

EasyNOx – NOx Monitoring

New Software – Release 2.2.0

As of now all EasyNOx devices are delivered by MOTORTECH with software version 2.2.0.

To update an EasyNOx, please read the section Software Update in the latest version of the operating manual, which can be downloaded at www.motortech.de.



Download

The new EasyNOx software and the latest operating manual can be downloaded from the MOTORTECH Download Center:

<https://www.motortech.de/download-center/download-center.html>



WARNING

Risk of software damage!

Deactivate the screen saver when updating from software version 1.8.0 or older. Otherwise, this may result in the EasyNOx no longer displaying the operating manuals properly via the Help button.



NOTICE

Update to software version 1.8.0 or higher

Be sure to observe the section *Fixing of Calculation* on page 10 when updating from one of the lower software versions to software version 1.8.0 or higher.



NOTICE

Back up data from device and NOx monitor

Before updating the software, back up the activated devices (see in chapter *General Operation* the section *Devices* in the EasyNOx operating manual) and the EasyNOx configuration (see section *Display* in the EasyNOx operating manual).

To back up the logs and the logbook of the NOx monitor, remove the memory card from the EasyNOx when it is powered off.

The folders and data on the memory card must remain unchanged.

For each year the NOx monitor has logs for, a folder with the corresponding year number exists on the memory card. Back up the desired year folders to a PC.

To back up logbooks, back up the desired *Logbook_x* folder (0 = first NOx monitor, 1 = second NOx monitor) to a PC.

After the data backup, first insert the memory card into the EasyNOx before supplying the EasyNOx with power again. When inserting the memory card, make sure that it is not write-protected by an accidentally flipped write-protect switch.

New Functions and Modifications

Release 2.2.0 – 2025-05-12

NOx monitor

- **New function:** In addition to the release via the analog load signal, the manifold pressure, or a binary signal, a specific exhaust gas temperature at the catalyst outlet can be configured for normal operation detection.
- **New function:** The NOx monitor now records the averaging time and includes it in the logs and reports.
- **Bugfix:** In order to determine NOx failure times, the final daily average determined by the EasyNOx (24h Average in the *NOx Monitoring view*) is now used at the end of the operating day and not recalculated from the respective daily averages of the oxygen and nitrogen oxide readings. Fixing of Calculation Error
- **Update:** In the NOx monitoring report, the footnote "Last daily value entry" was added to the entries *NOx Average* and *O₂ Average* in the summary.
- **Update:** In the *NOx Sensor view*, the MOTORTECH part number is no longer displayed in the title area.
- **Update:** The format of the CSV files that are exported via the *NOx Export view* is now adapted to the set system language. In addition, Windows-1252 is used as character set instead of UTF-8.

MIC3/3+, MIC4, MIC5, MIC6

- **New function:** The EasyNOx can now integrate an ignition controller MIC6.
- **Bugfix:** An error was fixed that in certain cases caused the ignition output status to be displayed with a delay via the corresponding status display in the *Overview*.

DetCon2/16/20

- **New function:** The *Knocking Intensity* view now displays the knock sensors in use via a green status display.
- **Bugfix:** An error was fixed that could cause the EasyNOx to crash when saving a firing order in the *Preferences view*.

General

- **New function:** The connection status symbol at the bottom right of the menu bar, which shows the connection status of the EasyNOx with devices at the CAN bus interface CAN1 (CANopen®), now also shows the status that no appropriate device has been added to the configuration.
- **Update:** The addition of device activations is also confirmed by a dialog when pop-ups are deactivated.
- **Update:** For better readability, the background color of file dialog windows in night mode was optimized.
- **Update:** The detonation controller information was extended in the configuration and service PDFs.
- **Update:** Added devices are only displayed as being connected if the device type set in the EasyNOx matches the device.
- **Bugfix:** Errors in the update installation program were fixed that caused the software update to abort and obsolete images provided by MOTORTECH not to be deleted from the slide show.
- **Bugfix:** An error was fixed that could lead to a crash in the *Display Configuration* view if the demo mode was activated while generating the service report.
- **Bugfix:** An error was fixed that caused the slide show not to work.