

How to flash the Caribou Bootloader?

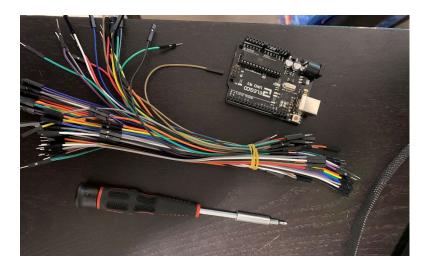
Attention! All steps shown here are to be carried out at your own risk and we do not accept any liability for damage to the board.

Note: When flashing, all set values (live-z, PID tuning, etc) are lost and the printer must be recalibrated afterwards.

1 TOOLS AND EQUIPMENT

Needed:

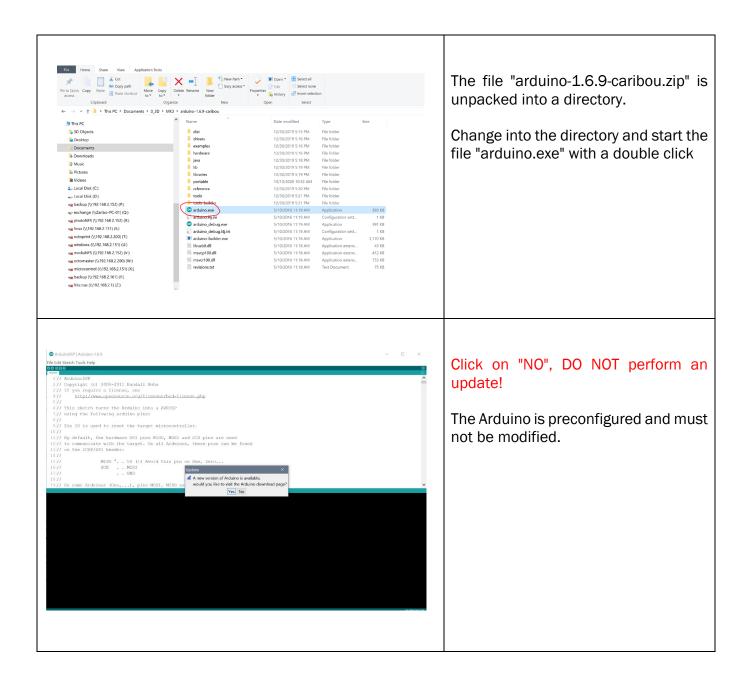
- Arduino Uno
- Jumper Cables (6x male / female, 15cm lang)
- USB -Cable (Arduino Uno)
- Secrew driver for the Einsy box
- Computer / Laptop
- Some patience
- Prepared Arduino IDE https://caribou3d.com/de/content/10-caribou-firmware
- Caribou Firmware https://caribou3d.com/de/content/10-caribou-firmware

