



Troubleshooting / error search

Agile Production Simulation 24V (APS)

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The following document describes the most common errors that can occur with the APS and how they can be rectified.

Please follow the respective instructions. If you have any questions, please contact [.fischertechnik-technik@fischer.de](mailto:fischertechnik-technik@fischer.de)

Module	Error	Possible solutions
all	A module is not displayed as "Connected" in the dashboard: 	<ul style="list-style-type: none"> - Wait 2 minutes until all modules have connected to the central control unit (CCU) - Check whether the PLC fuse on the 24V board has tripped (red instead of blue LED lights up). If so, please press the ON button on the 24V board to switch on the PLC. - Restart APS as described in the documentation.
TIA Portal	When transferring the PLC programs, the TIA Portal crashes under Windows.	<ul style="list-style-type: none"> - Please update the TIA Portal - see: https:
PLC	The RUN/STOP LED on the PLC does not light up green, but yellow	<ul style="list-style-type: none"> - If no error messages are displayed, set the CPU to the operating state in the TIA Portal 
DPS	The ERROR LED flashes red on the PLC	<ul style="list-style-type: none"> - Check the cables and connectors between the IR color sensor and the PLC - Check the power supply and the cables on the modules - Connect to the PLC in TIA Portal and check the displayed error messages in the diagnostics view - See status LEDs on the PLC: https:

AGV	The "Dock to DPS" action starts and the AGV docks. The AGV then stops without an error message and the "Load" action, for example, is not executed.	<ul style="list-style-type: none"> - Check the cables and connectors at the IR track sensor at I5 and I6 and the +9V power supply.
DPS, HBW, AIQS, DRILL, MILL, OVEN, FTS	An error message or ERROR appears in the view of the dashboard	<ul style="list-style-type: none"> - Reset the APS via the dashboard as described in the documentation - Restart APS as described in the documentation.
CCU	Raspberry Pi does not boot	<ul style="list-style-type: none"> - Make sure that the microSD card is inserted correctly. - Check whether the Raspberry Pi image file has been correctly written to the microSD card. - Check whether your Raspberry Pi model requires a specific version of the image file.
CCU	Slow performance when using a non-fischertechnik microSD card	<ul style="list-style-type: none"> - Use an original fischertechnik microSD card (item no. 175723) - Consider using a microSD card with a higher read/write speed. - Make sure that the power supply of the Raspberry Pi meets the recommended specifications.
Dashboard	Exported OEE data is not correct in the CSV file in the simulation view	<ul style="list-style-type: none"> - Connect the APS router to an external internet router so that the time can be synchronized via the NTP service. If all controllers have synchronized a correct time, the calculated OEE values are correct again.