Software - LEGO Powered Up App GBC 54 Vertical Conveyor Lift – 42146 Alternate Build





Version: v1

Open the LEGO Powered Up app on your smart device.

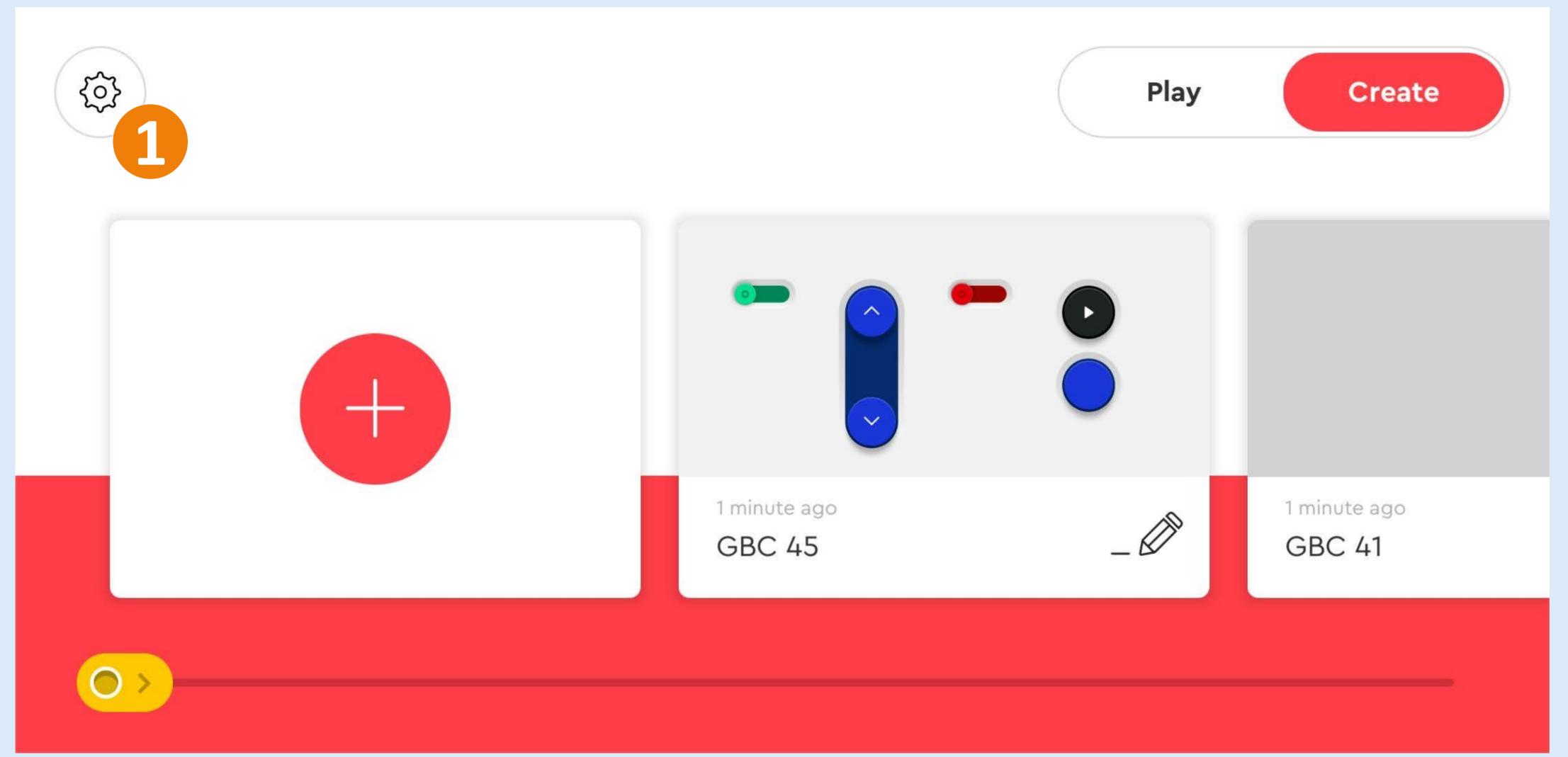
Complete the steps in the correct order by following the numbers.





First click on the gear icon to go to settings (1).





Click on the "Default Palette Level" button (1) and select on "Advanced" (2). Once selected, go back via arrow icon (3).





