

STEM PROJECTS KITS



WHAT YOU NEED

Learn about the basics of Bluetooth technology, which is different from all other wireless technologies. This Bluetooth-based speaker kit contains the basic parts and tools required to assemble a working speaker system.

LET'S GET STARTED

Bluetooth is a wireless technology that uses short-range radio waves to transfer data between electronic devices. It is used in mobile phones, headphones, and other electronic devices. In this project, you will learn how to assemble a simple Bluetooth speaker system.

WHAT'S IN THE KIT?

- Speaker box
- Bluetooth receiver module
- Speaker wires
- Speaker
- Battery
- USB cable
- Microphone
- Power adapter
- Bluetooth receiver module
- Speaker
- Battery
- USB cable
- Microphone
- Power adapter

GET STARTED



STEP 1

- Insert the speaker module into the bottom panel of the speaker box. Then, connect the speaker wires to the speaker module.
- Insert the battery into the top panel of the speaker box. Then, connect the power adapter to the battery.

STEP 2

- Insert the microphone module into the top panel of the speaker box. Then, connect the microphone wires to the microphone module.
- Insert the Bluetooth receiver module into the top panel of the speaker box. Then, connect the speaker wires to the Bluetooth receiver module.



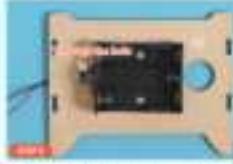
STEP 3

- Plug the USB cable into the top panel of the speaker box. Then, connect the USB cable to a computer or a mobile device.



STEP 4

- Insert the Bluetooth receiver module into the top panel of the speaker box. Then, connect the speaker wires to the Bluetooth receiver module.



STEP 5

- Place the speaker box on a flat surface. Then, turn it on by pressing the power button.



STEP 6

- Press the play button on the top panel of the speaker box. Then, turn on the microphone module.



STEP 7

- Play a song from your phone or tablet. Then, turn on the microphone module. You can hear the sound through the speaker box.



STEP 8

- Play a song from your phone or tablet. Then, turn on the microphone module. You can hear the sound through the speaker box.



STEP 9

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 10

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 11

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 12

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 13

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 14

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 15

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 16

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 17

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



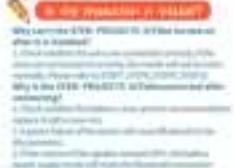
STEP 18

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 19

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 20

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 21

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 22

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 23

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 24

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 25

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



STEP 26

- Turn off the power button on the top panel of the speaker box. Then, disconnect the speaker wires from the Bluetooth receiver module.



FCC Caution

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



RF warning for Portable device

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.