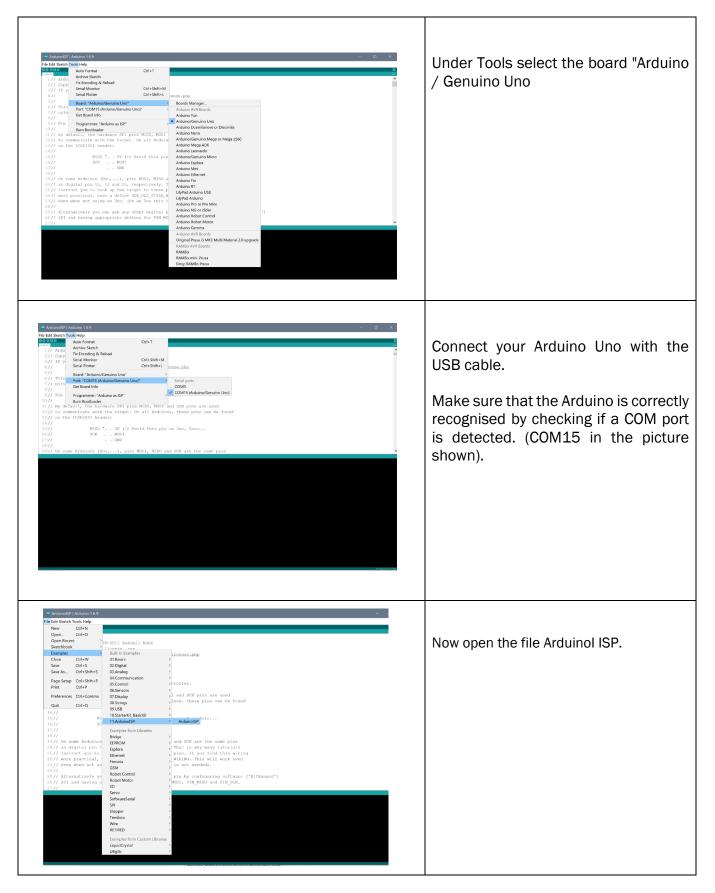


2 PREPARE ARDUINO UNO

This step is to flash the Arduino to be able to use it as an ISP programmer.

The instructions refer exclusively to the Arduino Uno!

