

SINAMICS Startdrive V13 – Supplementary conditions

Supplementary conditions and functional limitations as well as notes on configuring and operating. These notes take precedence over statements made in other documents.

ID	Title	Restriction	Workaround
201554	HWCN: Crash during compilation and no routing via IE/PB link possible	<p>1. Operate link in "standard mode": No DS routing is possible via the IE/PB link to the drive with Startdrive.</p> <p>2. Operate link as "PROFINET IO proxy": No cyclical communication is possible between the IO controller and a G120. No connection to the drive is possible via the IE/PB link.</p>	<p>1. Operate link in "standard mode": The connection to the drive must be created directly via PB (without an IE/PB link).</p> <p>2. Operate link as "PROFINET IO proxy": A G120 drive must be connected via PN to the IO controller (without IE/PB link). The connection to the drive must be created directly via PN.</p>
208133	Hardware: Trace does not work with a PM configured offline (PM340)	The trace configuration cannot be loaded into the device when using a PM340 because when configuring with Startdrive, invalid cycle times are set. It is not possible to set a valid trace configuration and load it into the device on this basis.	The parameters should be loaded from the drive device because the correct cycle settings are available online. The device can then be used as usual in Startdrive.
211454	It should not be possible to get the master control of ACP (SMC) and CP (SD) at once.	The user obtains master control of the drive via the drive control panel. Then attempts are made to obtain master control via the axis control panel (technology object). Although the drive control panel is already active, the user can also obtain master control for the axis control panel (for the technology object). But when attempting to operate the drive, error number 421 occurs. The drive cannot be operated.	It is not possible to obtain master control for the drive control panel and axis control panel (for the technology object) at the same time.
498298	Invalid device name is not locked	If drive names with special characters (including Chinese) are assigned with Startdrive, the STARTER may not be able to interpret them. In such cases, the STARTER shows the name as ????. Special characters can be displayed with Startdrive.	If the drive name is also used with STARTER, the name must be assigned in accordance with the STARTER name conventions, i.e. without special characters.
498667	Startdrive: Load device in PG/PC -> IP address 0.0.0.0	When uploading a G120 PN drive with firmware V4.4 or V4.5 via the list of accessible devices or by "loading from device" in the offline project, instead of the drive's actual IP address, an incorrect IP address 0.0.0.0 is loaded into the project. This has a red background in the drive's device configuration. Concerns only devices with firmware V4.4 and V4.5.	The user must set the IP address manually in the offline project in the device configuration of the G120 PN drive.
856154	CU250S DP/PN and telegram 4 -> CPU cannot be compiled	Telegram 4 cannot be used for a CU250S-2 with V4.6. A compilation error occurs for the configuring of telegram 4.	A different telegram should be used or upgrade to V4.7.
856483	Project compatibility: a V12 SP1 project with a CU with created trace configuration cannot be opened with Startdrive Standalone V13	A project that was created with the Startdrive option package and contains only SINAMICS drives configured with a trace configuration can no longer be opened with Startdrive Standalone.	The project cannot be edited in Startdrive Standalone. In this case, TIA Portal with the Startdrive option package is required.
933369	HWCN: Hardware identification for the diagnostic channel is not displayed for G120	To evaluate the diagnostics of the SINAMICS drives in the program of an S7-1200/1500, the hardware identification of the submodule is required. This identification is used to initiate the diagnostics that can then be evaluated in the diagnostic OB in the program. This identification is displayed in the device view of the drive device.	The hardware identification of the drive device can be obtained from the system constants of the CPU.
955912	Icons for the PROFINET interfaces (ports) show	The diagnostic icon on the device details view for the PROFINET interface does not have any function for PROFINET drives.	There are not currently any diagnostics for the PROFINET interface.

