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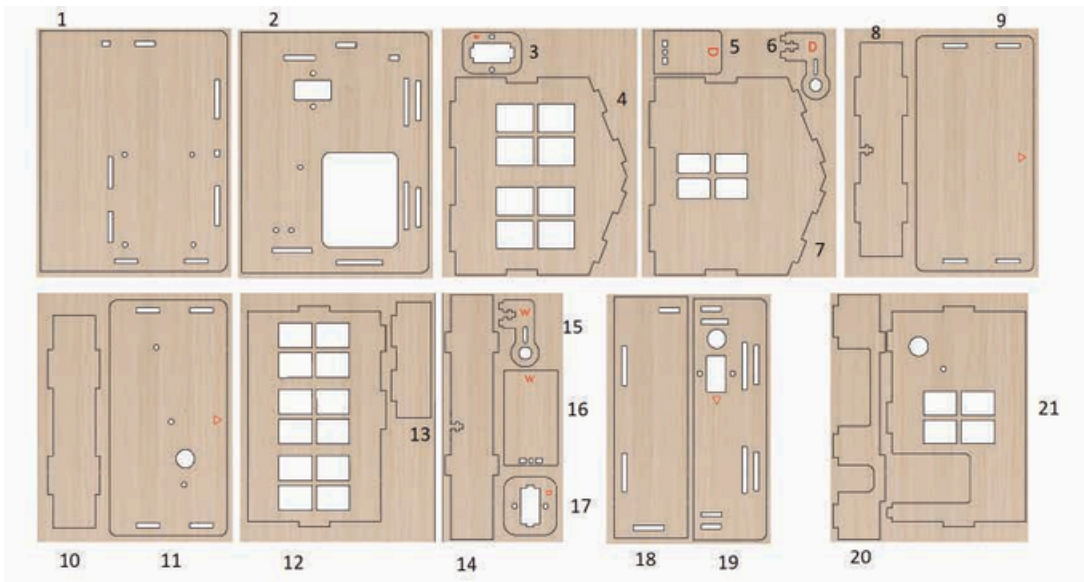
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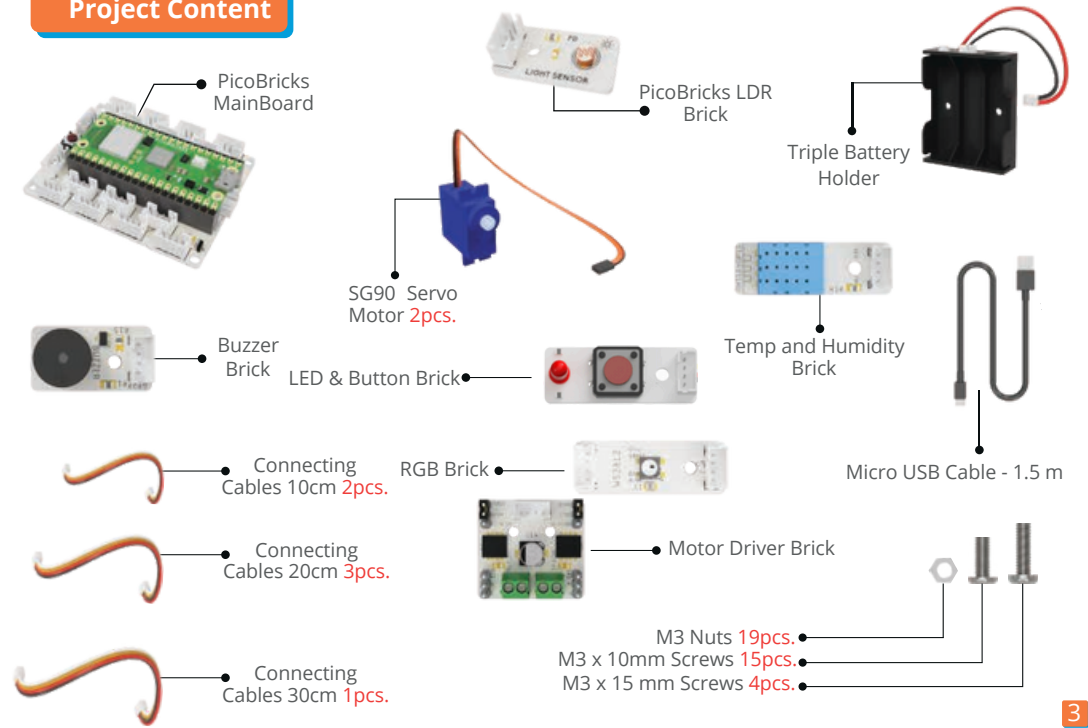
Smart
Home Kit



