

ProX™ 800/950

3D Production Printers

Customer Release Notes

Print 3D Pro™ Software version: 1.0.442

SLA Controller Software version: 1.2.6640

Release Date: Sept. 2019



1 INTRODUCTION

We are proud to announce new software versions for Print 3D Pro™ and SLA Controller!

These should be installed by a 3D Systems Certified Service technician, as they require updated printer hardware. They will be installed at the same time to enable new functions, and make improvements for your ProX™ 800 or ProX™ 950 printer. They cannot be installed exclusive of each other.

2 NEW FEATURES

WINDOWS 10 IOT ENTERPRISE 2019 LTSC VERSION 1809 (OS BUILD 17763.557)

- Edition: Windows 10 Enterprise LTSC
- Version: 1809
- OSBuild: 17763.557
- Antimalware Client Version 4.18.1905.4
- Engine Version: 1.1.16000.6
- Antivirus Version: 1.295.1108.0
- Antispyware Version: 1.295.1108.0
- 3D Systems Control Software version: 1.2.6640
 - APK Version: 442

3D CONNECT™ SUPPORT

3D Connect Service provides a secure cloud-based connection to 3D Systems' service teams for proactive and preventative support to enable better service, improve uptime and deliver production assurance for your system. With 3D Connect Service, your system will automatically send alerts to 3D Systems' service teams for immediate assistance in resolving printer defined conditions or exceptions, enabling instant support to run diagnostics, solve problems remotely, pre-order parts, and schedule on-site services as required. Please visit <https://www.3dsystems.com/software/3d-connect> for more information.

RECIRCULATION FEATURE REDESIGN

The recirculation feature for Composite MDMs has been redesigned to improve usability and eliminate workflow errors.

- Safety timeout added
- Additional material-level checks added to prevent low-material errors when recirculating

WINDOWS DEFENDER SUPPORT

On by default in new SSD image.

WINDOWS FIREWALL SUPPORT

The Windows Firewall is a silent tool that keeps your system safe from network threats and is included in Windows.

ALTERA DSP BOARD SUPPORT

If your DSP board ever needs replacing, this new board would be installed by 3D Systems Service, as long as you have the new 3D Print Pro and SLA Controller software. This board's functionality and features are identical to your current DSP board.

DSP ERRORS REPORTED DIRECTLY ON THE GUI

Error notifications for DSP issues will now appear on the printer's touch screen.

POST-BUILD AUTOMATIC LEVELING

This feature allows 3D Systems Service to set a secondary coarse level position. When a build completes, the platform raises to drain and the MDM automatically begins to level to this position. The operator can cancel this leveling action at any time. When the operator changes the platform and moves the elevator to the start position, the MDM will be much closer to level for the next build to start. This feature is off by default, but may be turned on with the assistance of a 3D Systems Field-Service Engineer. Here is the workflow:

1. After a build, the elevator moves to drain
2. The MDM begins to level to the secondary position. The operator may cancel this at any time. Stack light and all other machine functions will display that the build is complete.
3. If unchecked, MDM will stop leveling once it is within the coarse level range of the position set by 3D Systems Service.

3 BUG FIXES

GUI COMMUNICATION RELIABILITY WITH PC IMPROVED

Printer GUI will no longer cause Control Software crash.

MDM COMMUNICATION PROTOCOL IMPROVED

This resolves a common pump-stall issue, as well as an issue that causes misreading of material-cartridge information.

SWEEP DIRECTION ON FIRST LAYER CHANGED

The direction of the Sweeper Arm's path on the first layer of a part will now always be the same direction.

X/Y FOLLOWING ERRORS IMPROVED

Software changes will result in the printer operator receiving far less X/Y Following errors.



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p/n 40-D114 Rev. A