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	misleading states. Device view		
956421	S7-1500: Incorrect name for system constant (PR 934729)	The assignment of the Module Access Point to the drive is not apparent under the system constants of the S7-CPU.	The Module Access Point (Hardware ID) for the drive is displayed in the properties of the device view for the drive in "system constants" and should be used. The Module Access Point is required for interconnecting the blocks from the DriveLib.
959135	Project compatibility: Devices not supported by V12, e.g. CU250S, can also be loaded into the project in the compatibility mode	During the editing of a V12 SP1 project in compatibility mode, it is also possible to load devices supported only as of V13 into the project. For the subsequent editing of this project with Startdrive V12 SP1, although editing is not prevented, it is not recommended. This can cause a crash. For editing the project with Startdrive V12 SP1: - V13 devices are not represented correctly in the Startdrive V12 SP1 - For V13 devices, no editors can be opened in Startdrive V12 SP1 - The editing of a V13 device can cause a crash	- In compatibility mode, devices not supported by V12 SP1 should not be loaded into the project. - If, however, this was done, unsupported devices should be deleted from the project.
962309	Virtualization: VMWare Upload and device access via USB not possible	Communications errors occur while working via USB in a VMware Player.	No USB connection to the G120 device can be established in a VMware Player.
968440	Errors the occur during the operation of the control panel are output under Info in the Inspector window.	When opening the control panel and activating the control priority, error messages for the p2582 and p2577 parameters are reported in the "Info" tab in the Inspector window.	These messages are generated incorrectly by the tool and are not drive messages. Consequently, they can be ignored.
968780	In the network view, system constants are shown under "Properties for the drive" that show option modules of the control.	Objects that do not belong to the drive are listed in the system constants.	Non-relevant objects can be ignored (e.g. system constants that start with DI/DO).
968888	HSP: Open project compatibility or project with V4.7 devices in a V13 project without HSP	If an attempt is made to open a project with Startdrive V13 that contains devices from HSP V4.7, the user is not informed that software package HSP V4.7 is missing. If HSP V4.7 is not installed, errors can occur when editing the project.	The user must install HSP V4.7 subsequently in order to edit the project.
969301	CU250S-2: Offline BiCo error for p922 = 2,3 or 4 --> p2081.7 - unknown BiCo value --> download error	The PROFIdrive telegrams 2, 3 and 4 can be set for SINAMICS G120 CU250S-2 DP and PN (setting using: p922, p2079, HWCN or "Drive on SIMATIC Motion axis" wizard). The telegrams are used to perform an automatic BiCo interconnection in parameter p2081. The problem occurs that parameter p2081.7 is incorrectly wired offline. "UNKNOWN BICO VALUE" is displayed here. If an attempt is made to load it into the CU, a download error occurs. This error occurs only with firmware version 4.4 – 4.6. With firmware version 4.7 this error will be fixed.	The affected parameter should be set to 0 after setting the telegram in the offline project. A download is then possible.
972897	HWCN error "Child instances" during the compilation of CPU1500 with G120PN modules if the I/O address of the G120PN is changed	During the compilation of the CPU with configured drive, the error "Number of overall existing child instances (0) is lower than the required minimum number (1) [Due to rule 'J']" appears	Open the device view of another drive or close and reopen the project. Select the CPU in the project navigation and restart the compilation.
974043	Sporadic crash: General diagnostics screen	If a device is opened in the lifelist (and so the factory settings made) and then the "Online&Diagnostics" screen opened, a crash occurs.	The factory settings should not be restored when working in the lifelist. The factory settings should be performed in the project.
975285	PM_Test: USB interface can no longer be accessed after an endurance test	After several hours, an interruption of the USB connection via Starter can occur.	If the connection cannot be re-established, the computer must be restarted.

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979096	Error during the compilation after offline commissioning wizard processing	If the control is not interconnected with a CU250S-2, CU250D-2 or CU240D-2 and then the offline commissioning wizard processed, the control can no longer be compiled.	After the faulty compilation, save, close and reopen the project. A compilation is now possible.
983195	After copy & paste, errors are generated during the compilation. The drive is copied and interconnected with the PLC.	During the compilation of the CPU with configured drive, the error "Number of overall existing child instances (0) is lower than the required minimum number (1) [Due to rule ']' appears	Open the device view of another drive or close and reopen the project. Select the CPU in the project navigation and restart the compilation.