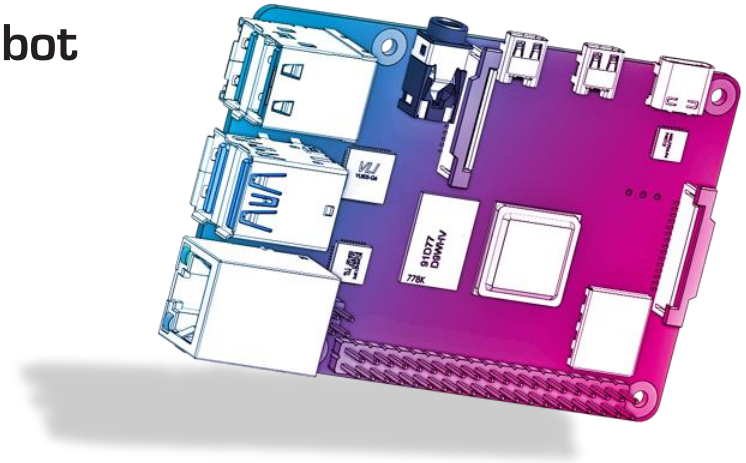
PRINT
BUILD
DEVELOP
YOUR OWN ROBOT

How to build your robot

www.pib.rocks/build



instructions for:

START UP

v2025

Build it better: our suggestion for assembling pib

We recommend **tools** for each step. These are a suggestion, you can of course also use other tools.

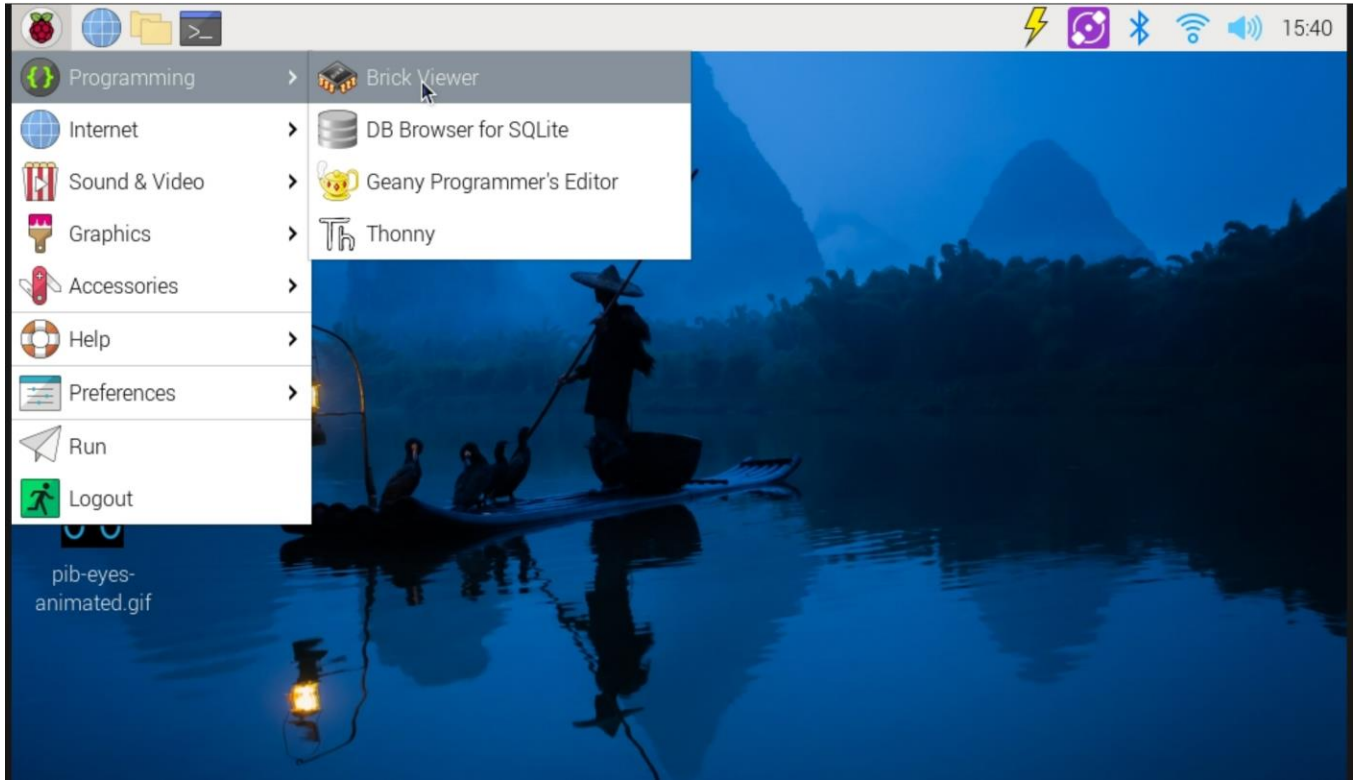
1-5

We have categorized each step according to its **difficulty** - from **1-5** (1 being the easiest, 5 the hardest)

