

# Blaustahl Device Errata

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## 1 ISSUE

The default Blaustahl firmware may not be recognized by some versions of Microsoft Windows. This document describes the Blaustahl firmware update process that will enable Windows to recognize the device.

## 2 FIRMWARE UPDATE PROCESS

1. Download the `blaustahl_cdonly.uf2` firmware file from <https://github.com/machdyne/blaustahl>.
2. Boot Blaustahl into bootloader mode:
  - If you only have access to Windows computers, you will need to open the Blaustahl enclosure in order to access the bootloader button. Hold the button **while** plugging the device into your computer. See the next section for instructions on opening and closing the enclosure.
  - If you have access to a Linux or OS X computer and can already access the Blaustahl text editor, then you can enter the bootloader mode by pressing CTRL-Y without opening the enclosure.
3. When the device is in bootloader mode, a new flash drive named "RPI-RP2" will be found. **Open this folder and then copy the `blaustahl_cdonly.uf2` file into it.**
4. The device will restart with the new firmware and should be recognized by Windows. You can now use a serial communications program (e.g. PuTTY) to access the Blaustahl text editor. Please see <https://github.com/machdyne/blaustahl> for more details.

## 3 OPENING AND CLOSING THE DEVICE

Should you need to open the device in order to access the bootloader button, you will need a small phillips/crosshead screwdriver. **Use caution to not misplace the small round spacer inside the device.**

### 3.1 OPENING THE DEVICE

1. Unscrew and remove the bolt (top) and nut (bottom).
2. Place the bolt partially in the lid hole to pry the lid off of the enclosure.

### 3.2 CLOSING THE DEVICE

1. Insert the bolt into the lid.
2. Push the spacer onto the bolt so that the narrow end of the spacer points down.
3. Slide the lid toward the USB connector into the enclosure notch.
4. Press the opposite side of the lid until it snaps into place.
5. Place the nut in the bottom and screw in the bolt.