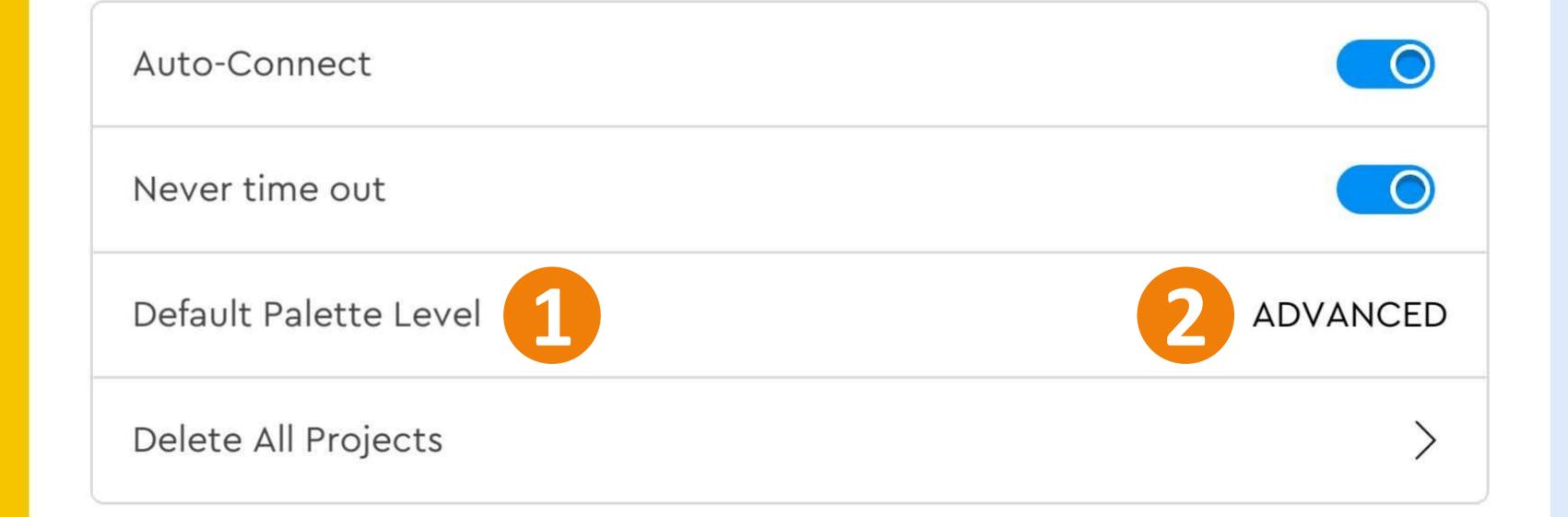
Language

Settings

About

Help

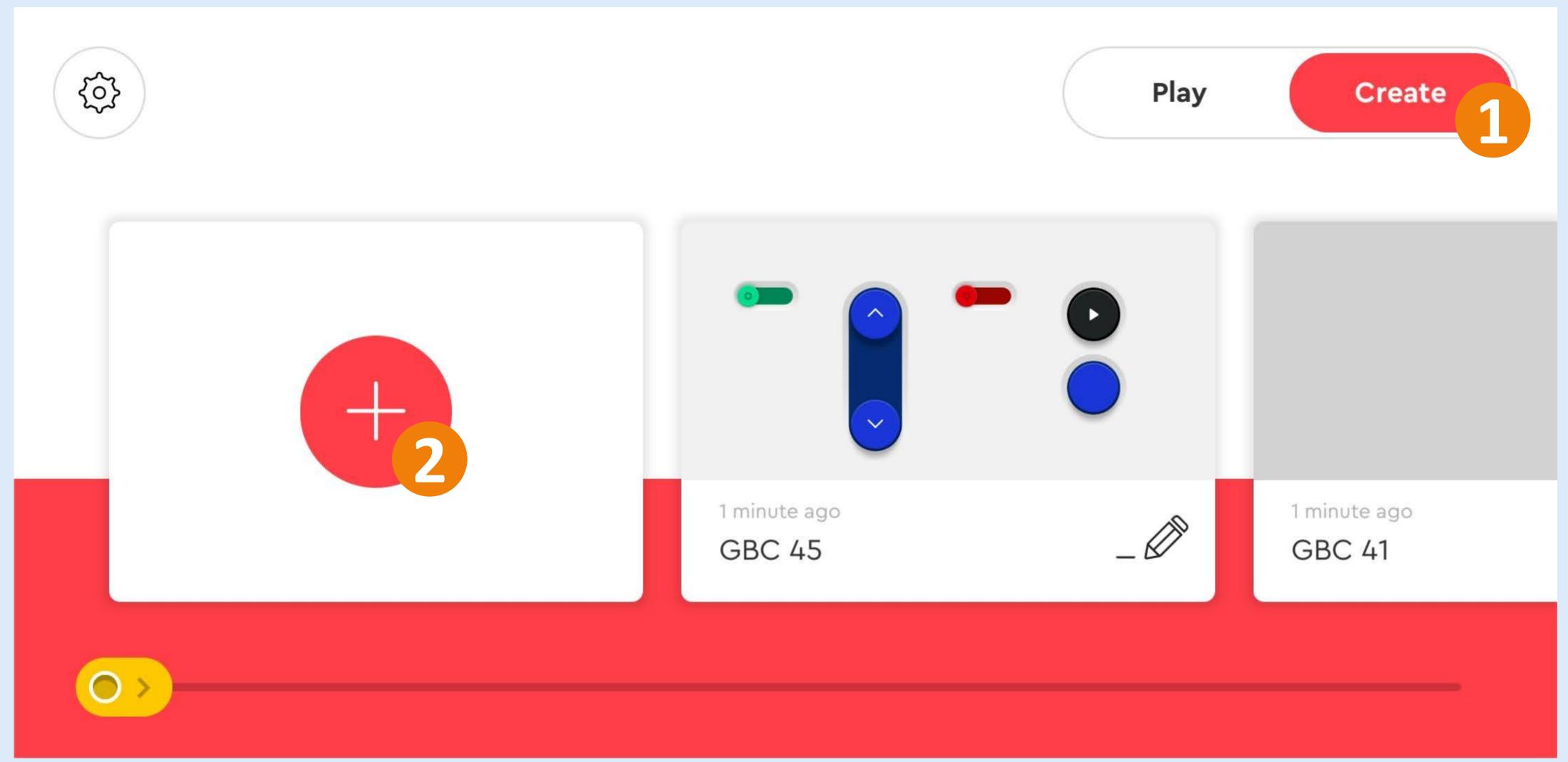
Settings



3.7.0

Click on the "Create" button (1) and tap on the + sign (2).





Enter a name for your project.