We also show you which **non-printable parts** you need for each step

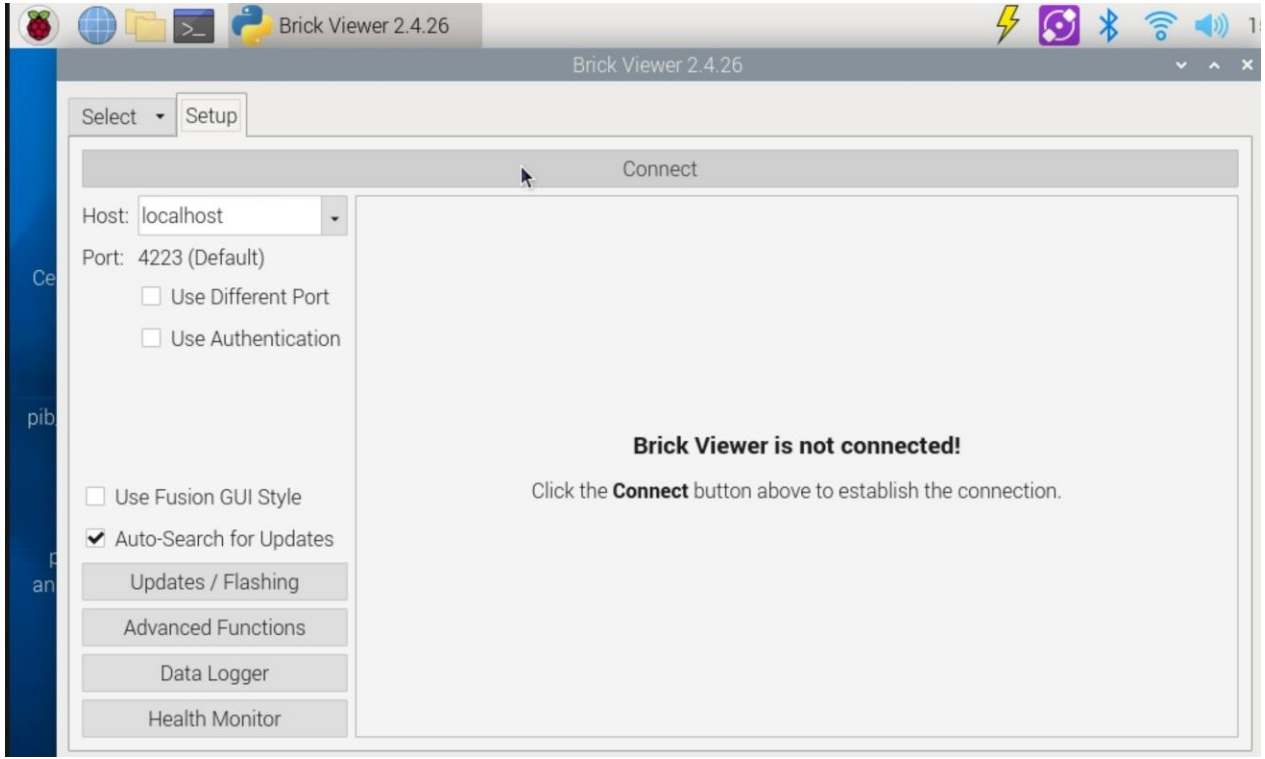
Step 1

Click on the top left Raspberry icon, then point at programming and select brick viewer



Step 2a

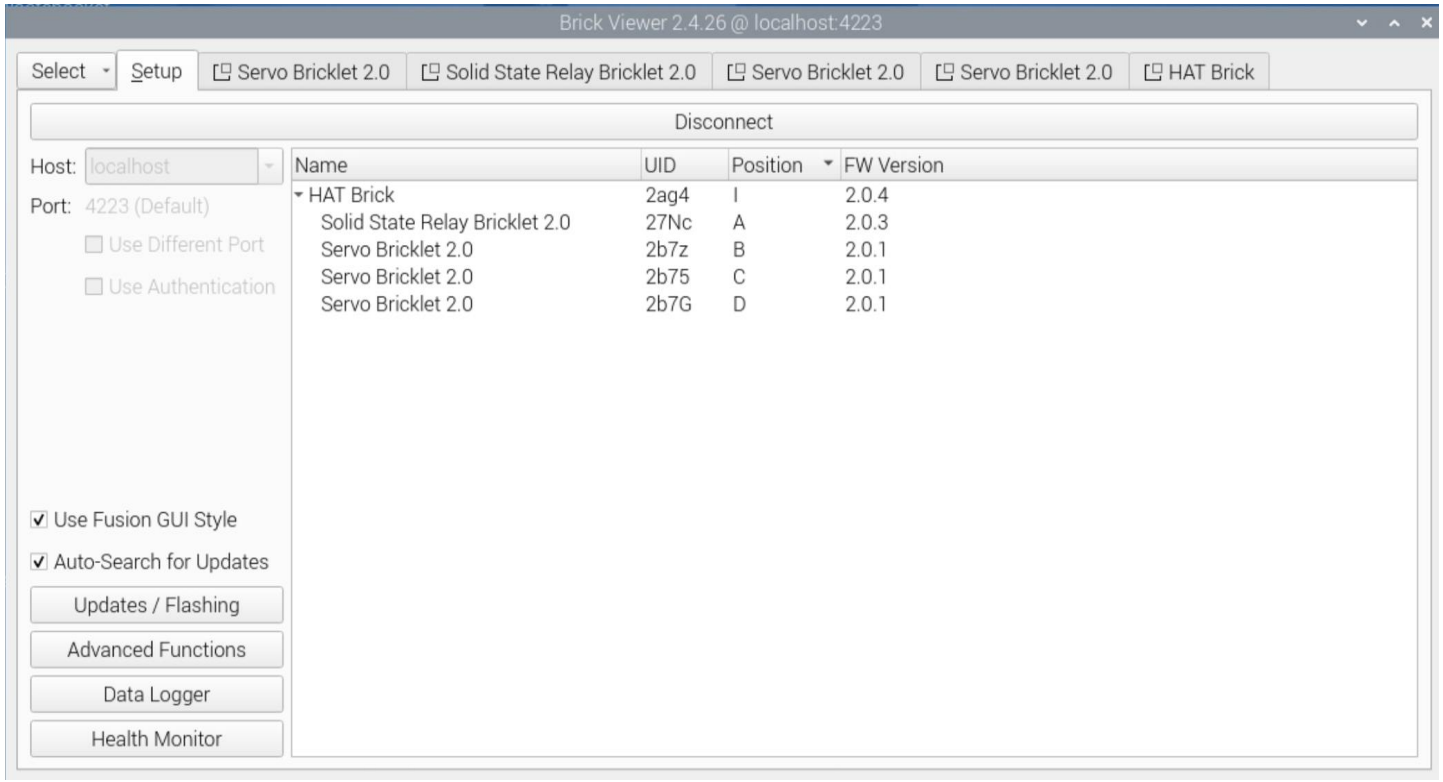
Click on connect



This connects all connected tinkerforge icomponents (1x Relay Bricklet, 3x Servo Bricklet) to the brick viewer software

