interval has an impact on the battery life. It is highly recommended to set a logging interval to one minute or more to ensure a longer battery life.

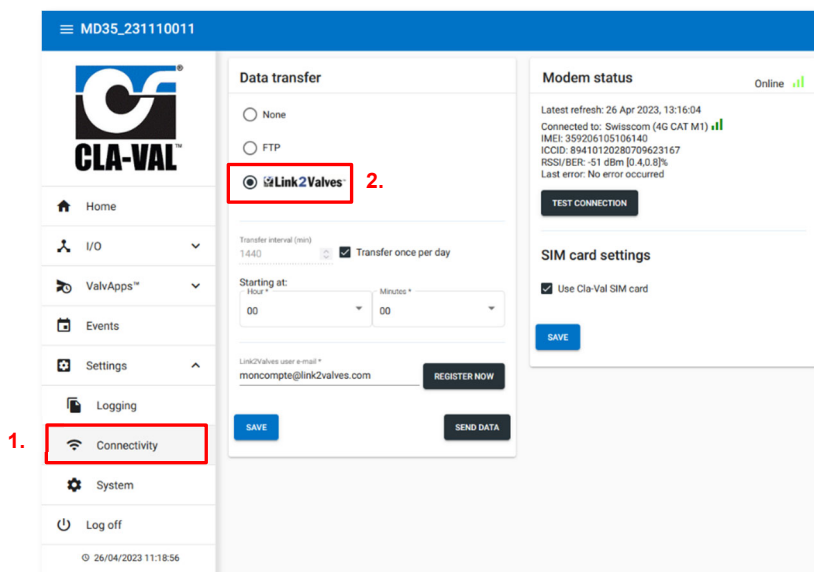
3. Click "**SAVE**" to apply the changes.



6 REGISTER ON LINK2VALVES (COMMUNICATION OPTION)

Link2Valves™ is the CLA-VAL web platform (<https://cla-val.ch>) that allows the remote access to your MD35. A Link2Valves account is necessary. Please contact CLA-VAL to get one for free if you don't have it yet.

1. Click on the "  **Connectivity**" menu.
2. Under "**Data Transfer**", choose the "**Link2Valves**" option.




3. Choose the transfer interval and the time when the transfer will start. This interval will determine the frequency of communications of the MD35 and Link2Valves. Please note that a faster interval will have a negative impact on the battery life and generate potential additional data communication costs.
4. Associate the MD35 unit with your Link2Valves user account. First, enter the email address of your Link2Valves account. If you do not have one, please contact CLA-VAL to get one for free. Then click on **"REGISTER NOW"** and wait for the message **"Success! "**.
5. Don't forget to click **"SAVE"** for your changes to take effect.

Data transfer

☐ None

☐ FTP

☒  Link2Valves™

Transfer interval (min)

1440

☒ Transfer once per day

Starting at:

Hour *

00

Minutes *

00

Link2Valves user e-mail *

myaccount@link2valves.com

REGISTER NOW

SAVE

SEND DATA