



TMG IO-Link USB Master V2 - DLL

Release Notes

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## 1. Introduction

This document contains all relevant changes of the IO-Link USB Master V2 - DLL.

Note: only the relevant change notes are copied into this document. There are some minor changes like new comments or similar which will not reach this file.

The change notes are marked with the following reasons:

- **Bugfix:** fixes some misbehavior/error which was reported/observed on previous software-releases
- **Improvement:** improves a situation that was not satisfying but did not cause any wrong behavior
- **Modification:** Some function or interface was modified which might require the customer to adapt its source to it
- **Preliminary:** A function which is implemented but not thoroughly tested, expect errors and thus modification in further release
- **Missing:** Something where we know it is not packed within the current bundle but we hope to deliver at a next release

## 2. Release Notes

### 2.1 Revision 2.3.1 / 2.3.1 (Release Date 2025-07-07)

- Preliminary: a new function to log the process data into a buffer instead of a file has been added. It's possible to even log the process data for each IO-Link cycle. For this feature, the latest firmware should be updated to the USB Master.

Note that this feature is not supported in all versions of the firmware. If not, an error code will be issued.

- Improvement: the 64bit C-DLL and dotnet-DLL has been added to the delivery. The sample applications are now available in 32 and 64 bit.

### 2.2 Revision 2.3.0 / 2.3.0 (Release Date 2023-11-29)

- BugFix: The password was not correct written to the device during firmware update.

### 2.3 Revision 2.2.0 / 2.2.0 (Release Date 2023-07-10)

Due to introduction of IO-Link safety (not contained in the standard version) and the Integration of additional OEM versions the version has been incremented to 2.2.0.

There is no need to exchange the data, since there were no technical changes due to bug fixing.

### 2.4 Revision 2.1.12 / 2.1.0 (Release Date 2023-03-8)

This is only a patch release since some files were missing. The content or the version of the DLLs didn't change.

### 2.5 Revision 2.1.12 / 2.1.0 (Release Date 2023-02-28)

From this version we show both version number of the C-DLL and the dotnet DLL in the release history. The first number (2.1.12) is the version of the C-DLL which is the basic communication layer. In this release it has been unchanged. The second number shows the version of the dotnet DLL which is the adapter to dotnet applications.

#### **C-DLL**

No changes

#### **DOTNET DLL**

The basic dotnet framework for the DLL has been changed from Version 2.0 to at least 4.6.1. the version 2.0 of dotnet is not easy to install, and therefore we have changed the basic framework to the one which is available on Windows 10/11.

## 2.6 Revision 2.1.12 (Release Date 2022-02-07)

This version has been upgraded with the support of several groups of functions. In addition, some names have been changed.

- Improvement: The IO-Link firmware update functionality has been added to the DLL interface
- Improvement: The IO-Link BLOB functionality has been added to the DLL interface
- Modification: the name for the counters has been changed from EMC to Statistic. Please note that there might be compile error if you have used this function before. In this case you have to change the names of functions and variables.  
The change was done because these functions are not only for EMC testing, but for statistic purposes which are running the whole time, even in normal operation mode.
- Improvement: The service IOL\_GetHWInfo has been added to get some information about hardware and power supply.
- Improvement: The function IOL\_SetTransparentModeExt has been added where a port can be set for the transparent mode. Note that not all firmware versions will support this function. If not, an error code will be given as a result.