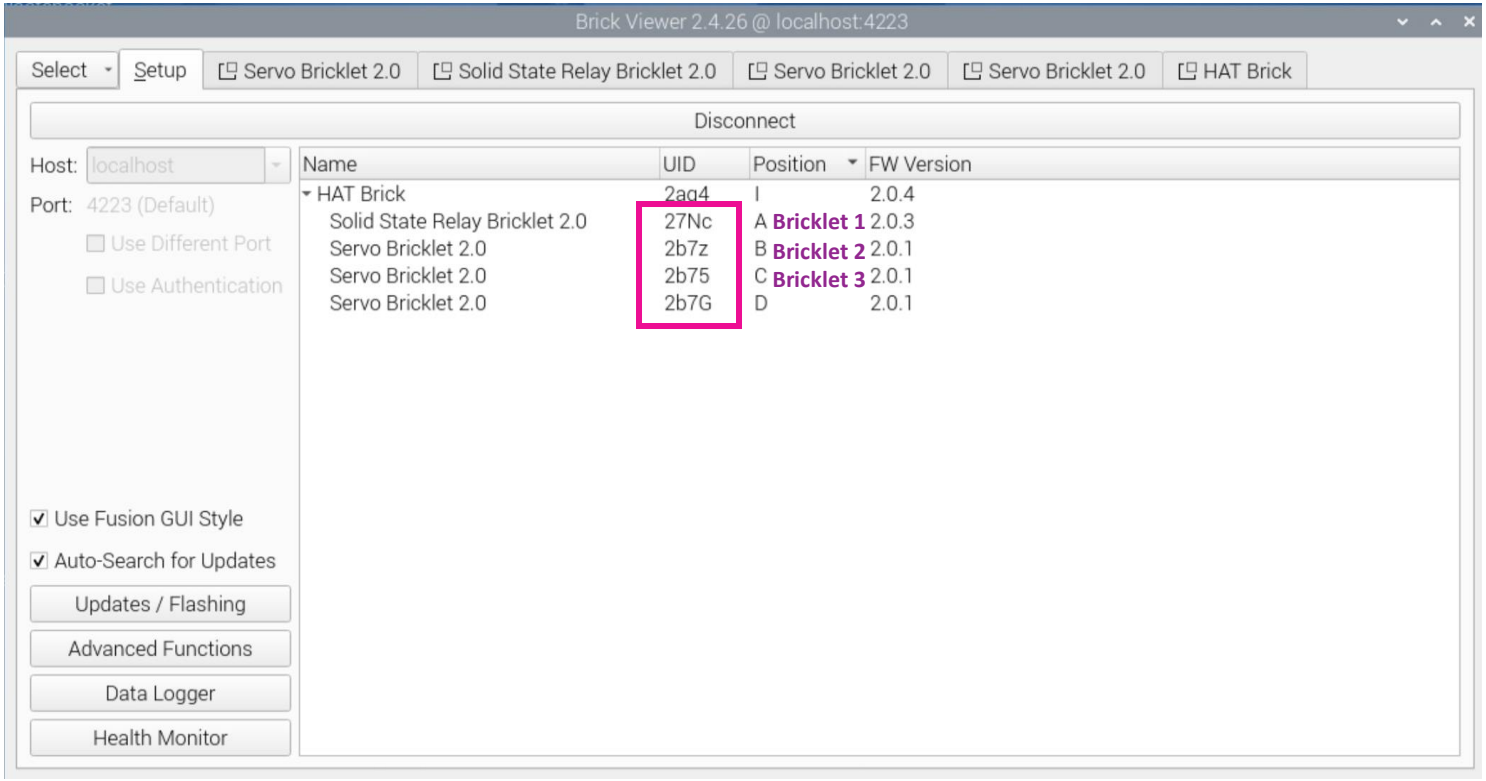
note

I. relay bricklet is for controlling the power supply
II. servo bricklets are for controlling the motors



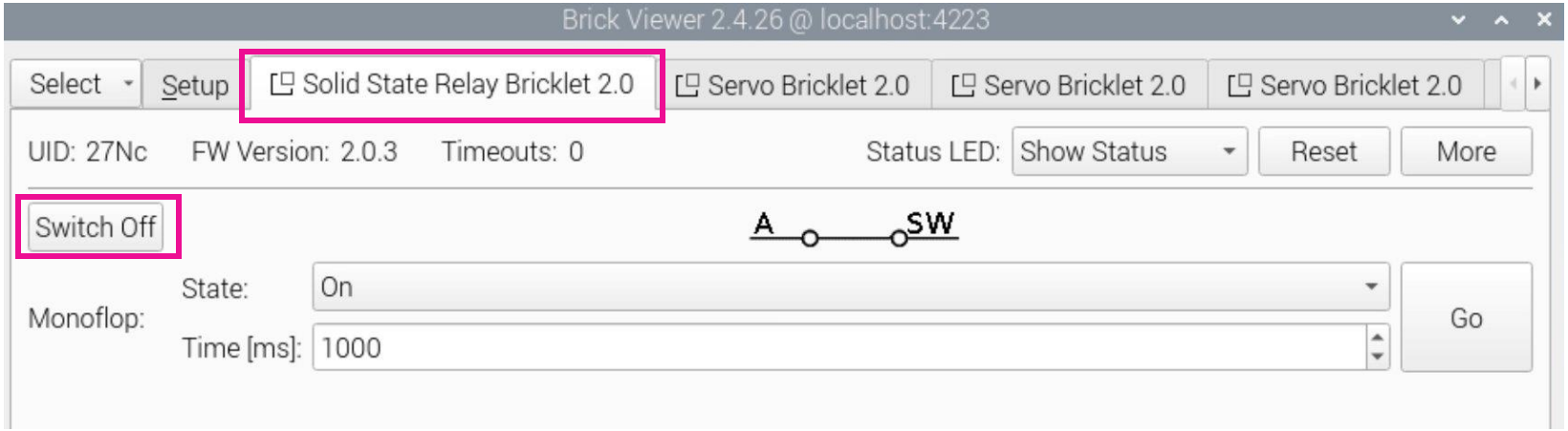
Step 2b

Write the UIDs beside each bricklet in a piece of paper (case senstive), but make sure you connected bricklet cables to correct ports as the picture



