

# **Driver Setup**

## **Reference Manual**

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# 1 Silent mode

The driver setup supports silent mode (see section “Command line parameters”). When using this mode note the following:

- Silent mode only suppresses the GUI of the setup application. It does not suppress any Windows setup dialog that may appear.
- The setup is no console mode application, even when running in silent mode. I.e., when executed on the command line the command prompt returns immediately while the setup is still running. To get the setup exit code it should be started by an application that is able to wait for another process.
- The caller is responsible for user guidance which depends on the exit code of the setup (see section “Exit codes”).
- The setup only prepares installation and pre-installs the drivers on the PC. After it finished successfully the user can connect the device to the system at any later point in time to complete the installation. If the device is already connected it is required to disconnect and reconnect the device. The caller of the setup has to inform the user about this required step.
- After the device has been (re-)connected the system assigns the pre-installed drivers to the device. I.e., the device is not accessible until this final installation step finished successfully.
- If the setup detects an existing installation on the destination system the uninstaller (usually `uninstall.exe`) of the existing installation is always executed before the new installation starts. Furthermore the user may explicitly run uninstallation by means of Windows “Add/Remove control panel”. Explicitly calling the uninstallation by another application may only be required for cleanup after an aborted installation (see section “Exit codes”).

# 2 Command line parameter

Parameter	Description
<code>-i</code>	Run setup in silent mode.
<code>/DIR=”target path”</code>	Installation directory on the target system. If not specified the default installation directory is used.

Example: `setup.exe -i /DIR=”c:\MyCompany\MyProduct”`

# 3 Exit codes

Status Code	Description	Solution
0	The setup finished successfully.	-

100	Setup aborted: Another PnP installation process is currently running on the system.	Inform the user to close all open hardware installation wizards. If currently no wizard is open the system probably performs some installation steps in the background. Just wait some time. Then run setup again.
101	Setup finished successfully. But to complete driver installation a restart is required.	Reboot the system. If the device is already connected no disconnect/reconnect is required anymore after reboot.
102	Setup aborted: The current operating system is not supported by the setup.	Inform the user and abort.
103	Setup aborted: Unexpected error.	Inform the user and abort. The setup creates a log file in the user's temp directory. This file may help to analyse the problem.  Optionally run uninstaller if already installed.
104	Setup aborted: The current user has no administrator privileges which are required to proceed.	Inform the user and abort.
109	Setup aborted: Invalid command line parameters.	Call the setup with correct command line parameters.
111	Setup aborted: The installer/uninstaller is already running.	The user has to finish the running (un-)installation at first.
112	Setup aborted: The installation directory could not be created on the destination system (e.g., because of missing permissions).	Inform the user or choose another installation directory and run setup again.
113	Setup aborted: The uninstaller file "uninstall.exe" could not be extracted to the installation directory (e.g., because of missing permissions to write to the installation directory ...).	Inform the user or choose another installation directory and run setup again.

114	Setup aborted: Not all required files could be installed (Probably one or more files already exist in the installation directory and could not be overwritten.).	Inform the user or choose another installation directory and run setup again.  Optionally run the uninstaller already installed.
115	Setup aborted: Any driver could not be pre-installed on the system.	Inform the user and abort.  Optionally run the uninstaller already installed.
121	Setup aborted: Installation of a co-installer failed.	Inform the user and abort.  Optionally run the uninstaller already installed.
125	Setup interrupted: Installation cannot continue because of some locked resources. A restart is required.	Reboot the system and run installation again.