

Speaker bit datasheet



The speaker is an output bit that can play a range of sounds.

There are several pre-programmed sounds the speaker can play.

You can also code the speaker to play musical notes or specific frequencies. You can customise the volume and duration of both musical notes and frequencies.

Use in ports	Stencil guide	Bit type	Block category
0 - 7	①	Output	Sound

Programming blocks

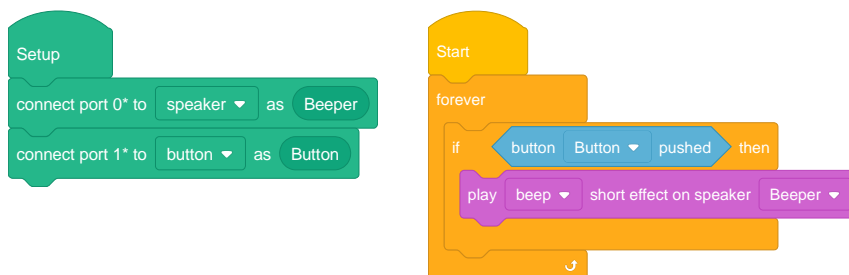
play beep short effect on speaker Beeper

play a 5th octave C quarter note on speaker

play a 1000 Hz tone for 500 ms at volume 5 on speaker

Example program

This sample program will make the speaker bit beep continuously when the button is pressed.



In the real world

Speakers like the one in the speaker bit are used in real life inventions to alert people that something has happened. Some real-world examples are the speaker that makes the beep sound when the fridge door is left open or when the microwave oven has finished heating food.

When used like this, inventions communicate to us that something has happened, and we need to take action. The advantage of using a speaker is that, unlike a display or LED light, the user can be doing something else and doesn't need to be watching the invention to know that they need to take action.

