

Computational Tinkering Robot Dance Party

Step 1 - Set Up

You will need to use the [Firefox ESR web browser](#) for this extension to work

Download and install the [Scratch Extensions Browser Plugin](#) for "other web browsers"

**There is an issue with the Chrome version of the Scratch Extensions Browser Plugin that is preventing the Arduino extension from working properly in the Chrome web browser*

Step 2 - Upload the StandardFirmata on an Arduino

<https://khanning.github.io/scratch-arduino-extension/gettingstarted.html>

Step 3 - Load the Extensions

Load scratchx arduino extension

http://scratchx.org/?url=http://khanning.github.io/scratch-arduino-extension/arduino_extension.js

Spotify Extension - you can load it by clicking the "load experimental extension" button, then paste in this url: <https://ericrosenbaum.github.io/spotify-extension/extension.js>

Step 4 - Some Examples

Arduino Examples by Kreg Hanning

[Blink an LED](#)

Make an LED blink on and off

[Fade an LED](#)

Fade an LED brightness

[Swing a Servo](#)

Swinging a servo motor back and forth

Spotify Examples by Eric Rosenbaum

[Dance Party](#)

This simple example shows how to make sprites dance to the music, by changing to the next costume on every beat of the song.

[Beat Stepper](#)

Press the space key to trigger the next beat of the song, and make the dancer move.

["Uptown Funk" Remix](#)

Remix Uptown Funk by pressing the arrow keys and space. Don't believe me? Just watch!