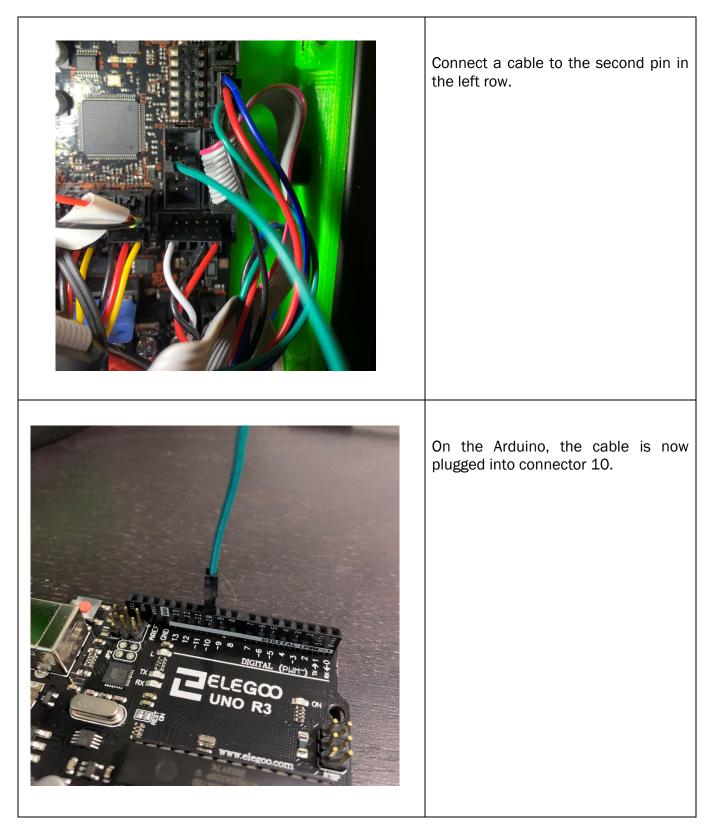


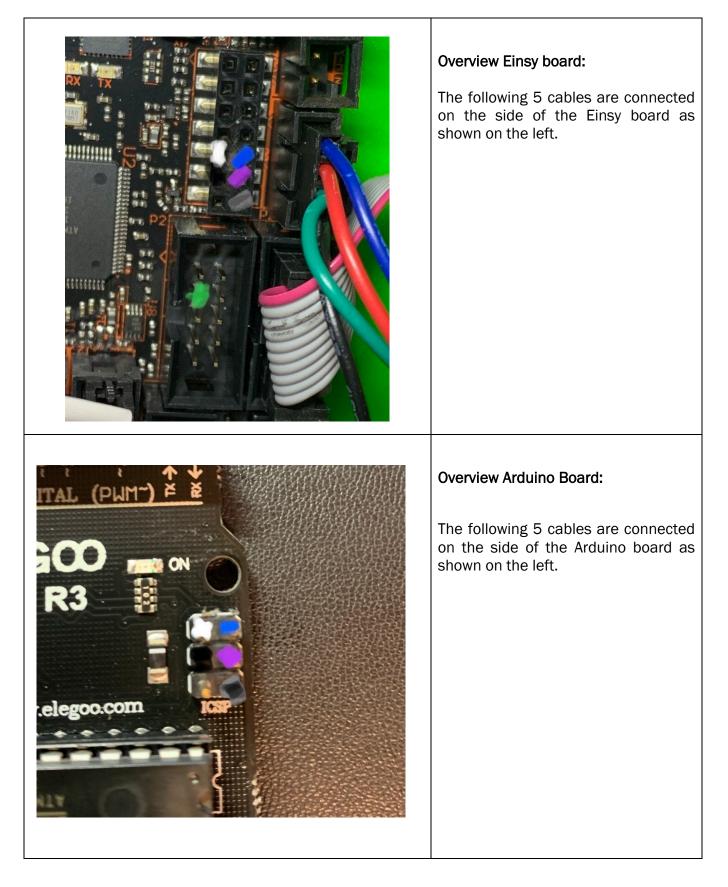


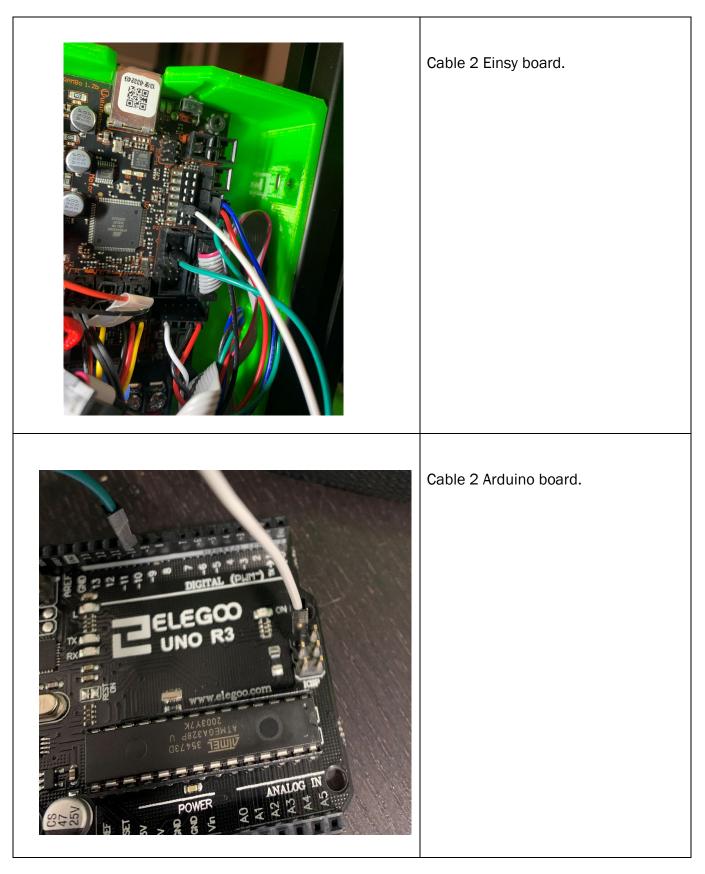
ArduinoISP Arduino 1.6.9 Datei Bearbeiten Sketch Werkzeuge Hilfe Automatische For ArquitoISP 1 // Arduir 2 // Copyri 3 / If you 4 // If you 5 // 6 // This s 7 // using 8 //	Use this button to compile the sketch and then immediately flash it to the Arduino. The lower part of the program (console) should now show that the flashing was successful.
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3 FLASH THE EINSY BOARD

