

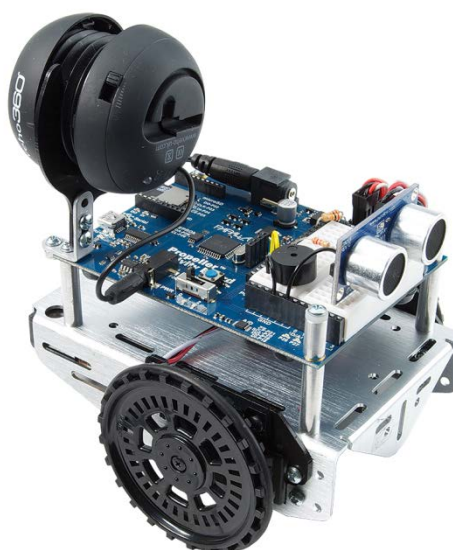
ActivityBot Speaker Mount (#725-32905)

This kit provides a convenient means to mount a veho360 speaker to the ActivityBot robot's chassis, conveniently near the Activity Board's audio jack. Along with a veho360 speaker (sold separately) it's a key accessory to equip your robot to play tunes, make sound effects, or report sensor data from audio files stored on its microSD card.

ActivityBot Speaker Mount Kit Parts



Kit and veho360 speaker on an ActivityBot



Bill of Materials

Part #	Quantity	Description
720-00011	1	Universal L Bracket, aluminum
700-00024	1	Lock-nut, #4-40
700-00028	4	Screw, #4-40, pan-head, 1/4"
721-00060	1	ActivityBot veho360 speaker bracket

Additional Items Required

- Built and tested ActivityBot robot (#32500)
- veho360 speaker (#900-00018)
- Parallax Screwdriver (included in the ActivityBot kit) or #1 Phillips screwdriver
- Parallax Combination Wrench (included in the ActivityBot kit) or similar

Assembly Instructions

STEP 1

Insert two screws through the longer arm of the aluminum L bracket, and align speaker bracket holes with the screws, as shown at right.

Notice the U-shape goes to the right. You can put one screw in the top hole and one in the slot (as shown), or put both in the slot. The choice is yours.



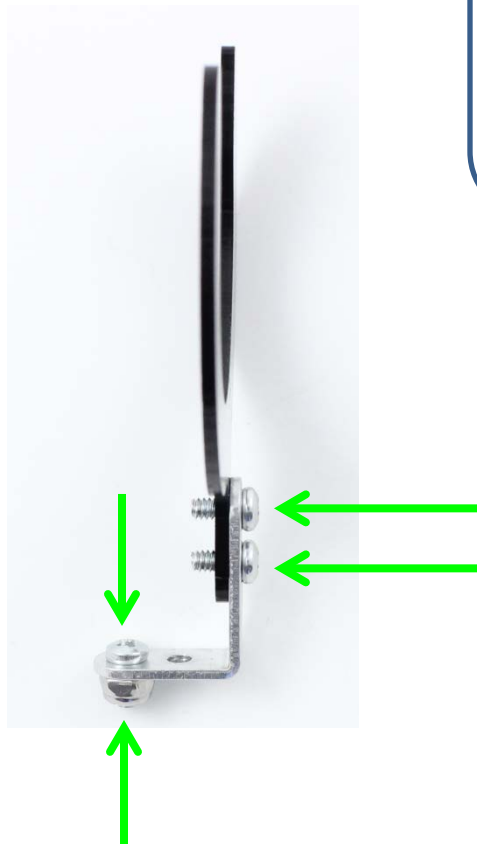
STEP 2

With the screwdriver, drive the screws into the holes in the speaker bracket. It is made of Delrin, so the screws will self-tap and stay firmly in place without needing nuts.

STEP 3

Insert a screw through the outer hole in the shorter arm of the L bracket.

Drive the screw into the lock-nut, using the wrench to hold the nut securely.

