

Resolve Blocking of USB-Driver (Win Update 2026)

TN23

Technical Note for the KLIPPEL R&D and QC SYSTEM (Document Revision 1.2)

Please note that this document is under heavy investigation and changes regularly. Please check out the latest version under <https://klippel.de/go/TN23>.

Most important short-term solution to avoid running into problems go directly to chapter “Short Term Recommendations”.

1 Introduction

With the Windows 11 updates

- [KB5083631](#) (OS Builds 26200.8328 and 26100.8328 released April, 30th 2026) and
- [KB5089570](#) (OS Build 28000.2179 released May, 26th 2026).

Windows introduced a massive change in the Windows Driver Policy. The trust for cross-signed drivers was removed.

Klippel uses a cross-signed driver for the usage of Klippel Analyzers (PA2 and KA3). Installing this update has the following consequences:

1. The system is entering the (newly introduced) evaluation mode. This runs for 100 h (accumulated up-time) and 3 reboots on Windows 11.
2. If a cross-signed driver is loaded in the evaluation mode, the evaluation mode restarts (with 100 h and 3 reboots).
3. After 100 h and 3 reboots without loading any cross-signed driver, the PC enters enforcement mode. The cross-signed Klippel driver will be blocked and our customers face a potential downtime for their Klippel measurement system.

For more information see

<https://support.microsoft.com/en-us/windows/the-windows-driver-policy-eed2a78c-750c-415d-93f2-e37302ce0443>

and

<https://techcommunity.microsoft.com/blog/windows-itpro-blog/advancing-windows-driver-security-removing-trust-for-the-cross-signed-driver-pro/4504818>.

To check if your system is already in evaluation or enforcement mode, we provide you with a script that analyzes your system and creates a small report.

2 Long Term Plan

Klippel is working on a new driver that complies with the Windows Hardware Compatibility Program (WHCP) with high priority.

3 Check your System State

We have prepared a small script to identify if your system is currently in evaluation mode or enforcement mode and if the dedicated driver loading events are logged by your system.

Please download the script and refer to the corresponding documentation via <https://klippel.de/go/WinDriverPolicyCheck>.

4 Short Term Recommendations

If Windows updates cannot be postponed due to security concerns, we recommend to keep the system in evaluation mode and not to enter the enforcement mode. To do this it is mandatory to *keep the (powered) Klippel Analyzer connected via USB. At least once within those 100 h and 3 reboots* – of course we recommend to do this more often to be on the safe side.

5 Recommendations for Enforcement Mode

If your system has entered the enforcement mode, the affected Klippel driver will be blocked and the Klippel Analyzer cannot be used anymore.

Currently, we are evaluating workarounds and cannot give an proven recommendation on workarounds. The safest path is to use another PC.

The following options are now available:

1. Reset your Computer (or use another computer) to a snapshot before the April 2026 update was installed and avoid Windows updates.
2. Reset your Computer (or use another computer) to a snapshot when the evaluation mode was active and keep the system in evaluation mode.

- ~~3. Deactivate the driver signature enforcement, e.g.: <https://pureinfotech.com/disable-driver-signature-enforcement-windows-11/>~~

~~Notes:~~

- ~~• (v1.1) So far we had no success with the method “Disable driver signature enforcement on Windows 11 from Advanced Startup”.~~
- (v1.2) This has proven as a false information. This link shows workarounds for the installation of drivers, but does not help with the blocked driver due to enforcement mode.

Find explanations for symbols at:

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<http://www.klippel.de/know-how/literature.html>

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