

# v2.041 Release Notes

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changes since v2.039

## Filament Stall Detection

- Addressed an issue which would cause certain builds to fail with filament stall errors.

## Reliable Firmware Updates

- Addressed an issue with firmware updates which could cause the printer to restart before the new firmware image had been fully written to flash memory.

**Note!** This change will be effective for updates installed after this one. If you have any issues upgrading your printer, please contact Customer Support.

# v2.039 Release Notes

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changes since v2.035

## Improved User Interface

- A message now appears on the screen to inform the user when a filament switchover is in progress. The printer automatically feeds new filament when a spool runs empty during a print job, and the switchover procedure can take several minutes.
- The *Print Progress* screen has been redesigned for better readability and to support feature enhancements coming in a future desktop release.
- Changed the navigation buttons in the *Network* and *Version* menus for consistency with other menus.

## Optimized Print Head Servicing

- Algorithms to implement per-layer print head jetting allowed for a 6x reduction in the print head servicing frequency, for a significant reduction in ink usage for jobs greater than three hours.

## Extruder Reliability

- Enabled a sensor to monitor the extruder operation during printing. If a problem is detected, the print job will abort and an error message '**filament stall detected**' will be displayed. The problem causing the stall can then be remedied without disassembling the carriage assembly. *Please contact service for more information if you encounter this error.*

## Print Quality

- Addressed an issue in which a small, single-pixel wide strip of marking ink would occasionally be jetted in regions where there should only be release agent.

## Service and Support

- Enhance system log messages to aid in service and troubleshooting.

# v2.035 Release Notes

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changes since v2.033

## Support for New Materials

- Added support for Rizium One Black filament. The printer will recognize the black filament key and identify it uniquely on the *Supplies* screen.
- Added a *Swap Filament* routine, accessible from the *Extruder* menu in the *Supplies* screen. The routine automates the process of removing a reel of filament spooled up to the extruder, when switching it for a spool of another color.

## Alignment Accuracy

- Increased the resolution of the Y-axis print head alignment for more accurate registration of the print head to the extruder nozzle.

## Improved User Interface

- Added new messages on the *Supplies* screen to clarify the situation when the filament key may not be inserted properly. If the key is not detected, the message will state '**Bay 1 key not detected. Check key**'. If the filament is not detected in the key, the message will state '**Bay 1 filament not detected in key**'.

## Printer Installation

- Addressed an issue in the fluid priming sequence which could cause a **1516 release fluid cartridge empty** or **1517 marking ink cartridge empty** error when the cartridges still contained fluid. The Prime sequence is typically executed during new printer installation.

# v2.033 Release Notes

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changes since v2.027

## Rizejob Compatibility

- Removed support for rizejob files created with desktop software version 1.1.4 and earlier. The printer will display an error message if an unsupported job file is selected in the library screen.
- When the printer first boots, it will scan the library for unsupported jobs and prompt to delete them, then assist with purging old files from the system.

## Improved User Interface

- Addressed an issue in which the *Delete* button in the Print Confirmation dialog was not enabled if the rizejob was of an unsupported format. The *Delete* button is now always enabled so nonconforming jobs can be removed from the library.
- Rearranged the *Settings* menu to improve navigation. The *Build Plate*, *Extruder*, and *Printhead Service* items are now organized into separate submenus.
- Improved the accuracy of fluid usage reporting on the *Supplies* screen. The fluid usage was typically overreported prior to this change.  
**Note!** The printer always attempts to draw fluid from the cartridge to fill the internal reservoirs regardless of the *Supplies* screen report. The printer only prompts for a new cartridge when a reservoir cannot be filled.  
**Note!** The improvement in accuracy will be effective with cartridges inserted after this update has been installed.
- Addressed an issue with *Printhead Maintenance* items that sometimes prevented the cancel feature from working properly.

## Reliable Firmware Updates

- Addressed an issue with firmware updates which could cause the printer to restart before the new firmware image had been fully written to flash memory.  
**Note!** This change will be effective for updates installed after this one. If you have any issues upgrading your printer, please contact Customer Support.

# History

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Trying to find release notes for older versions? Please contact our Customer Support...

[support@rize3d.com](mailto:support@rize3d.com)

Happy Printing!