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Afinia 3D Printer Installation and Software Release Notes

Accessories now include both plain Perf boards and Flex boards

The User's Manual and Quick Start Guide apply to installation and operation of the H800 and H480 3D Printers and Software on both PC and Mac.

For PC Installation:

If Autorun does not start the PC installation, open the **PC** folder on the installation disc and double-click the **setup.exe** icon.

For Mac Installation:

Open the **Mac** folder on the installation disc and double-click the **Afinia Mac Setup.pkg** icon.

Current versions of the installations can also be downloaded at:

http://www.afinia.com/support/downloads.

Software Release Notes

PC:

Version 2.1.8: Release Date 2/08/2016

1. Option added for choosing either Plain Perf or Flex board during Nozzle Height Detection.

Version 2.1.7: Release Date 8/31/2015

2. Thin wall printing support printing walls narrower than previous threshold.
3. Build table leveling can adjust the value between 0mm and 2mm.
4. Added ABS+ option for new material.
5. Improve raft and surface closure when printing at 0.1mm
6. New UP3 model for printhead cover for Afinia H800. Printhead Cover-V4.UP3 and Printhead Extruder Bracket-V3.UP3
7. Various bug fixes.

Version 2.1.5: Release Date 5/20/2015

1. Added support for H800.
2. When printing with thinner layer thickness, like 0.15mm, software automaticlly adds additional solid layers where needed.
3. Enable Auto Level and Nozzle Height Detect in the software when the nozzle temperature is above 80C degrees. When nozzle temperature is above 80C degrees, software will pop up message to alert user.
4. If a loaded STL is above 100mm in X or Y direction amd to be printed with ABS, software will show up ORANGE or RED shadow below the model to alert user this print may fail.
5. Merge auto level and auto nozzle height detection for H800. After auto level is done, the H800 printer will start the nozzle height detection automatically (does not affect other models).
6. Name each connected printer and operate the selected printer.
7. Turbo printing added to Quality for H800; improves the H800 printing speed by up to 30%.

Version 2.1.4: Release Date 3/16/2014

1. Updates to software required by hardware changes.

Version 2.1.3: Release Date 10/16/2014

1. Updates to Drivers. Software version not changed.

Version 2.1.2: Release Date 5/30/2014

1. Enhanced progress reporting when sending model to printer and when printing.

2. Resolves printer disconnect being inaccurately reported.

Version 2.1: Release Date 2/12/2014

1. Includes support for Afinia H480 3D Printer:
    a. Auto Level and nozzle Height Detection features added.
2. Platform and Nozzle temperatures displayed in lower right corner of application window.

Version 2.0: Release Date 10/02/2013

1. Includes Save as Project feature.
    a. Many of the print settings are saved with the file. Not saved are Pause settings, Unsolid check, Raft setting, and Nozzle Height.
2. Resolves bug that caused failure if nozzle height is set below 130mm. Lower limit on nozzle height adjusted to 125mm.
3. Disables Initialize menu item during print.

Version 1.19: Release Date 6/10/2013

1. When extruding or withdrawing filament, platform will move lower to at least 30mm below the set nozzle height
2. Added function to print only the base support material (Preferences, “Area >”)
3. Automatically set the 'Unsolid' option if model is not solid. Can be manually unchecked
4. Add "surface printing" option in Windows version, to enable single layer printing (Not recommend for printing model with a bottom or model need inner fill structure, otherwise, no bottom or no top will be printed).
5. Added the function of print pause at a specific height for changing material
6. Make amendments to language faults
7. Fixed bug of error occurring when printing is paused; now print can't be paused until after the fourth layer
8. Fixed the bug of inability to switch languages in software under Windows 7 operating system
9. Fixed the bug of still printing a thin raft after selecting raftless option
10. Fixed the bug of restarting the last print job immediately after the print job completes

Version 1.18: Release Date 1/15/2013

1. Platform Level Calibration software utility
2. Optimize raft printing; thinner raft is used for less material use, easier removal
3. Raft printing will be limited to within the build envelope, allowing for larger model printing with raft
4. Optimize inner fill printing for better bond with outer walls; improves model solidity
5. Smoother vertical wall printing
6. Support structure easier to remove when printing with vertical resolution less than 0.20mm
7. Added Shell option to Print Preferences; will print hollow rather than using the Fill settings when checked
8. Add millimeter scale to X-axis and Y-axis of build platform
9. If a print is stopped, the Maintenance dialog will show the extruder and platform temperatures instead of percentage.