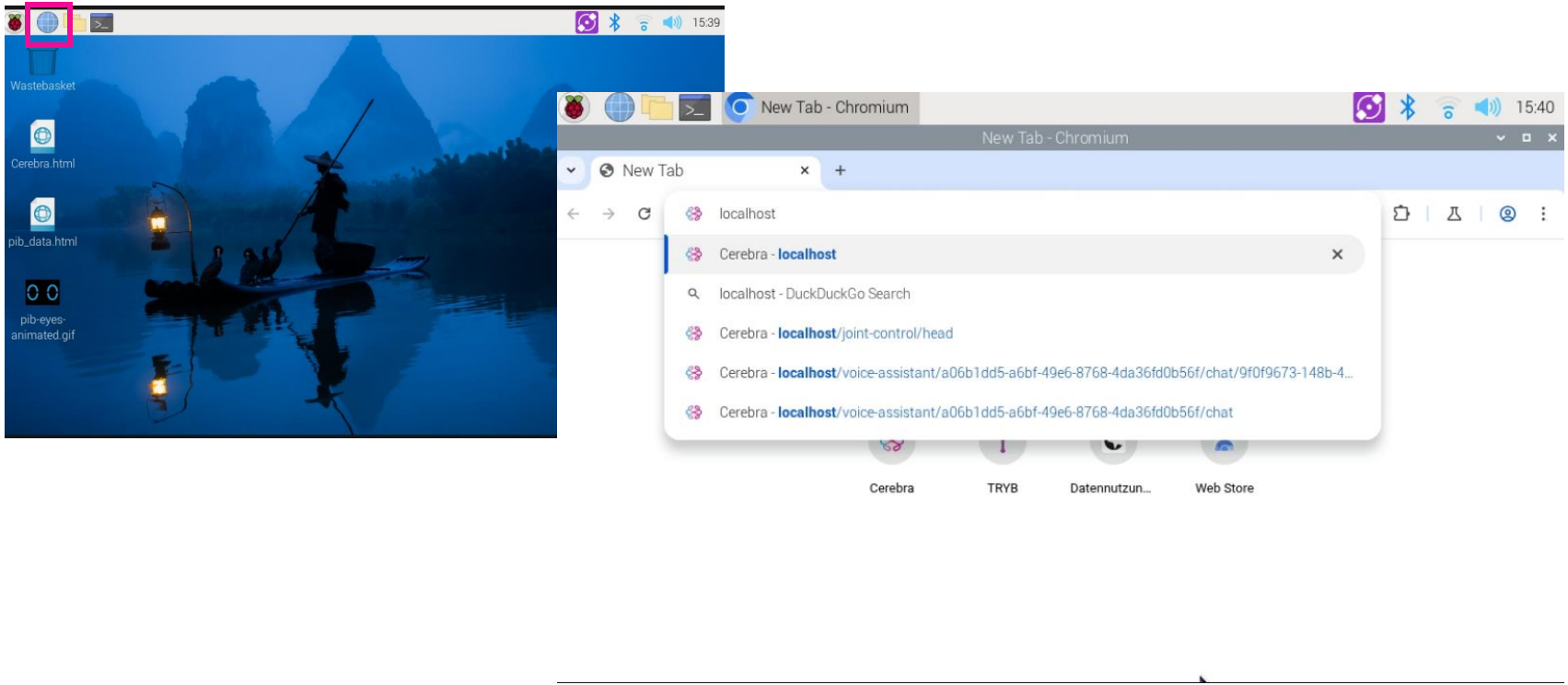
Step 3

To turn on and off the power for motors click on the shown button in solid state relay bricklet tab