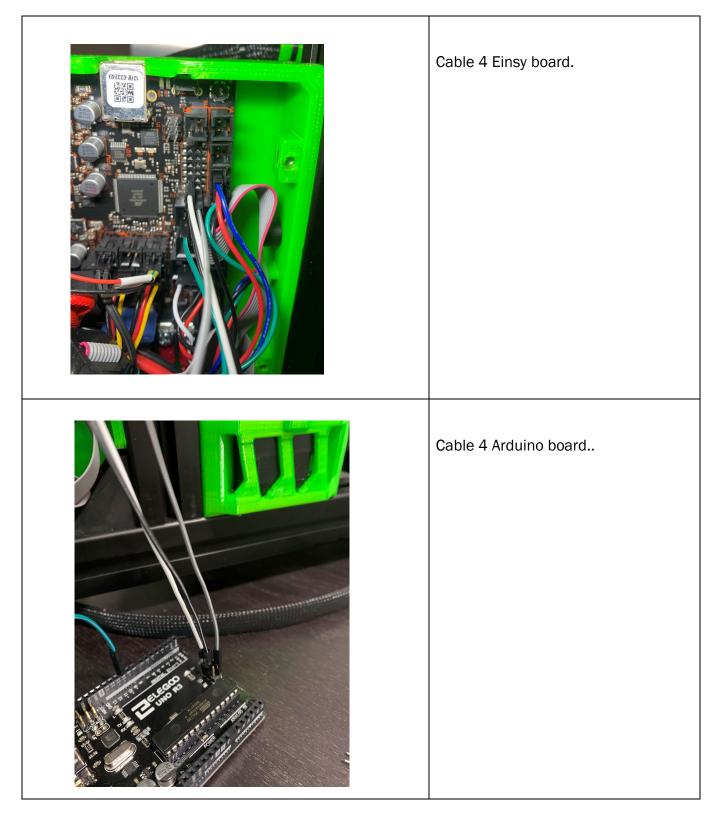






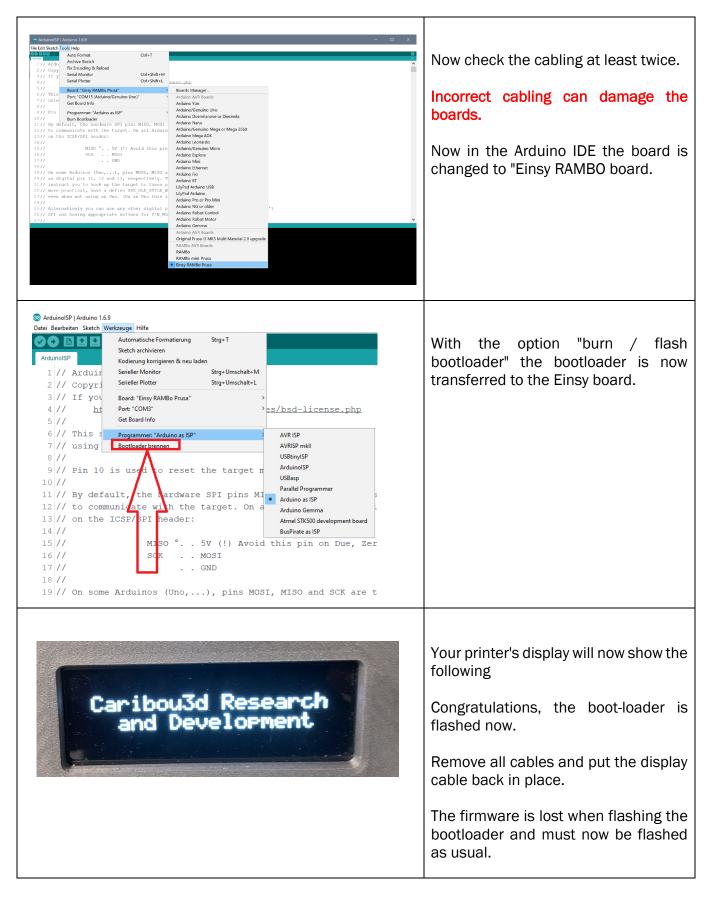


Cable 3 Einsy board.
Cable 3 Arduino board.



Cable 5 Einsy board.
Cable 5 Arduino board.

Cable 6 Einsy board.
Cable 6 Arduino board.



4 CREDITS

The document was prepared by Daniel Heimbeck and Wolfgang Schadow.

Lino Nardandrea played a major role in the creation of the bootloader and the portable Arduino IDE version.

For the cabling, the following site was helpful: <u>https://github.com/prusa3d/Prusa-</u> <u>Firmware/issues/910</u>, especially the photos by Luca Béla Palkovics.

We are grateful for reviews and input from Bernd Brinkert, Patrick Vosshans, Freed Gussner, Thomas Kroll, Luca Nelius.