Project Content

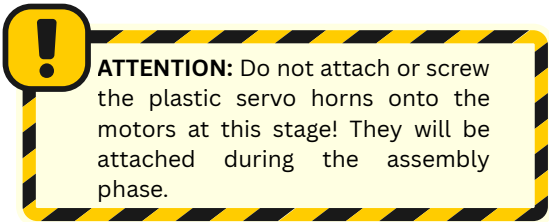


Project Content

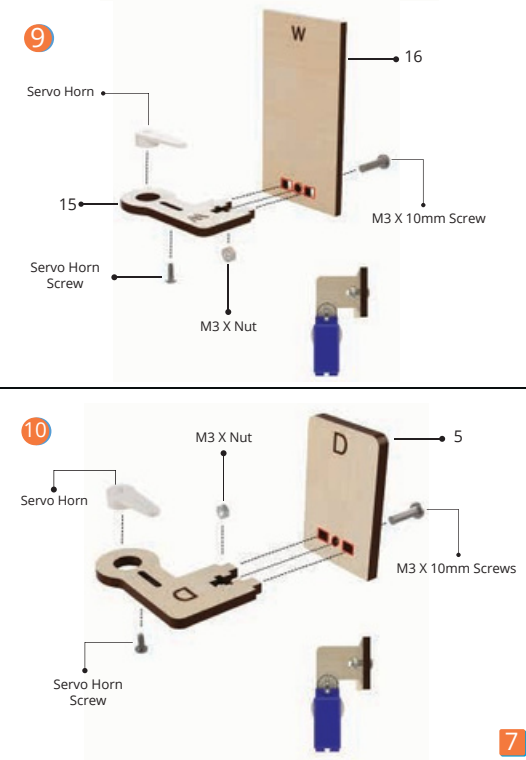
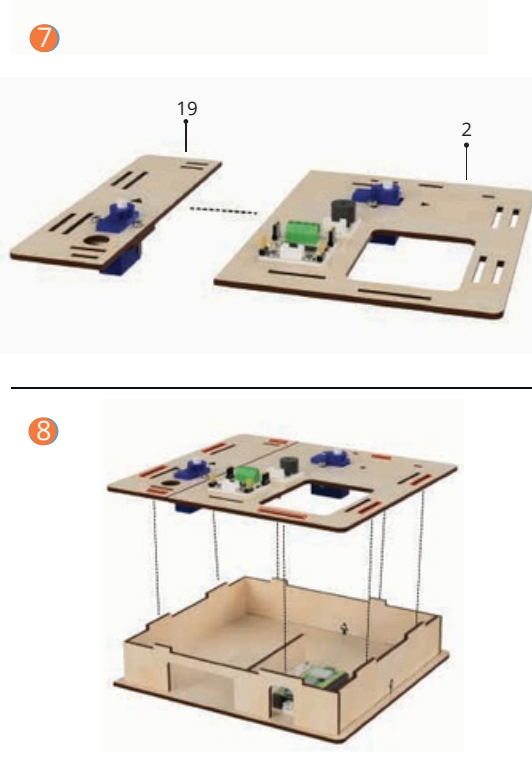
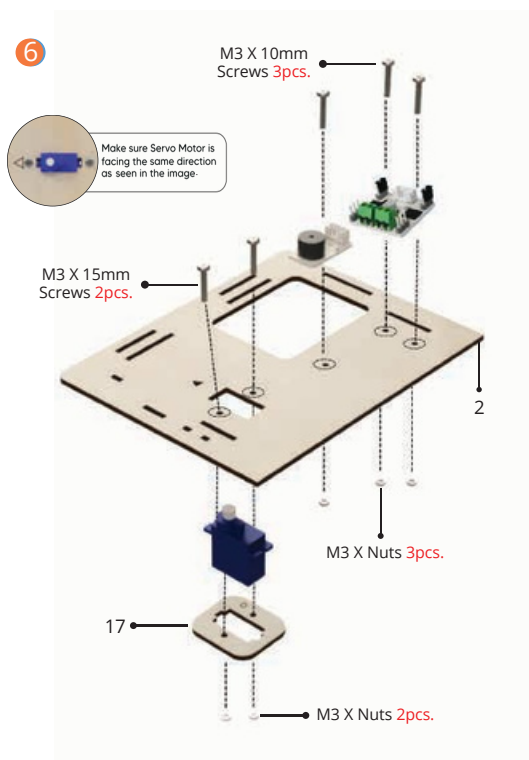
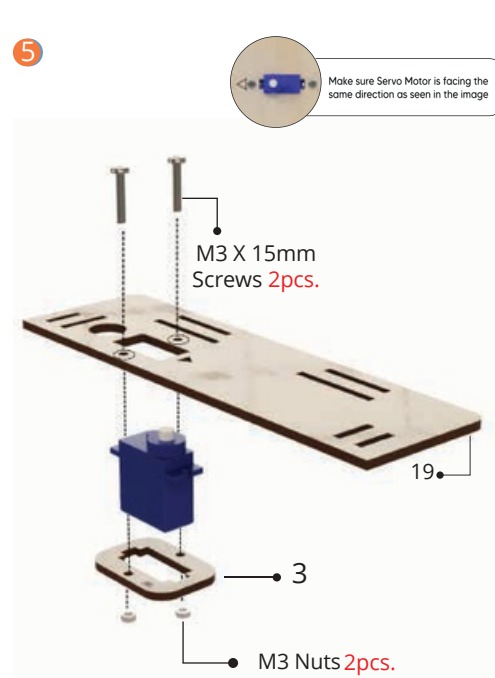
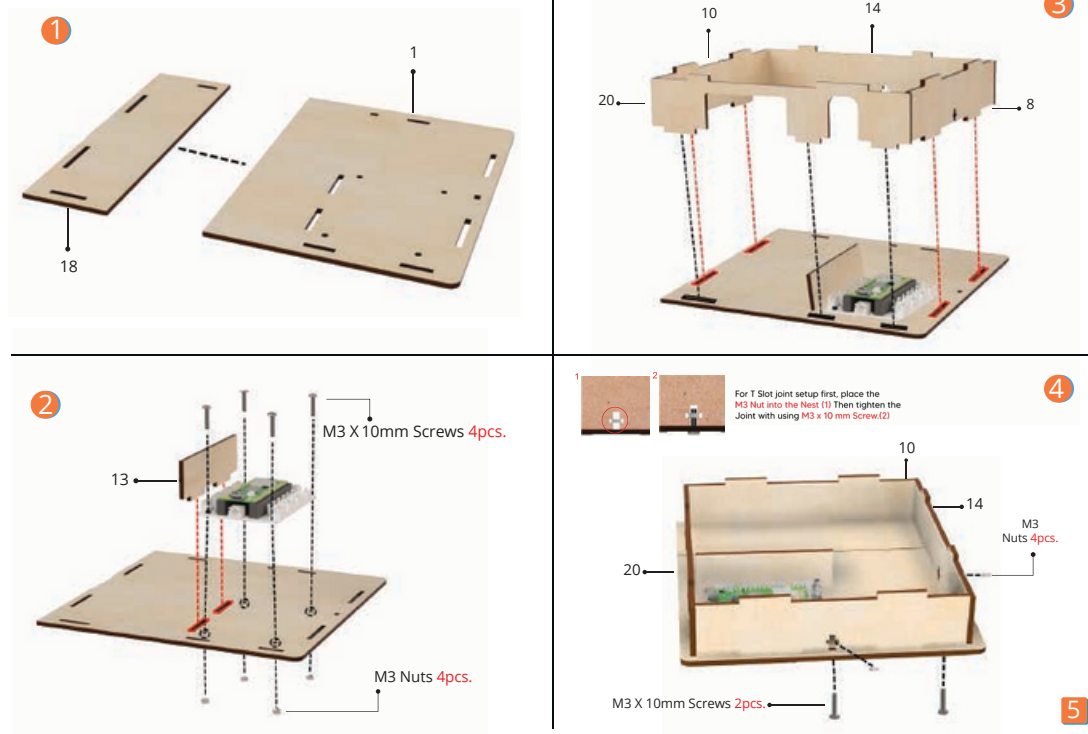