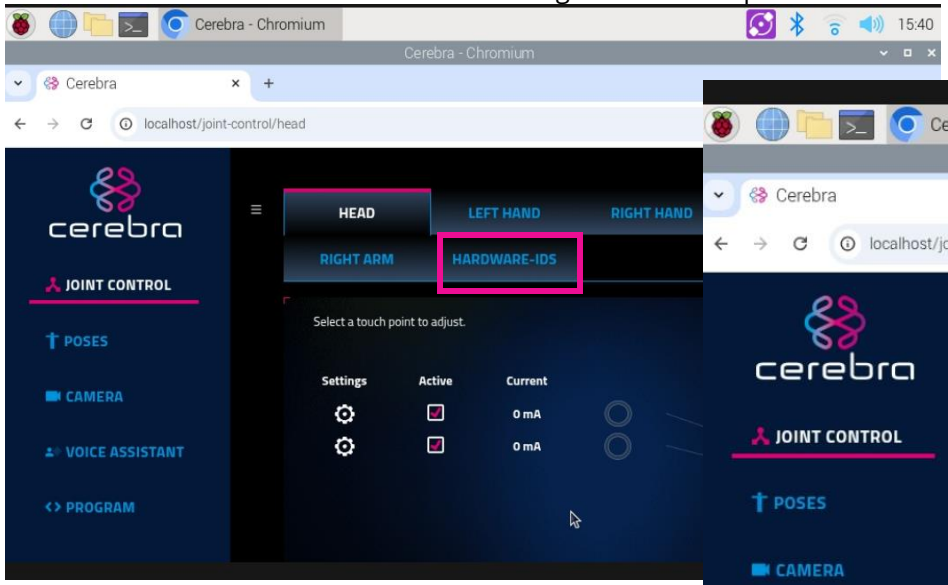
Step 4a

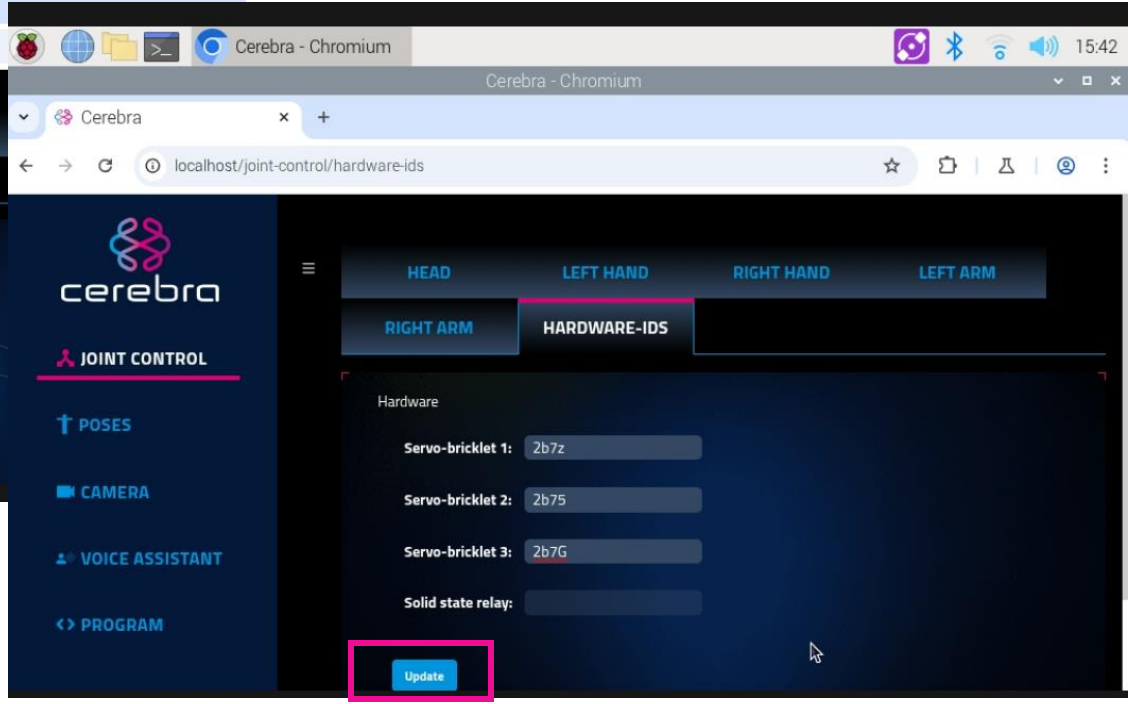
Open a new browser window and navigate to localhost



Step 4b

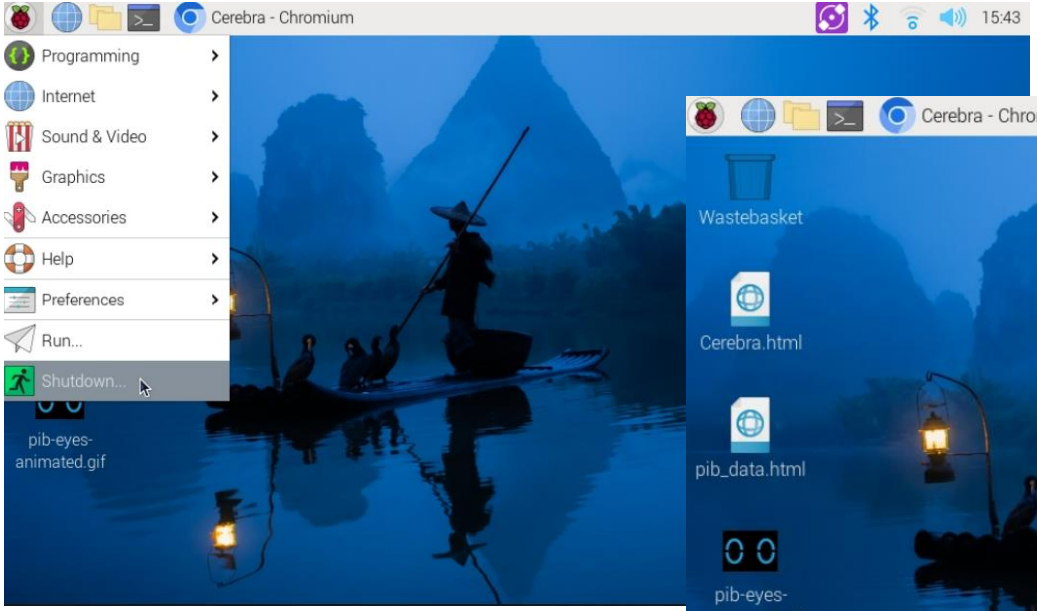
Click on bricklet UIDs and enter the UIDs we gathered in step 2b and click on update

