

I work full time on OctoPrint and can only continue thanks to funding by people like you. Give the button a click and learn how you can help!

Thank you,  
Gina

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# OctoPrint

The snappy web interface for your 3D printer.

Created & maintained by Gina Häußge



## Full remote control & monitoring

Control and monitor every aspect of your 3D printer and your printing jobs right from within your browser.

Learn more



## Compatible and extendable

OctoPrint's powerful plugin system allows extending its functionality with awesome plugins from the community.

Learn more



## 100% Open Source

Free and open source software released under the Affero General Public License (AGPL).

Learn more

OctoPrint's development is made possible through the support of all the awesome patrons on **Patreon** (<https://patreon.com/foosel>) and



**ALEPH OBJECTS**  
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(<https://www.alephobjects.com/>)



**BEEVERY CREATIVE**  
IMPRINT CHANGE WITH 3D PRINTING  
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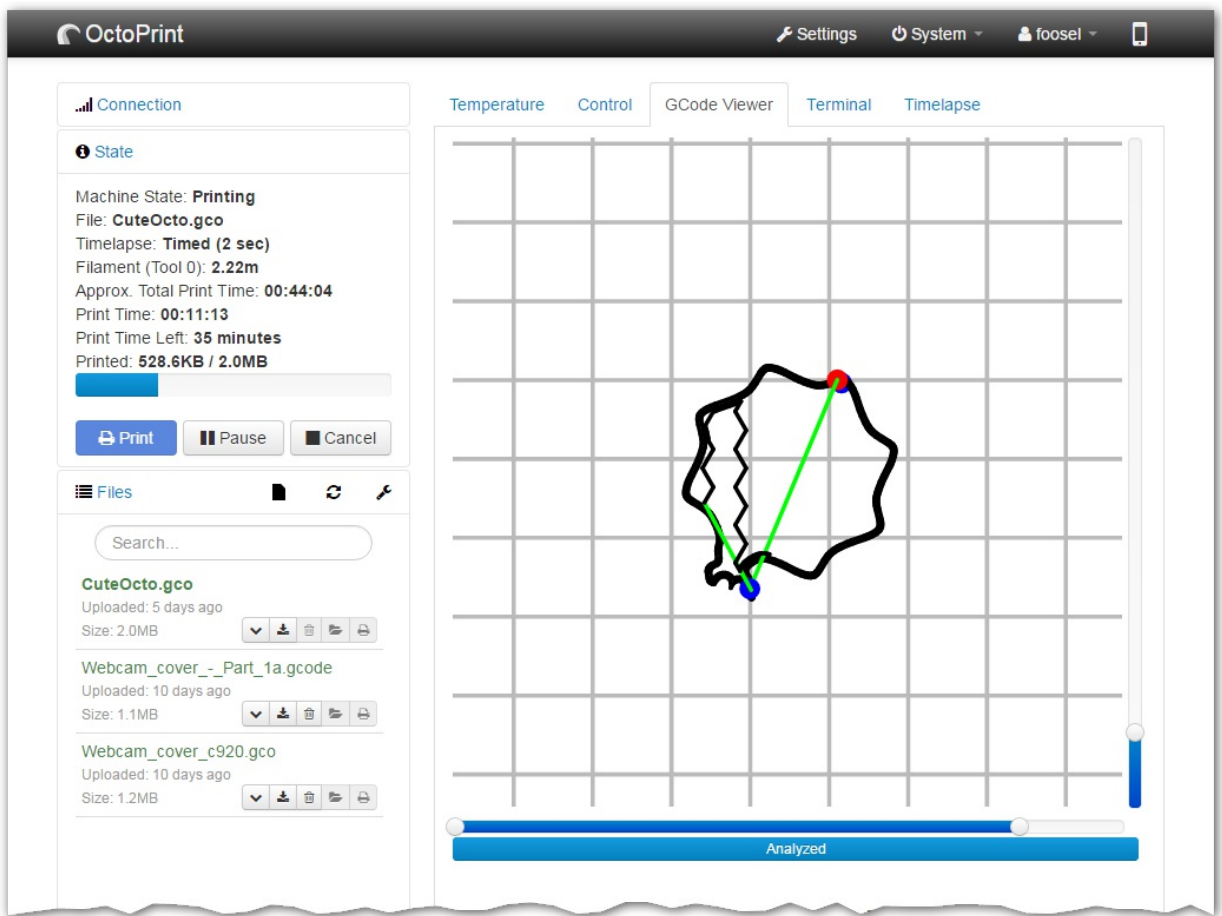
## Full remote control & monitoring

Control and monitor every aspect of your 3D printer and your printing jobs right from within your browser:

- Access the **embedded webcam feed** and watch remotely how your printer is creating your newest thing.
- Get constant feedback regarding the **current progress of your print job**.
- Take a look at the **integrated GCODE visualizer** to see a rendition of the GCODE you are currently printing.
- Keep an eye on the **temperatures** of your hotends and print bed and adapt them on the fly.
- Move the print head **along all axes**, extrude, retract or just define your own custom controls

([http://docs.octoprint.org/en/master/features/custom\\_controls.html](http://docs.octoprint.org/en/master/features/custom_controls.html)). (/assets/img/features/gcodeviewer-tab.png)

- **Start, stop or just pause your current print job**, you are in full control at any time.