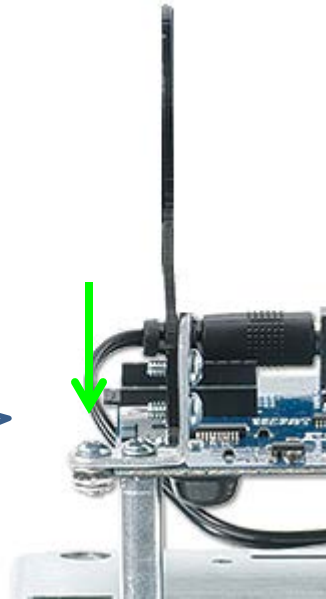


STEP 4

Remove the screw from the bottom left corner of the Activity Board, the one closest to the headphone jack.

Place the L bracket on the board so the nut is hanging off, towards the back of the robot.

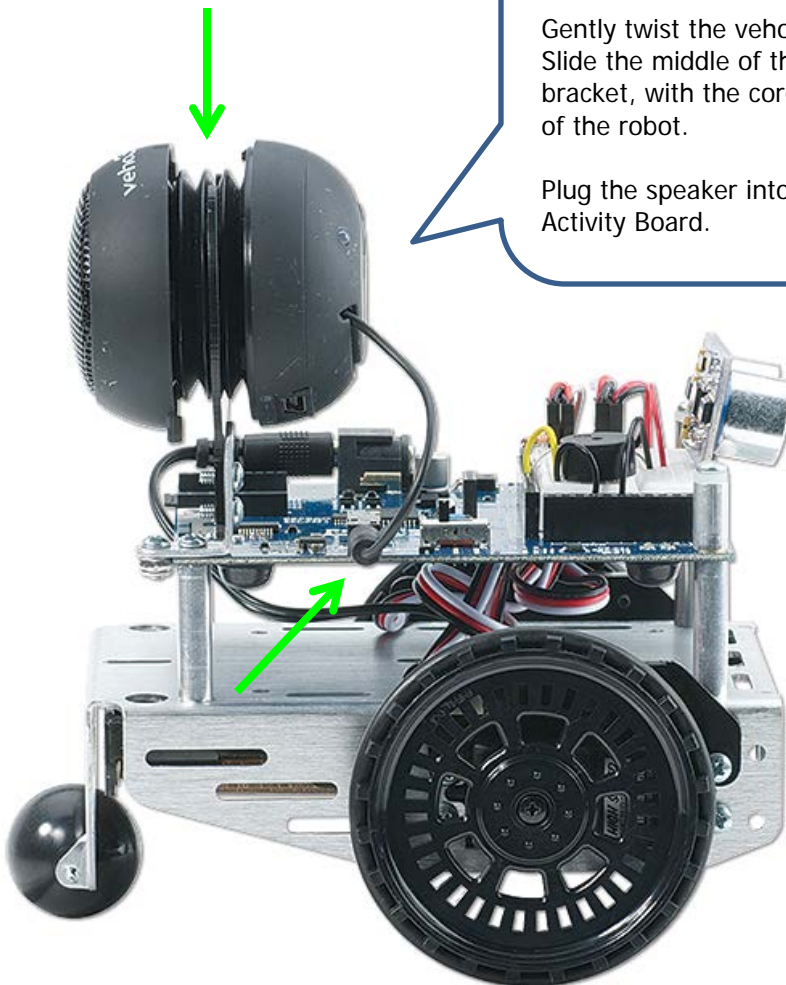
Thread a screw through the L bracket, through the board, and into the standoff below.



STEP 5

Gently twist the veho360 speaker to open it. Slide the middle of the speaker over the speaker bracket, with the cord facing towards the front of the robot.

Plug the speaker into the audio jack on the Activity Board.



Resources and Downloads

Check for the latest version of this document and example programs from the ActivityBot Speaker Mount product page. Go to www.parallax.com and search 725-32905.

Revision History

Version 1.0 – original release.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Parallax:

725-32905