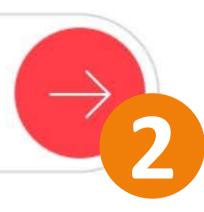


01 - 03

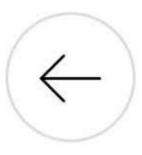
NAME YOUR PROJECT









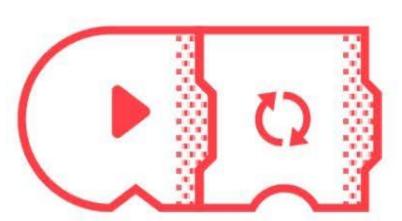


02 - 03

CHOOSE PROJECT TYPE

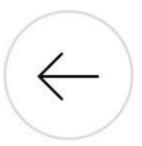






Coding





03 - 03

CHOOSE CONTROLLER



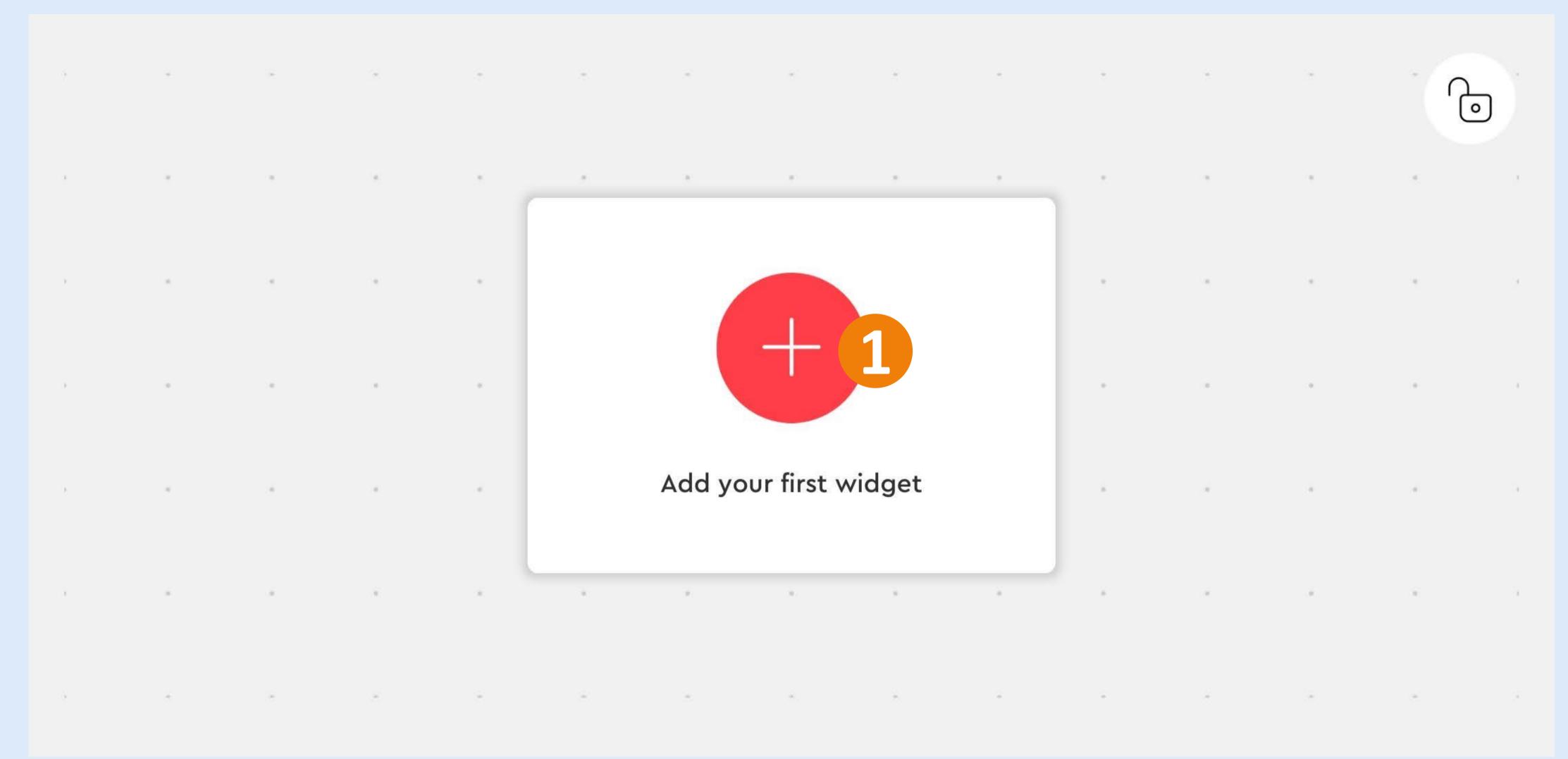






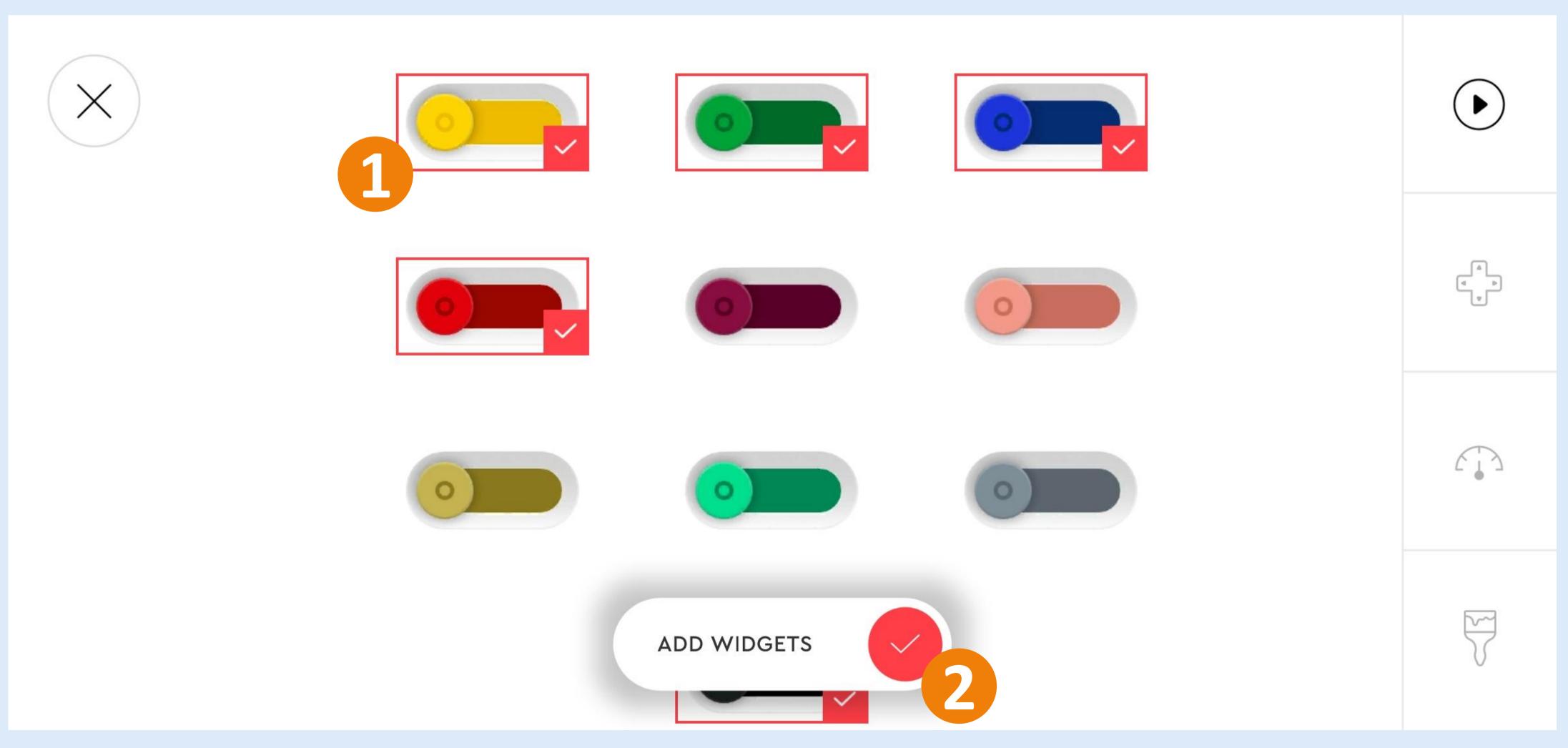
Click on the + sign to add your first widgets/buttons.