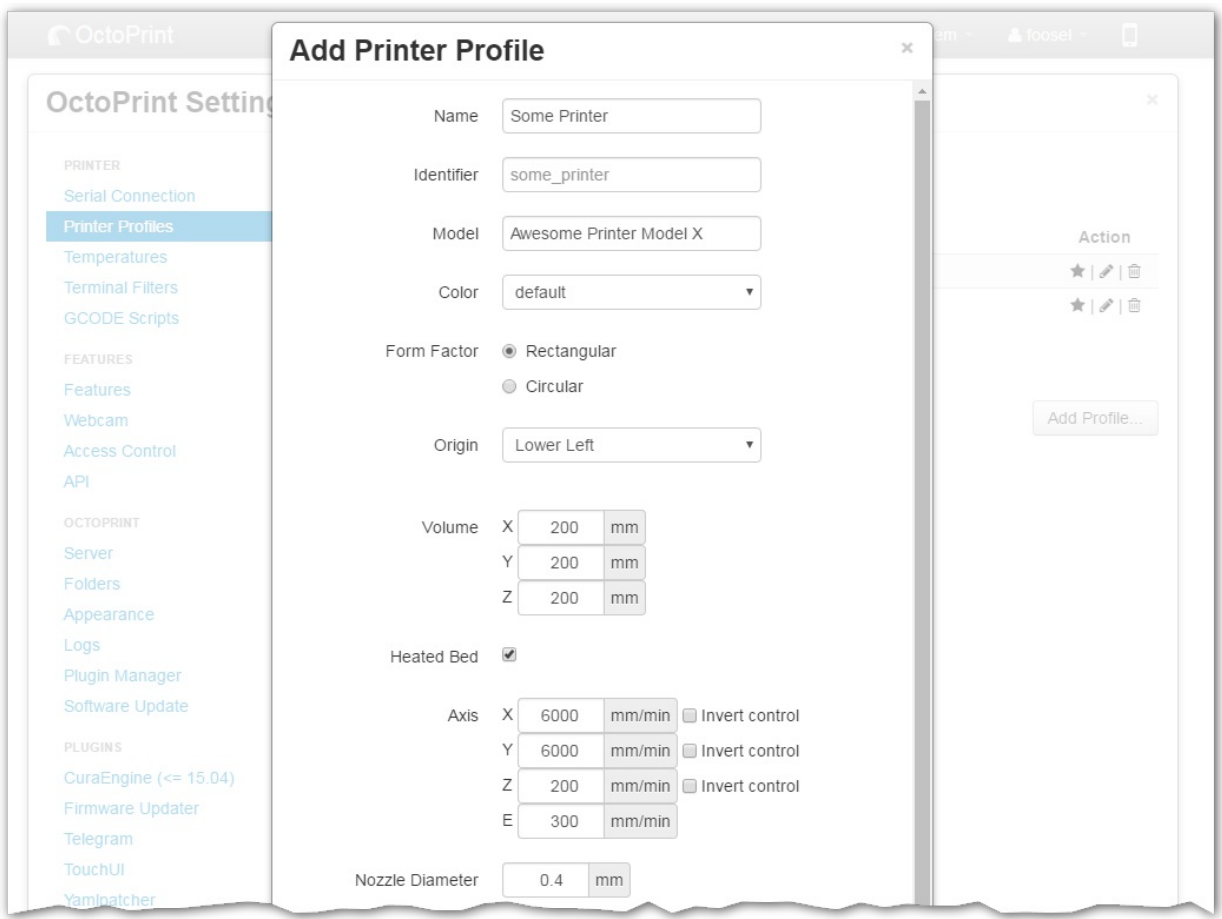


## Compatible and extendable

Out of the box OctoPrint is **compatible with most of the available consumer 3D printers**. And its powerful plugin system allows extending its functionality in various ways. To name a few:

- Have OctoPrint send you **push notifications** on job progress via Pushbullet (<http://plugins.octoprint.org/plugins/octobullet/>) or Pushover (<http://plugins.octoprint.org/plugins/pushover/>).
- Completely **replace OctoPrint's UI** on mobile devices via TouchUI (<http://plugins.octoprint.org/plugins/touchui/>).
- Integrate OctoPrint into your **messaging tool** of choice, like Telegram (<http://plugins.octoprint.org/plugins/telegram/>) or Slack (<http://plugins.octoprint.org/plugins/slack/>).
- Collect **statistics** of your printer and print jobs via the Print History (<http://plugins.octoprint.org/plugins/prinhistory/>) or the Printer Statistics (<http://plugins.octoprint.org/plugins/stats/>) plugin.
- Add **support for specific printers** like Flashforge printers or older Makerbots (<http://plugins.octoprint.org/plugins/gpx/>) or the Micro 3D printer (<http://plugins.octoprint.org/plugins/m33fio/>).

OctoPrint's official plugin repository (<http://plugins.octoprint.org/>) is integrated right within OctoPrint and installing a plugin is only a click away. And getting started (<http://docs.octoprint.org/en/master/plugins/index.html>) on plugin development is easy!

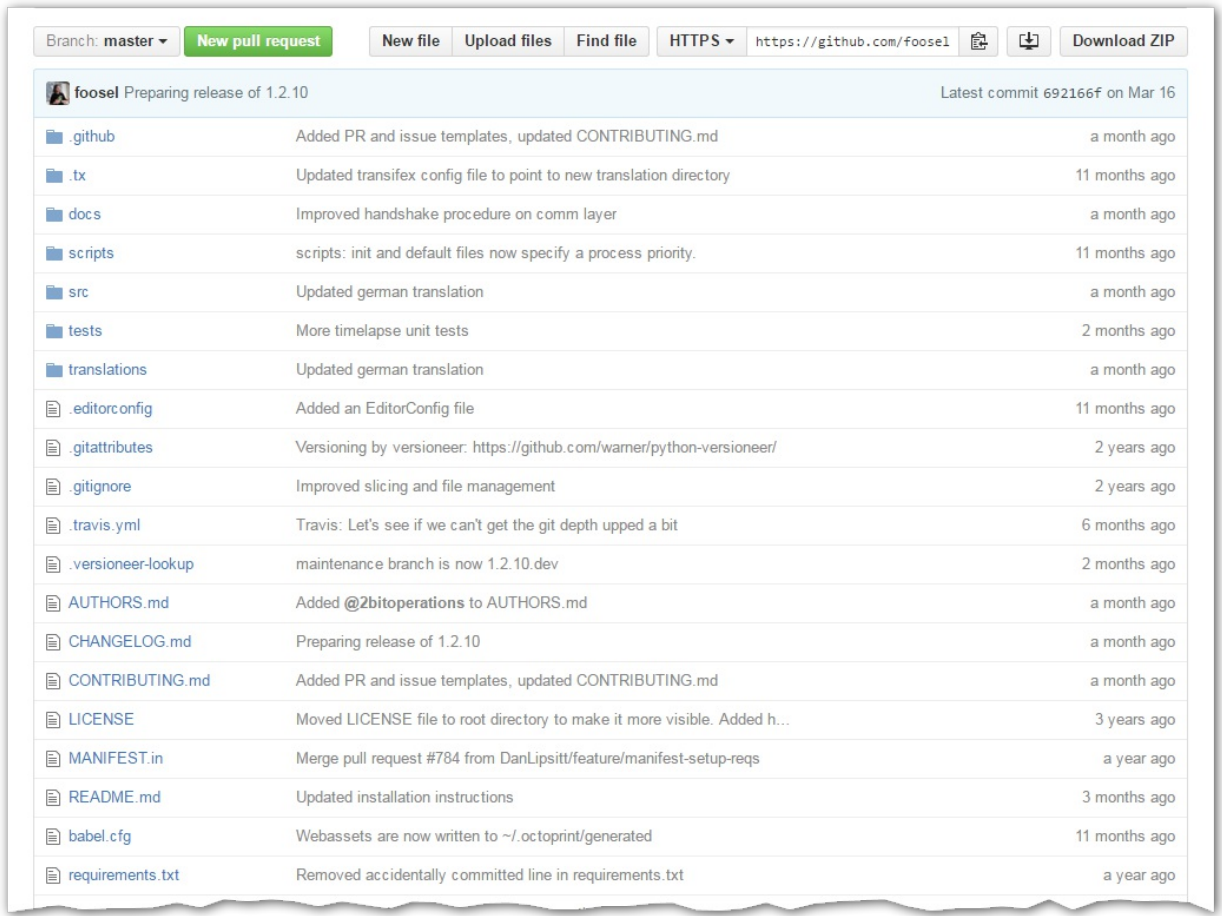


(/assets/img/features/printerprofile-dialog.png)