Servo Motor Calibration

- Before starting the assembly of your Smart Home, connect the 2 servo motors to the servo inputs on your control board. Pay attention to the cable orientations (Brown/Red/Orange). A detailed diagram is provided on page 14.
- Upload the "Calibration Code" located in the QR code below from your computer to your card. This code will automatically adjust all motors to the required settings.
- After uploading the code, the motors will move and then stop. They are now all locked at the required settings. Cut the power and disconnect the motors from the board.
- Servo motor calibration is completed. You can start assembly of the Smart Home step.



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Servo Horn Mounting Screws 2pcs.

12

Door Window

!!! Make sure the jumper is in the servo motor position.

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14

M3 X 10mm Screws

M3 Nuts

8

9

Setting Up The Circuit

Let's get to know the circuit elements of Smart Home that we completed the setup and make the circuit setup with PicoBricks bricks.

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17

Temp and Humidity Brick

11

REVERSE

M3 X 10mm Screws 3pcs.

18

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19

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Triple Battery Holder

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12

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CHECKLIST

If PicoBricks Smart Home Kit is not working properly after completing the installation, you can check the steps below.

- ☐ Are you sure that batteries are full?
- ☐ Did you insert the batteries by paying attention to their polarities?
- ☐ Did you correctly connect Raspberry Pico to the main board?
- ☐ Did you connect the servo motors to the pin specified in the code?
- ☐ Make sure that moving parts are correctly attached to the servo motors use the servo horn mounting screw while attaching the that has servo horns on them.

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By scanning the QR code, you can access sample code for the project, STEM activity examples, and educational content. The Smart Home Kit Book includes the Picobricks IDE, MicroBlocks, Thonny and Arduino code. Necessary for the project as well as computing and unplugged STEM activities for educators.

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