

STEM Plug and Play Bluetooth 5.0 Speaker Kit with Wooden Enclosure and 2 x 5W Amp Board Build Manual

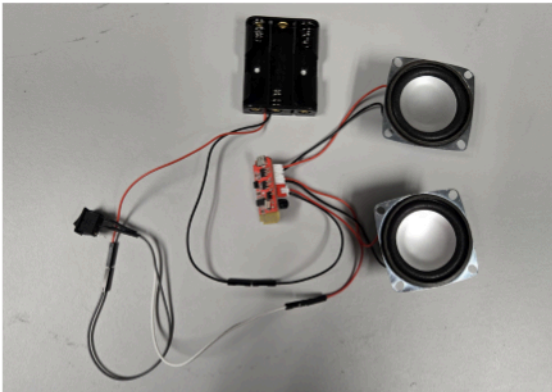


Thank you for purchasing Parts Express Mini Bluetooth Speaker Kit.

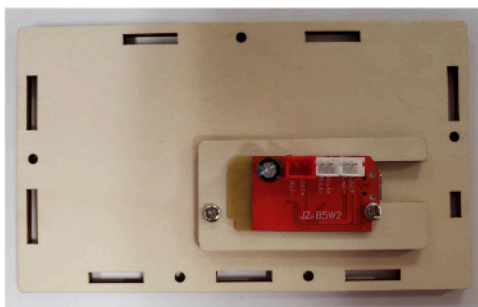
Please read the whole instruction manual before you start putting it together. The kit is designed for three AA batteries (sold separately). If you prefer not to use batteries, you can use a Micro USB to USB-A cable (sold separately) to power it from any USB 5 VDC powered port or adapter. The Micro USB plug will fit through the side hole in the kit and plug directly into the amp board, but you'll need to install it before you attach the bottom panel. You may have to make some adjustments to the bottom panel wooden spacer depending on the molding around Micro USB plug.

Note: Remove the batteries when using USB power, or remove the battery holder. The power switch is bypassed when using USB power. Unplug the USB cable from the power source to turn the board off.

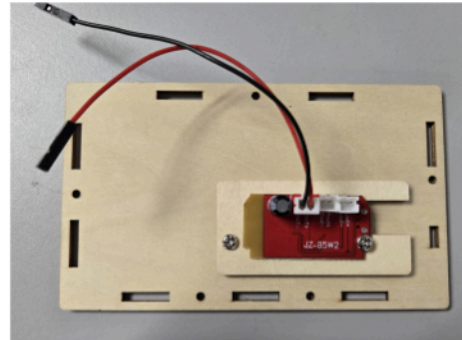
Select JZ-B5W2 when searching in your Bluetooth device to pair with the speaker's amplifier board. Hook everything up to verify operation before building the kit. Handle the speaker wires attached to the speakers carefully since the wires are small compared to the weight of the speakers.



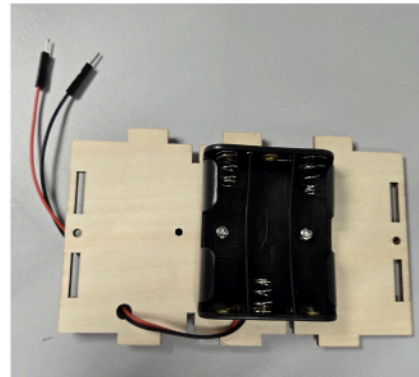
Step 1. Install the amp board spacer to the bottom wood panel with a M3 x 6mm screw like the picture below. Notice that the three slots on the panel are on the bottom and the spacer's open end is on the right. Install the amp board onto the spacer with a M3 x 6mm screw. If the amp board doesn't fit properly flip the large panel over. Make sure you do not over tighten or uninstall these screws. This helps the wood maintain it's grip quality.



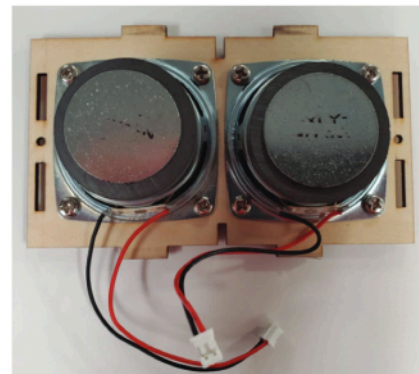
Step 2. Insert the white plug with open red and black wires into the red socket on the amp board.



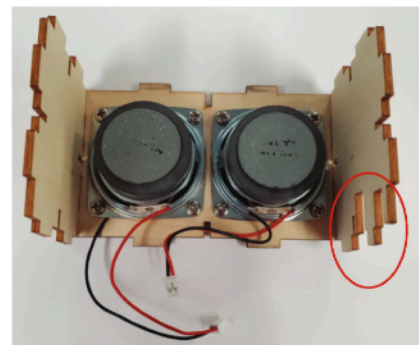
Step 3. Install the battery holder to the back of the wood panel with two M3 x 6mm screws. Make sure the wires coming out of the battery holder are on the same side as the hole for the wires and insert them into the wood panel.



Step 4. Install the two speakers with the eight M4 x 5mm screws to the front wood panel from the rear of the panel. Make sure you do not over tighten or uninstall these screws. This helps the wood maintain it's grip quality.