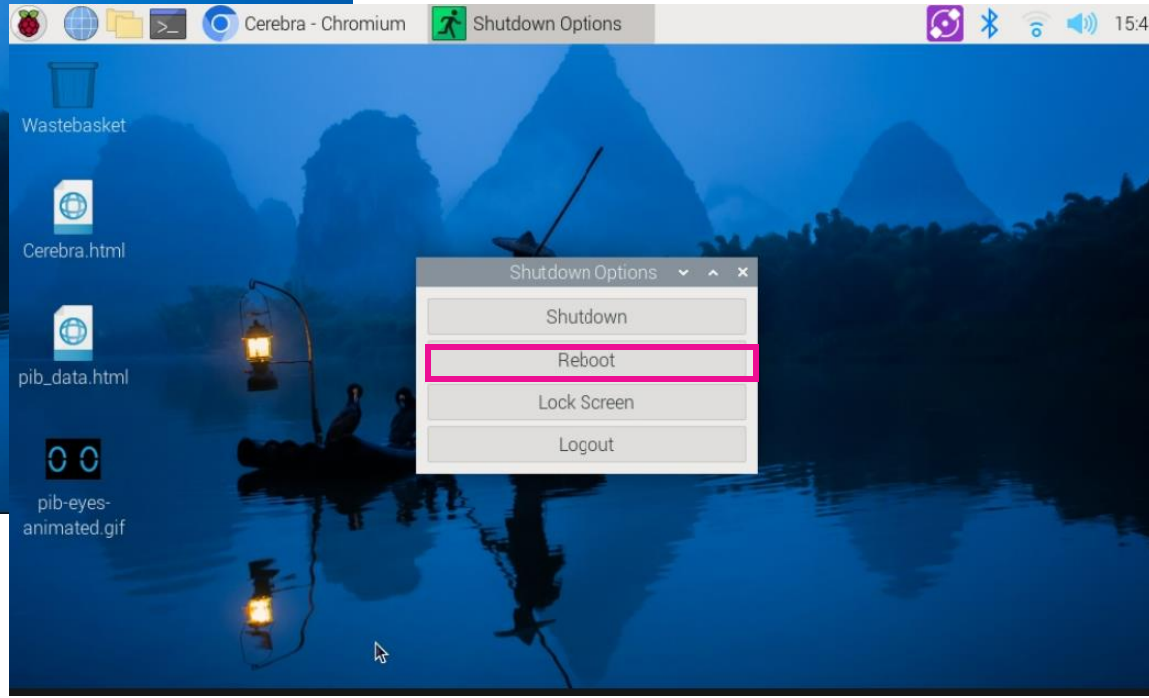




Step 4c

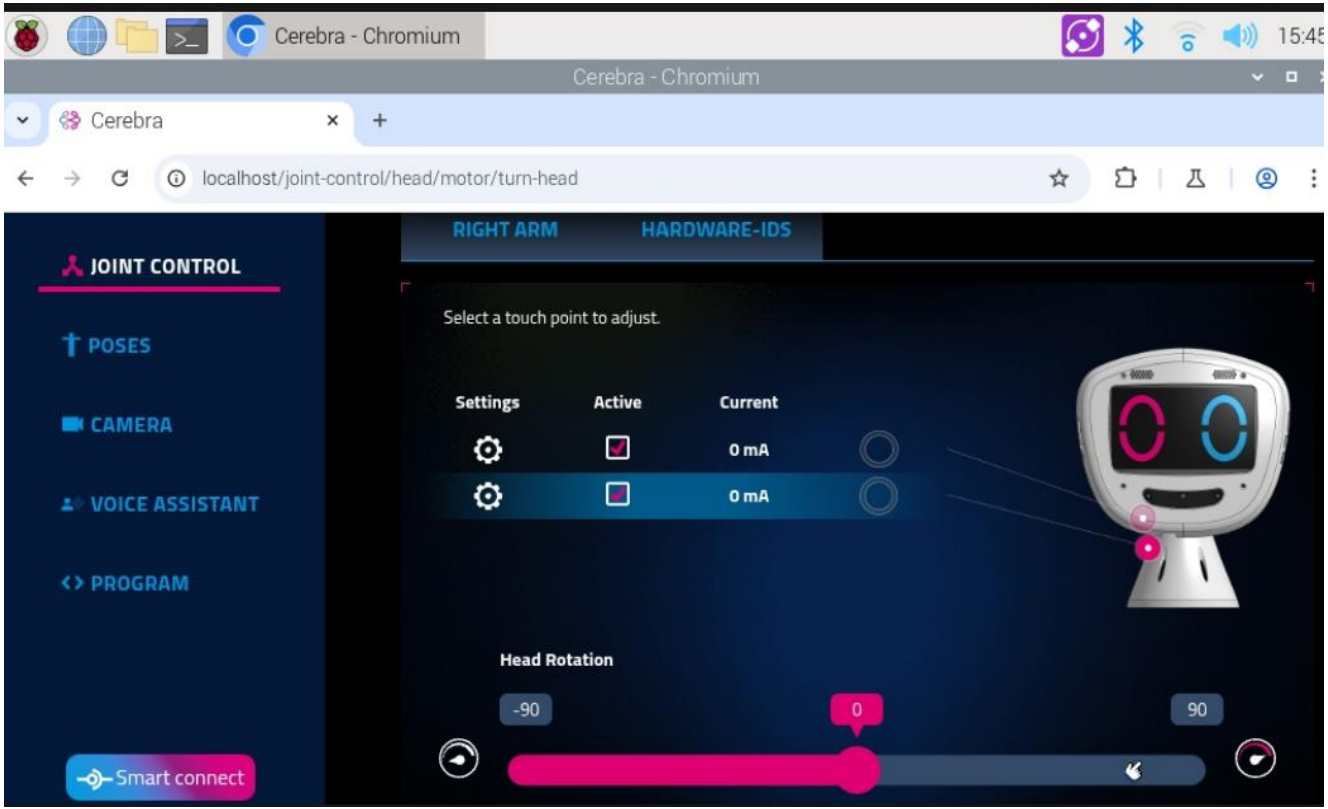
Restart pib





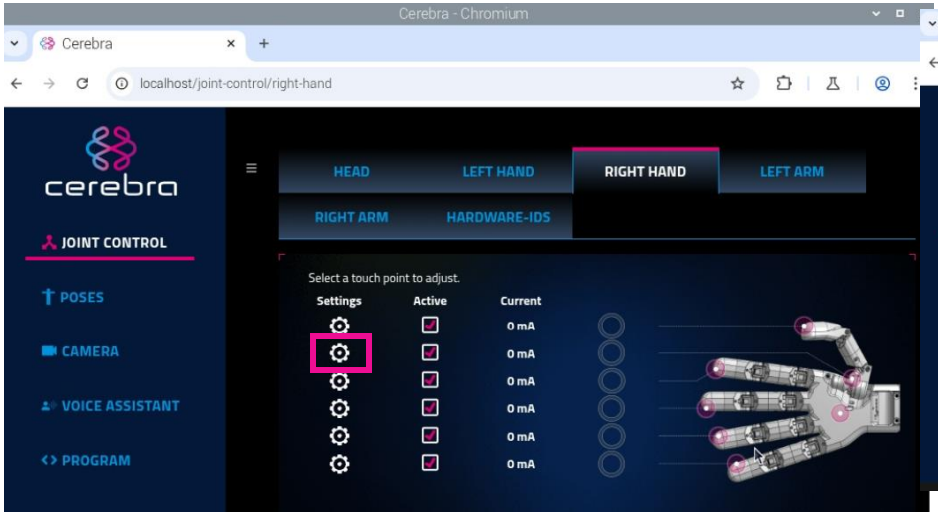
Feature 1

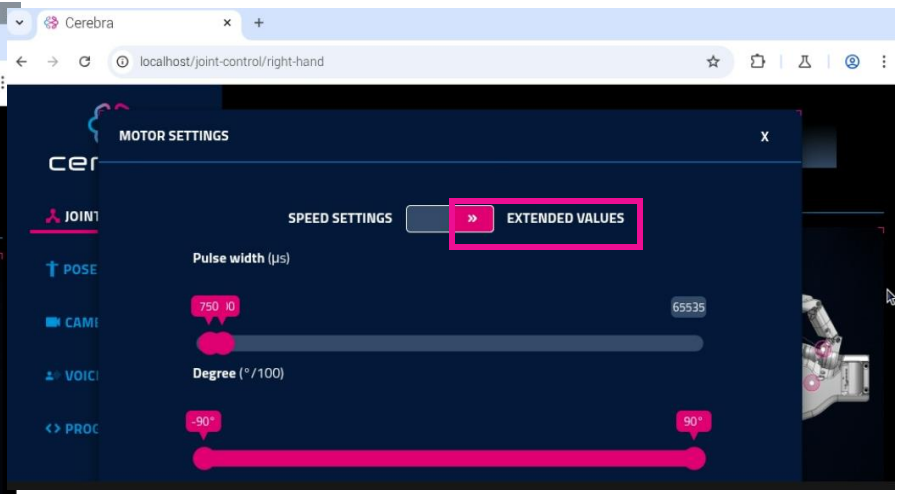
Click on joint control and select any joint you want to move and just move the slider

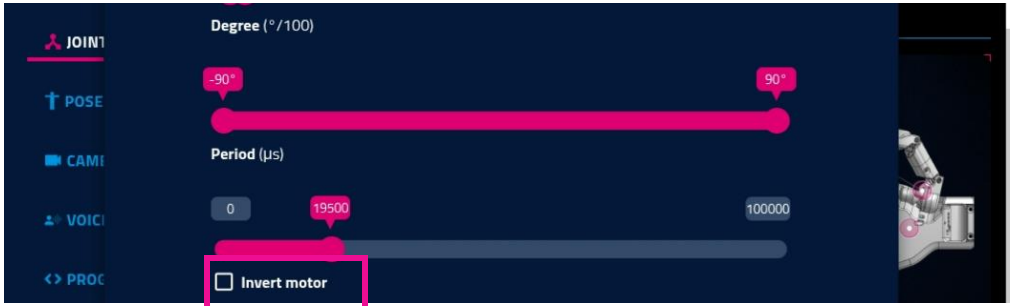


Note

If a finger moves in the opposite direction to others, click on the finger, click on settings icon, click on extended values and click invert

