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How to build your robot

www.pib.rocks/build

instructions for: **START UP** v2024







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

Brick Viewer 2.4.26 @ localhost:4223										
Select - Setup	Servo Bricklet 2.0	🕒 Solid State Relay E	Bricklet 2.0	🕒 Servo B	Bricklet 2.0	🕒 Servo Bricklet 2.0	🕒 HAT Brick			
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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

Brick Viewer 2.4.26 @ localhost:4223									
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✓ Use Fusion GUI Style									
✓ Auto-Search for Updates									
Updates / Flashing									
Advanced Functions									
Data Logger									
Health Monitor									



Step 3

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Switch Off]			<u>A_o_oS\</u>	N				
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Step 4a

Open a new browser window and navigate to localhost



(1)1



Step 4b

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





Step 4c

(1)1

Restart pib





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





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





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





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.