Version 1.17: Release Date 10/9/2012

1. Added "Auto Place" option in "File" menu. If checked, models will be auto-placed when opening a file.
2. Modifications to some of the spare parts included during software installation.
3. Modification to the "No Raft" mode, eliminating the first base layer (in contact with print surface only).
4. Includes ROM v6.07
    a. Adds resolution of 0.15mm to H479 3D Printer.
    b. Shortened alert beep.

Version 1.17: Release Date 7/16/2012

1. Initial Release
2. Includes ROM v6.05

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Mac:

Version 2.1.5: Release Date 5/20/2015

1. Added support for H800.
2. When printing with thinner layer thickness, like 0.15mm, software automaticlly adds additional solid layers where needed.
3. Enable Auto Level and Nozzle Height Detect in the software when the nozzle temperature is above 80C degrees. When nozzle temperature is above 80C degrees, software will pop up message to alert user.
4. If a loaded STL is above 100mm in X or Y direction amd to be printed with ABS, software will show up ORANGE or RED shadow below the model to alert user this print may fail.
5. Merge auto level and auto nozzle height detection for H800. After auto level is done, the H800 printer will start the nozzle height detection automatically (does not affect other models).
6. Name each connected printer and operate the selected printer.
7. Turbo printing added to Quality for H800; improves the H800 printing speed by up to 30%.

Version 2.1.3: Release Date 10/14/2014

1. Resolves a positioning issue when using the platform buttons in the Maintenance window.

Version 2.1.2: Release Date 5/30/2014

1. Resolves a potential installation bug when installing on 10.9.X.

Version 2.1.0: Release Date 3/13/2014

1. Includes support for Afinia H480 3D Printer:
    a. Auto Level feature added
    b. Nozzle Height Detection feature added
2. Includes up to the last 10 models opened in the File : Open Recent menu.
3. Double-clicking an STL or UP3 file will open that file in the Afinia 3D software.

Version 2.0.2: Release Date 10/02/2013

1. Add "surface printing" option, to enable single layer printing (Not recommend for printing model with a bottom or model need inner fill structure, otherwise, no bottom or no top will be printed).
2. Added function to print only the base support material (Preferences, “Area >”)
3. Optimize raft printing; thinner raft is used for less material use, easier removal
4. Added the function of print pause at a specific height for changing material
5. Includes Save as Project feature.
    a. Many of the print setings are saved with the file. Not saved are Pause settings, Unsolid check, Raft setting, and Nozzle Height.

Version 1.5.2: Release Date 6/10/2013

1. When extruding or withdrawing filament, platform will move to at least 30mm below the set nozzle height
2. Add shell printing option in Mac version
3. Automatically set the 'Unsolid' option if model is not solid. Can be manually unchecked
4. Make amendments to language faults
5. Fixed the bug of ROM updating error in Mac version
6. Fixed the bug of restarting the last print job immediately after the print job completes
7. Fixed the bug of error occuring when printing is paused. Now print can't be paused until after the fourth layer

Version 1.4.3: Release Date 2/24/2013

1. Platform Level Calibration software utility
2. Optimize raft printing; thinner raft is used for less material use, easier removal
3. Optimize inner fill printing for better bond with outer walls; improves model solidity
4. Smoother vertical wall printing

5. Support structure easier to remove when printing with vertical resolution less than 0.20mm
6. Added Shell option to Print Preferences; will print hollow rather than using the Fill settings when checked
7. Add millimeter scale to X-axis and Y-axis of build platform
8. Modifications to some of the spare parts included during software installation.

Version 1.3.2: Release Date 7/16/2012

1. Initial Release
2. Includes ROM v6.05