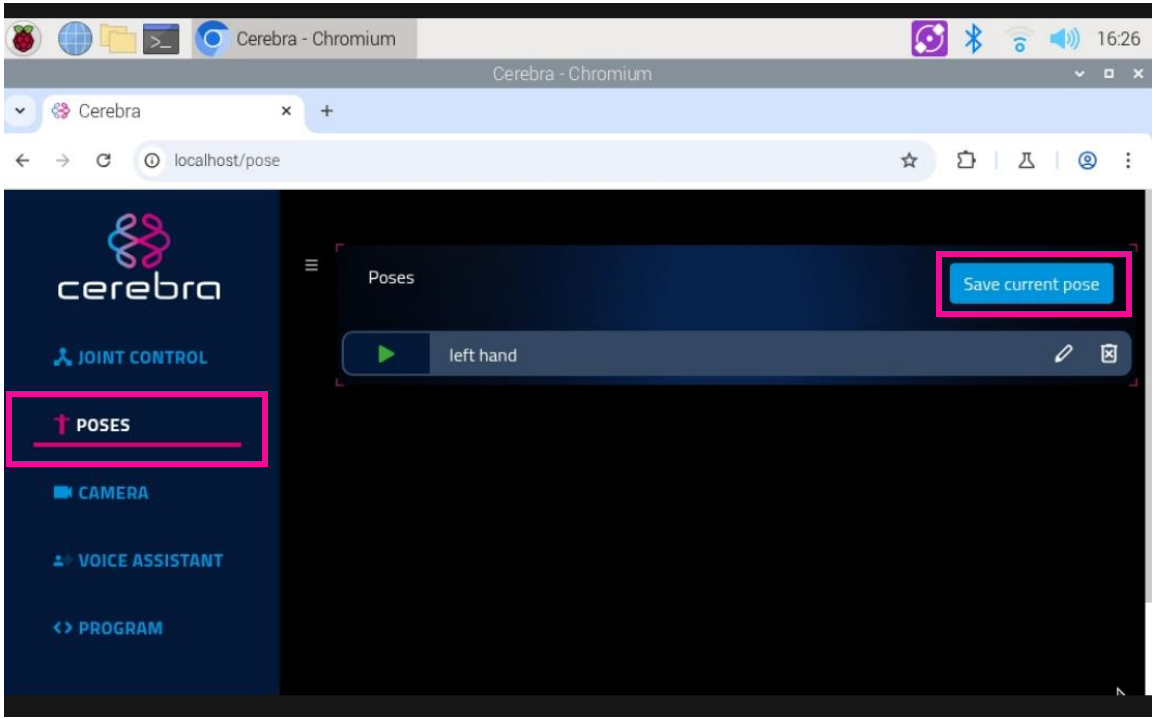






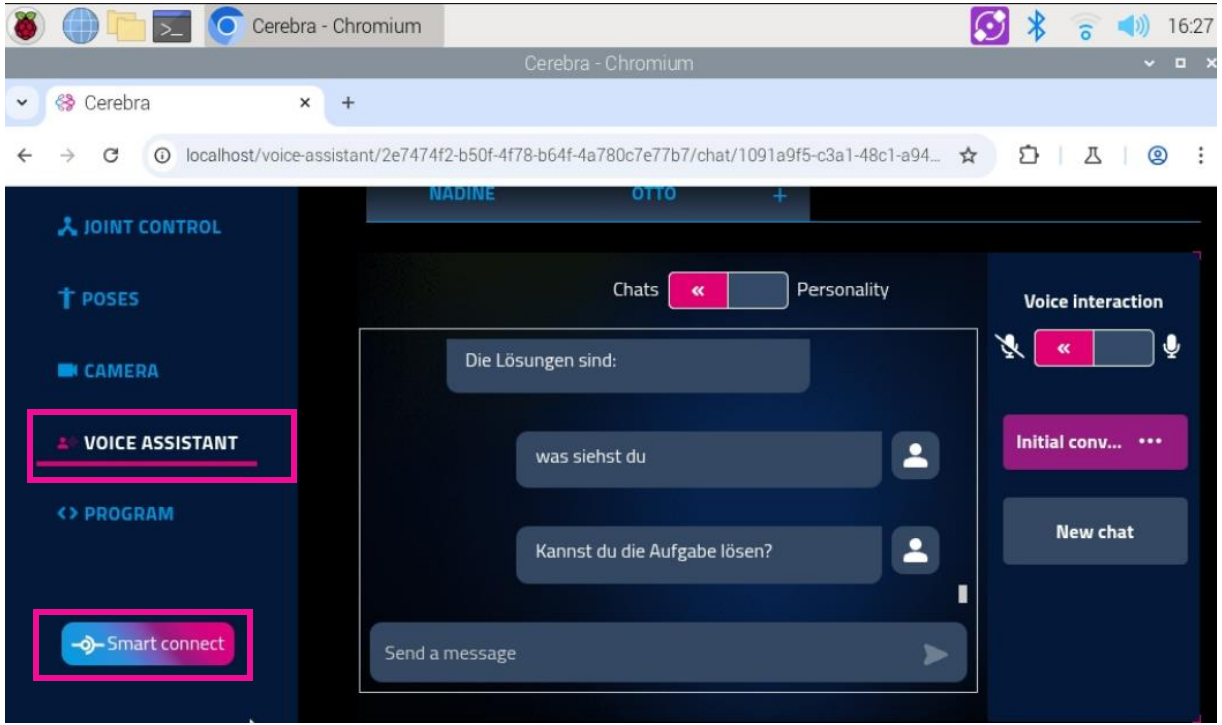
Feature 2

Move the joints with joint control to a configuration you want to save, then navigat to poses and create new pose. Now every time you click on this pose, pib will go to the saved configuration



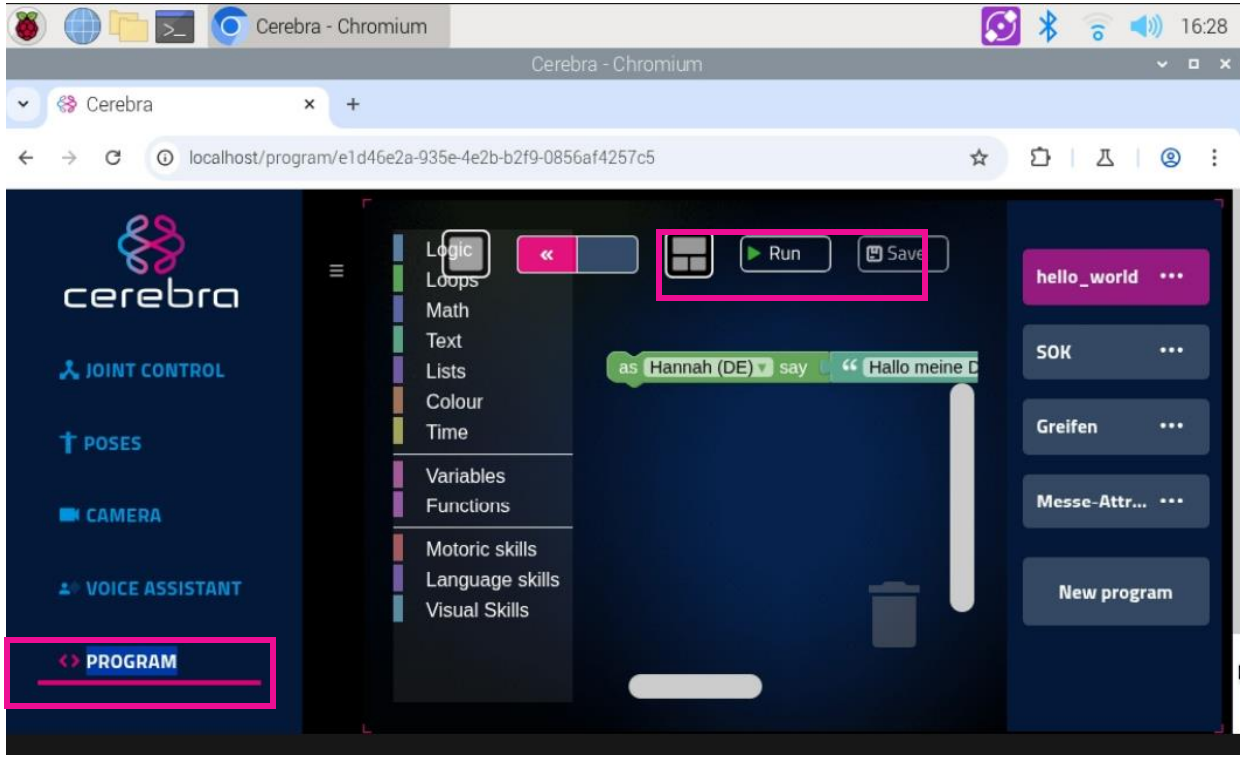
Feature 3

Click on smart connect API, get in touch with pib team at team@pib.rocks to provide you with a token, enter this token, a new password and start talking with pib



Feature 4

Click on block programming to create a script with basic blocks, then click run to start it



Congratulations

You did a great job, you have started pib!

Do you need support?

Or do you need our pib.Box with all non-printable parts?

Or maybe you have some new ideas and improvements?

Please contact us.

team@pib.rocks
Send us an email.

discord.com/invite/GRdpyeDu7P
Join us on Discord.

shop.pib.rocks
Order non-printable parts for pib.