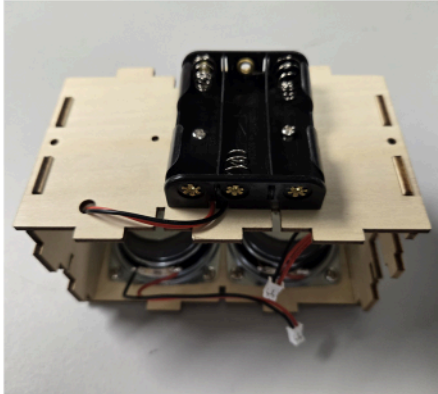


Step 5. Push the side wood panels into the front panel and make sure the circled holes are in the bottom position. If the notches are not lined up, rotate the side panel not circled.

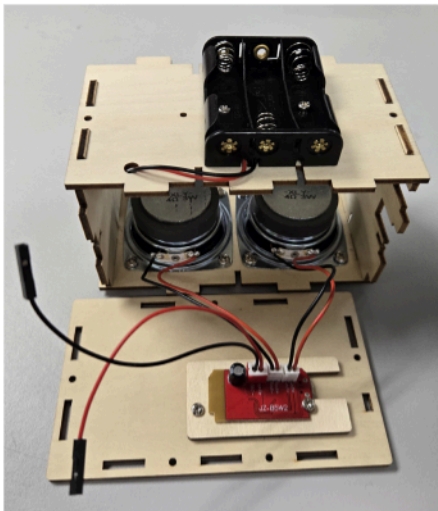


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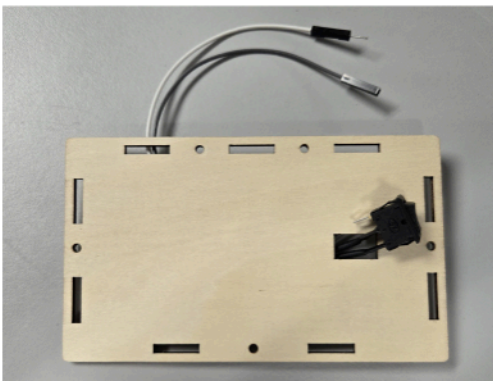
Step 6. Install the back battery holder panel into the two side panels making sure the notches line up. If needed, install two M3 x 10mm screws into each side panel from the front and back panels to make it more stable.



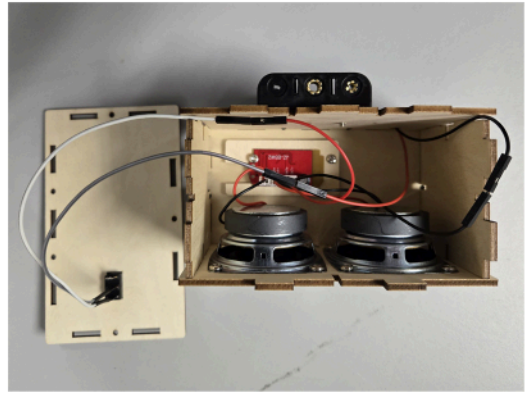
Step 7. Plug the left and right speaker wires into the two white sockets on the amp board. Install the bottom panel into the side, front and rear panels by lining up the notches in each panel.



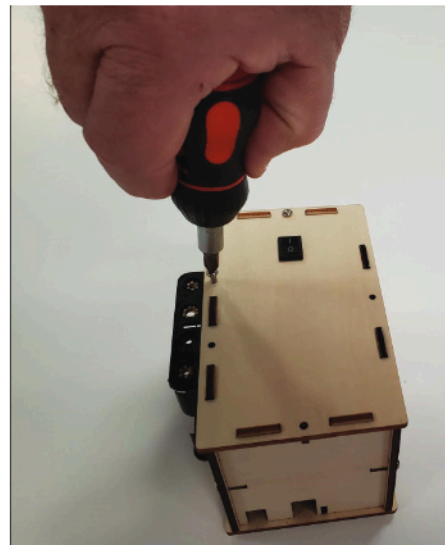
Step 8. Carefully snap the switch into the top wood panel with wires going in first. The switch must be on the right side with the three slots on the top.



Step 9. Plug the white and gray wires from the switch into the red wire from the battery holder and the amp board. Plug the black wire from the battery holder into the loose black wire from the amp board.



Step 10. Make sure all the slots in the wood panels are installed all the way into the matching wood panels. Use the 14 M3 x 10mm screws to secure the wood panels together. Five screws on the top and on the bottom, and two screws for the front and back panel.



Step 11. Install three AA batteries (sold separately) being careful to match the + and – signs on the batteries to the + and – sign in the battery holder. Turn the speaker on. You'll hear a loud beep and the internal blue light will flash from the amp board. Go to the Bluetooth settings on your Bluetooth device/smartphone and start searching for devices. Select JZ-B5W2 when it pops up and you'll hear another loud beep. The blue light will stop flashing signaling that pairing was successful. Go to a Music App and enjoy your new Bluetooth portable speaker.

Other optional accessories to add to your kit:

Micro USB cable - make sure the batteries are removed when using it and the power switch becomes disabled.

Rubber feet – this prevents vibrations when the speaker kit is sitting on a hard surface.