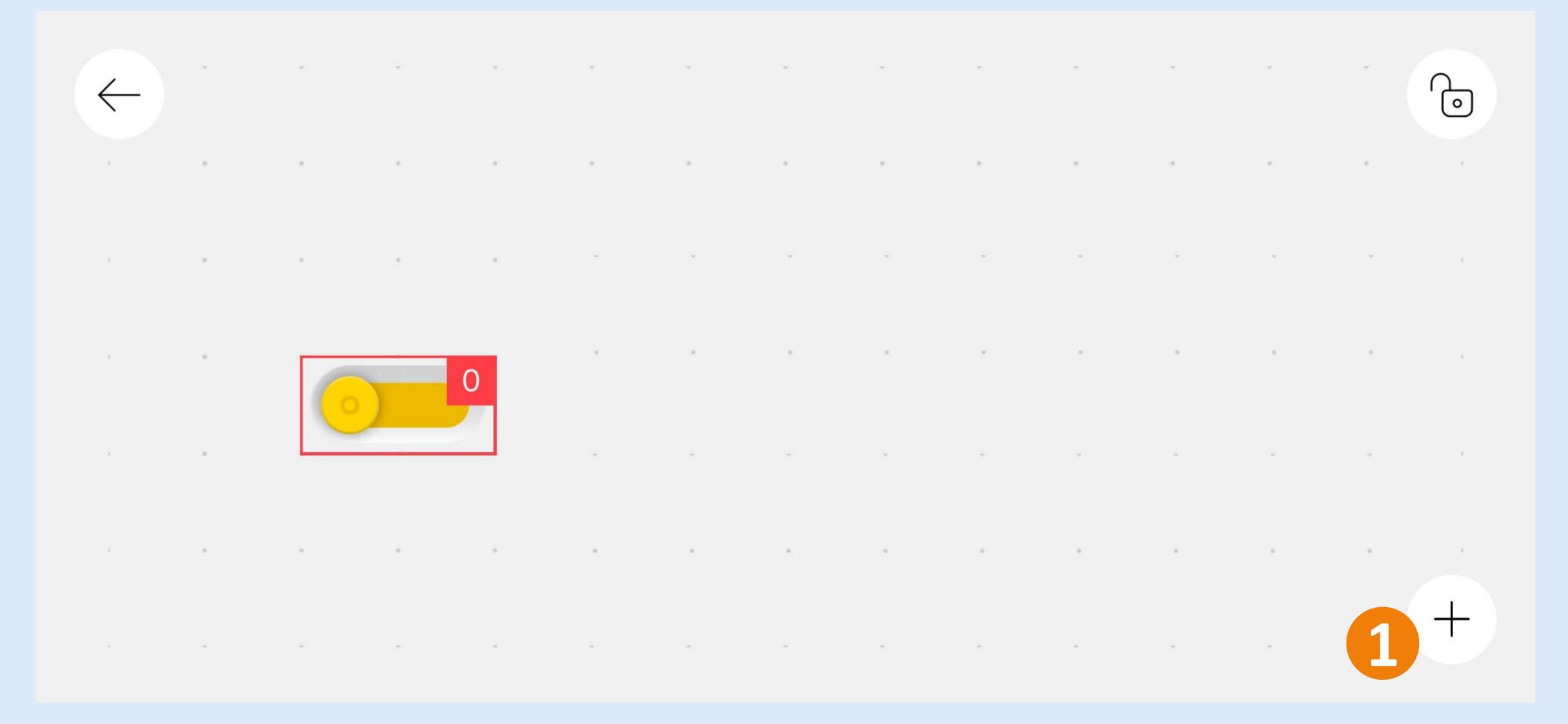
Add the following colored buttons (1). You can select more buttons simultaneously. Scroll up and down to find all the buttons. Click "Add Widgets" to proceed (2).