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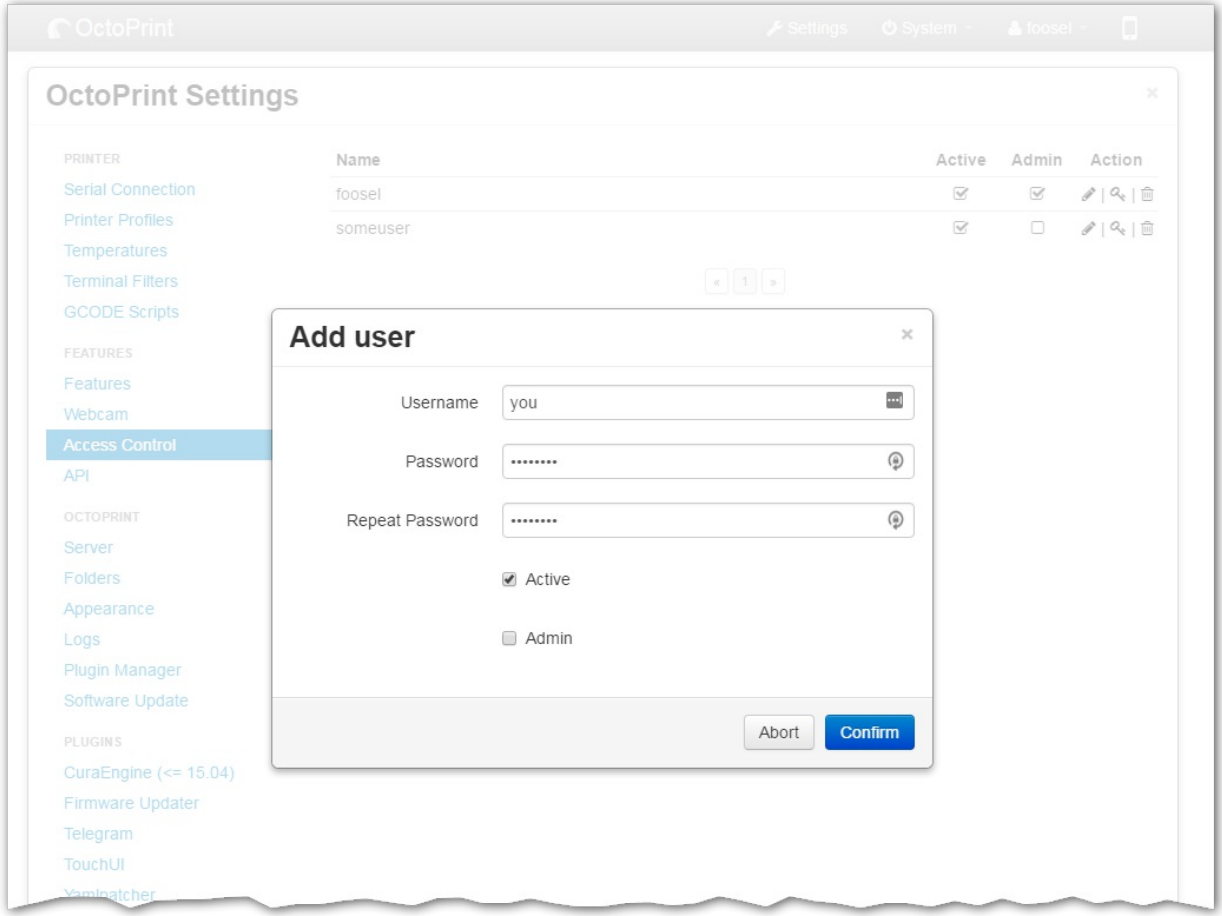
All its source code is available in its Github repository (<https://github.com/foosel/OctoPrint>) and everyone can modify it to their own needs.



(/assets/img/features/opensource.png)

## And even more!

- Create awesome **timelapse recordings** of your prints!
- **Slice** your STL files directly within OctoPrint.
- Control who can control your printer with the built-in **access controls**.
- Add **system commands** to the menu to easily shutdown or reboot your OctoPrint server or even your printer.
- Configure **event hooks** to react to certain events within OctoPrint by calling external commands or sending custom GCODE to your printer.
- and so much more...



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- New release candidate: 1.3.6rc1 (/blog/2017...)  
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## Big Thanks

Cross-browser testing services are kindly provided by BrowserStack (http://www.browserstack.com). Profiling is done with the help of PyVmMonitor (http://www.pyvmonitor.com).