

## 11. Bootloader fix procedure

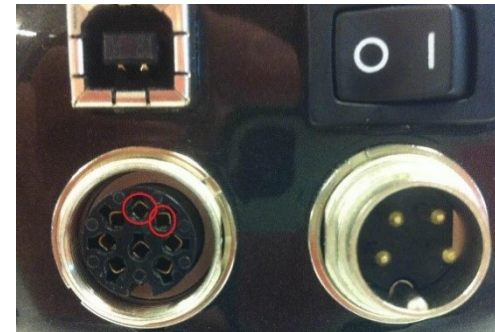
This procedure is used to upgrade the bootloader firmware into an arm frozen due to bootloader issue. Bootloader firmware will be sent by customer service team upon request.

You will also need the latest version of Development Center available on our website.

Here is the link:

<https://www.kinovarobotics.com/en/knowledge-hub/all-kinova-products> and choose "KINOVA® SDK GEN 2 Ultra lightweight robot 1.5.1". Follow the release notes (RN) document to install the software properly.

- Power-down the arm and short-circuit the 2 pins in the joystick connector as shown in the picture below.



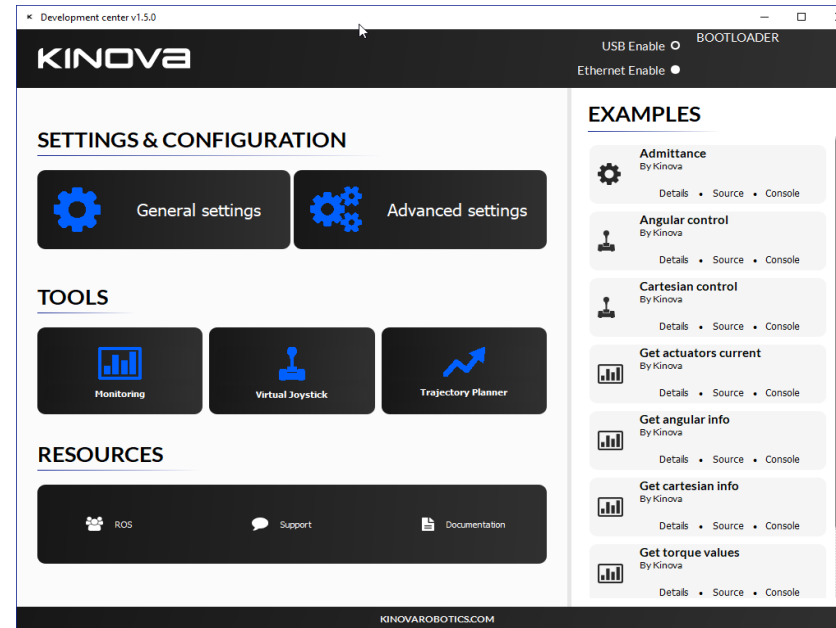
- Connect the arm to the computer via USB, power-on the arm and launch Development Center.

Security

Referencing Documents

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- In the top right corner, the mention "BOOTLOADER" should be displayed



- Click on General Settings and go to the Update tab.
- Click on Browse and choose the firmware version attached to this email.
- Click on Update (this step can take up to 2 minutes)
- Once the update is completed, power down the arm and remove the short circuit from the joystick pins.
- Power on the arm.
- Verify in Development Center that the arm serial number is displayed in the top right instead of BOOTLOADER.
- Verify in General settings / Update tab that the firmware version displayed is the same as the one installed by the procedure