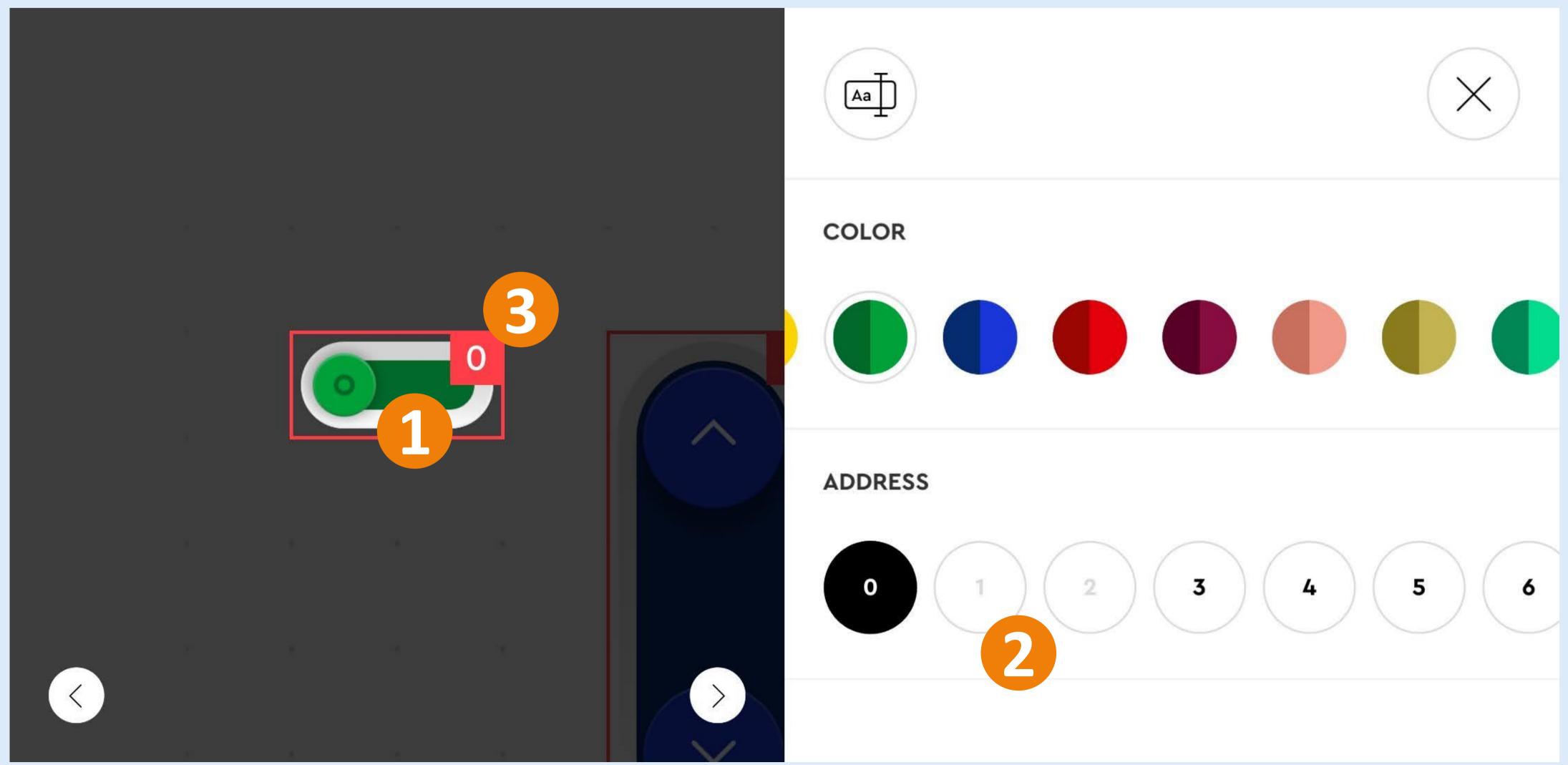
Rearrange the button as shown below. If you made an mistake, click the + sign (1) and add the correct button in the correct color. Scroll up and down to find all the buttons. You can select more buttons simultaneously in the add widget screen.





Click on the button (1) and change the address (2) as shown below in the red square (3). See previous step for all the correct addresses.





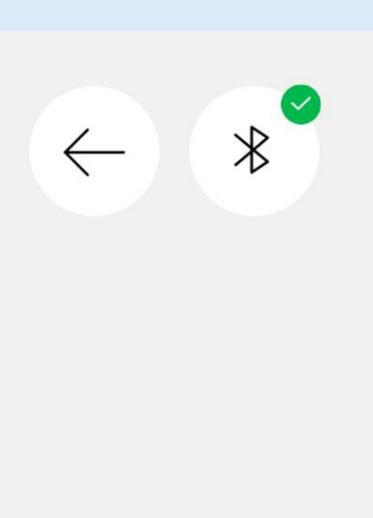
Double check all the addresses in the red squares!
Click on the lock icon to confirm and lock the buttons (1).



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You should now see this interface. Click on the code icon to proceed (1).







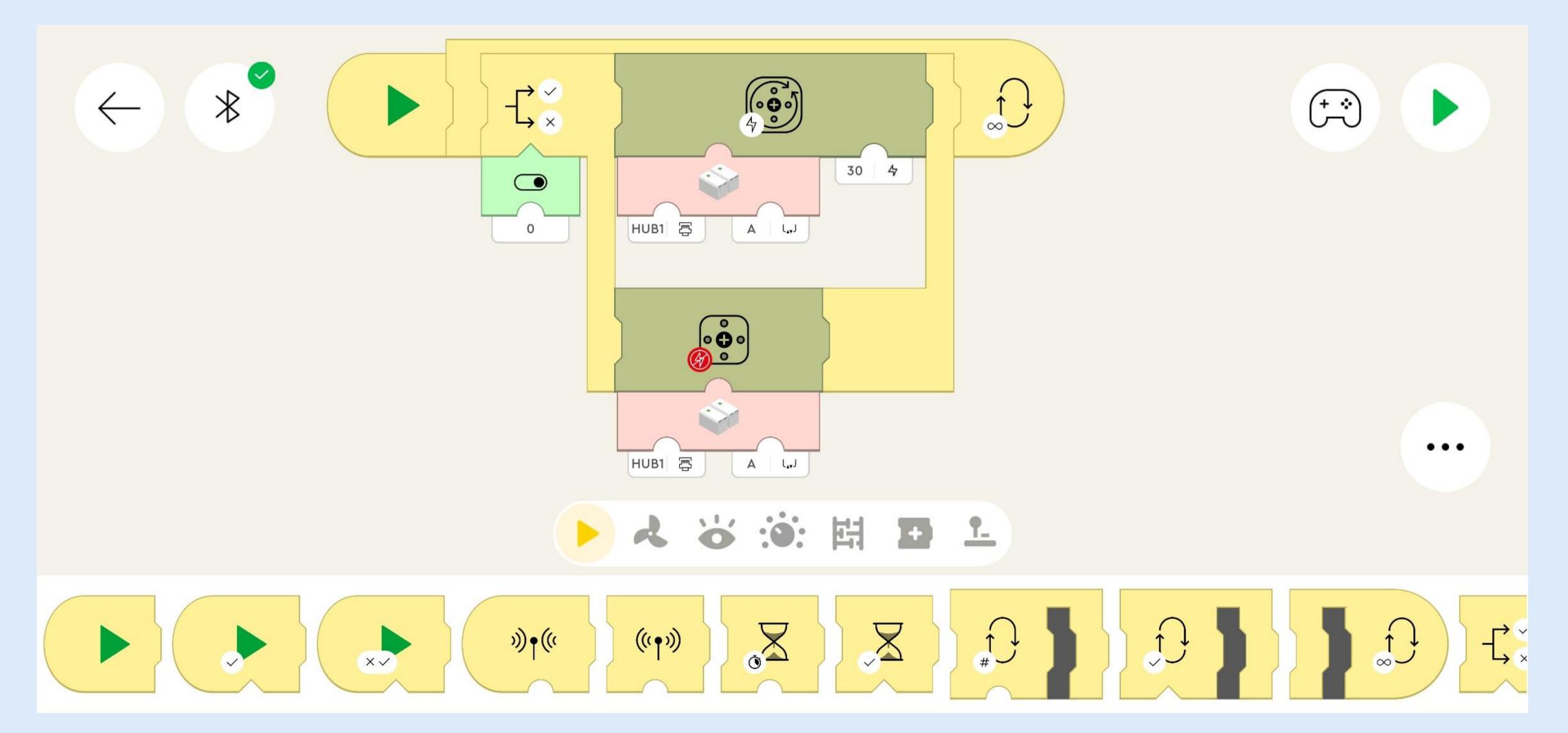






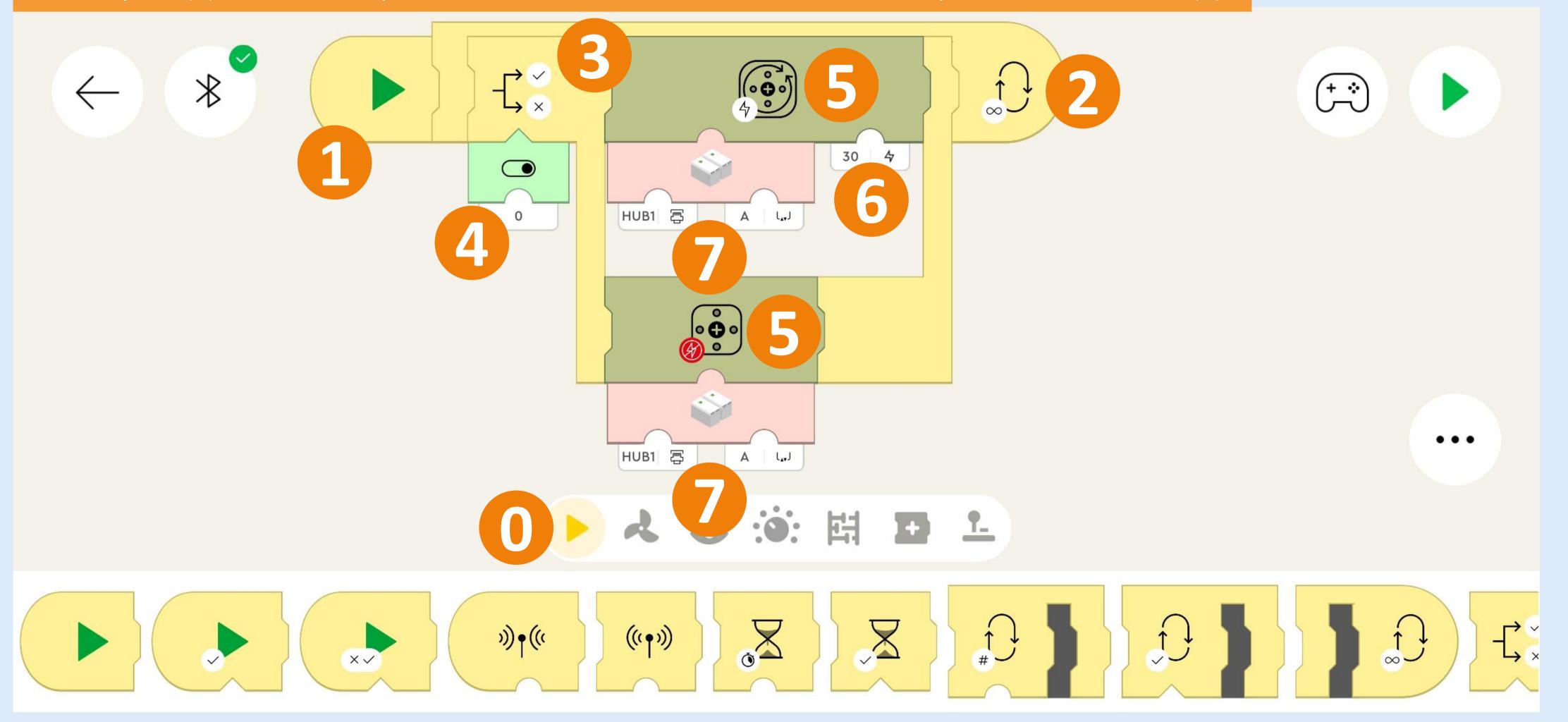
This is the code interface which should still be blank by now. In the next steps we are going to build this step by step in the order shown below. You can zoom in and out on the code interface by pinching your fingers.





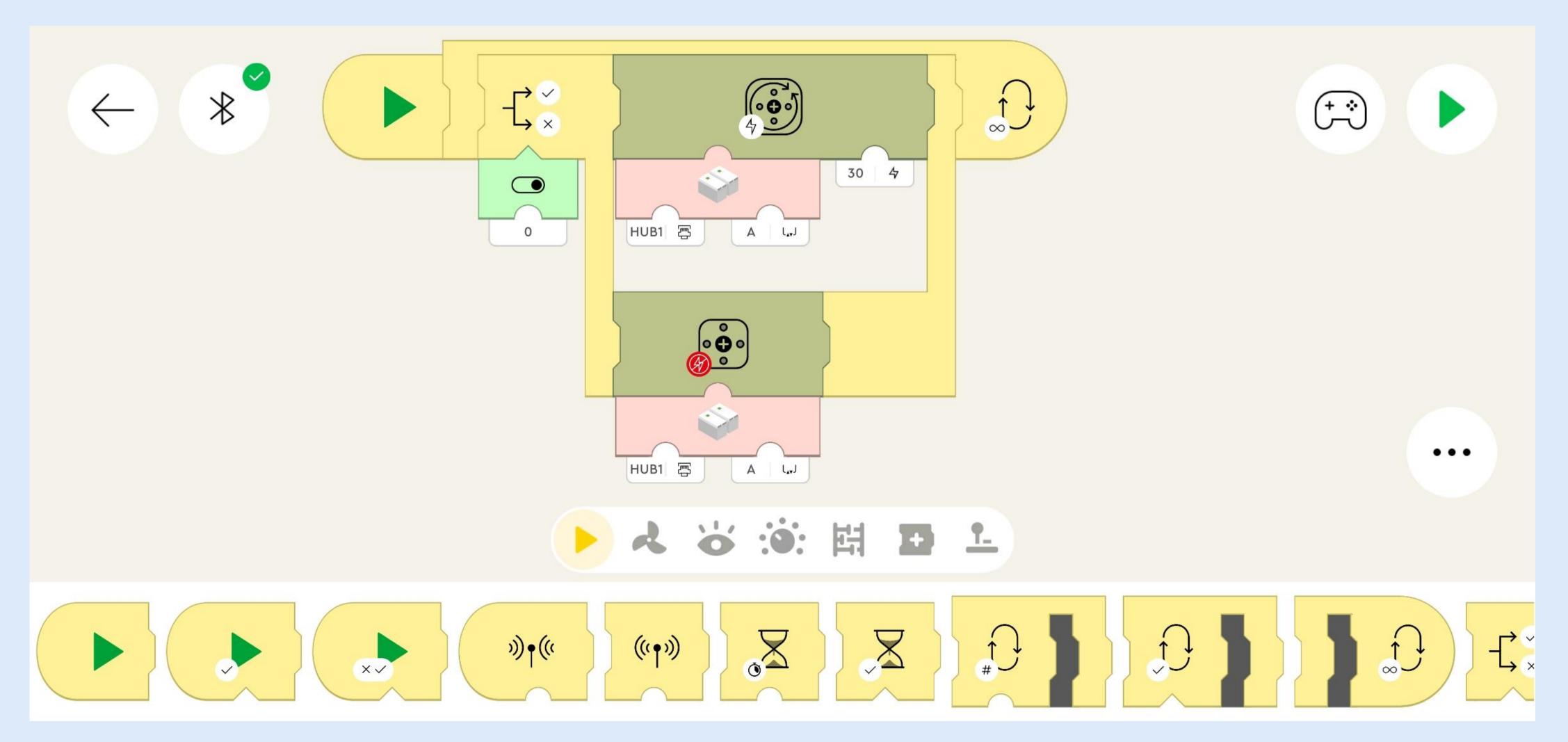
This code is for the Vertical Conveyor Lift. You can find all the blocks in the library of the same color (0). Drag them into the project one by one on the code interface. Start from the left and work from the outside in. So first get the yellow start block (1) followed by a loop block (2). Inside this loop block you have to place a toggle block (3) which are triggered by button 0 (4). Then add the motor blocks (5) and set the correct speed (6). Add the hub/port block and make sure to select Hub 1 and output A for both motors (7).





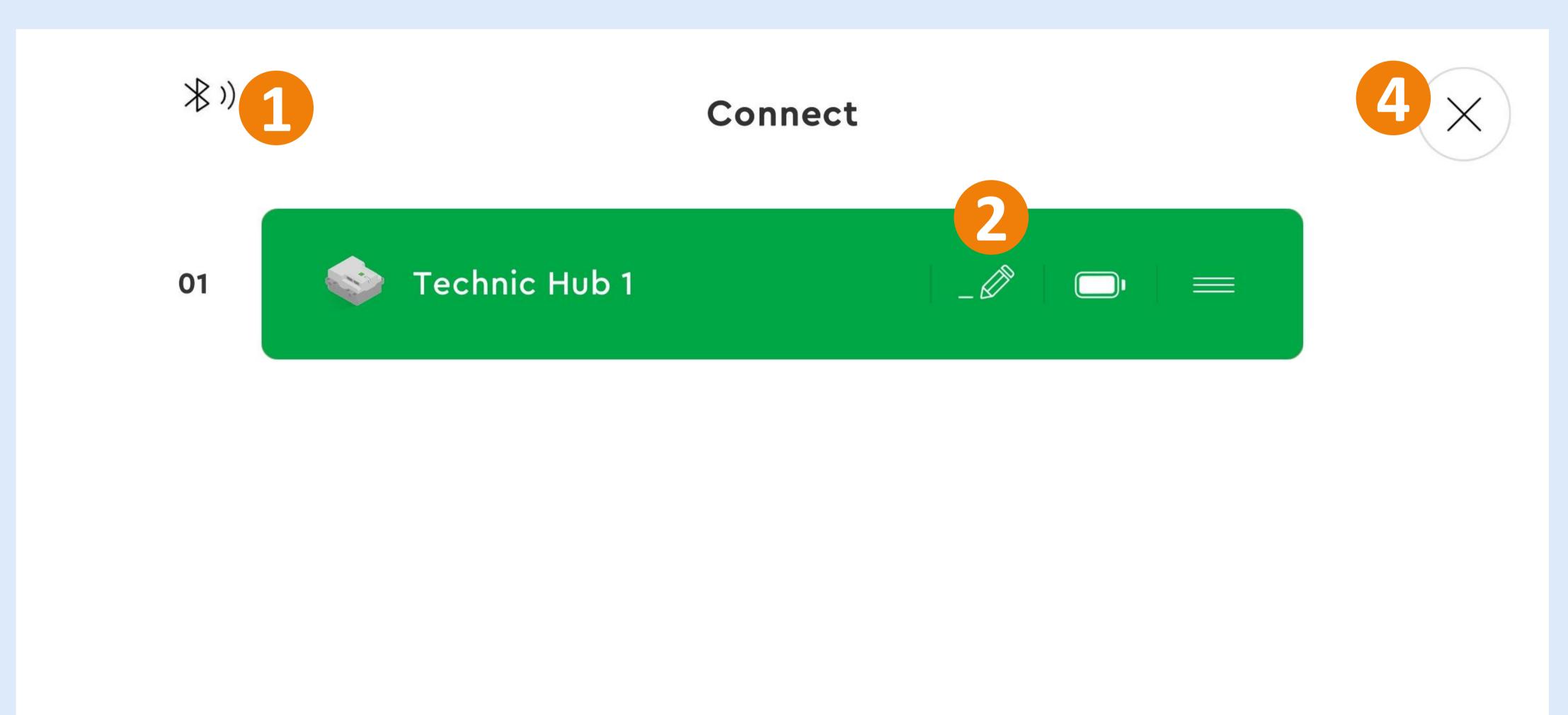
The end result should look like this. You should have 1 starting block followed by code.





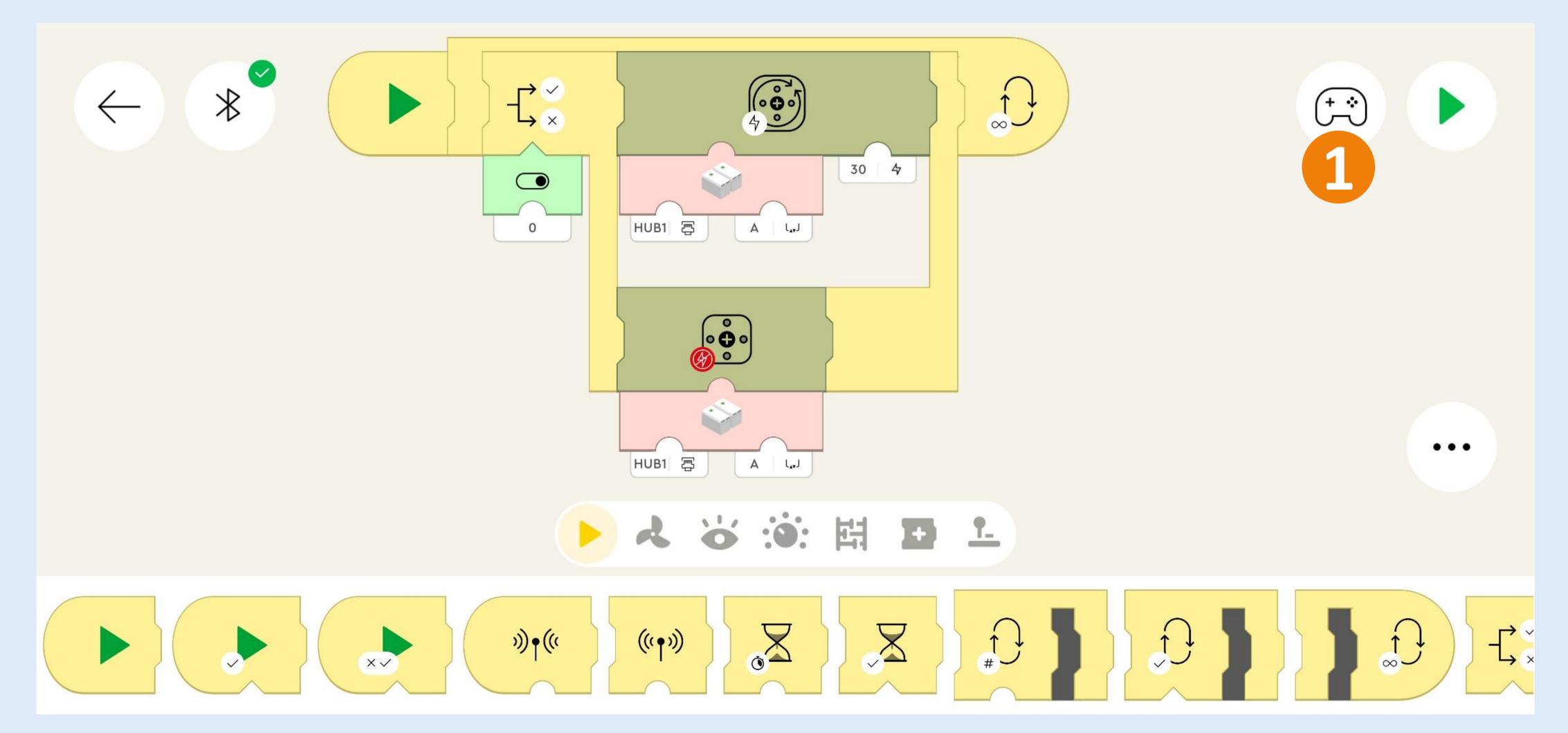
Now we have to set the LEGO Powered Up hubs in the correct order. Click on the Bluetooth Icon and turn the hub on (1). You can optionally rename the hub by clicking on the pencil icon (2). Close the Bluetooth menu if all is exactly like shown below (4).





You are all set! Switch to the controller interface to control the machine (1). Feel free to explore the code and add your own functionality. We can't wait to see all your cool inventions!





The yellow toggle switch (1) powers the Vertical Conveyor Lift. Have fun!













