

NEIL SQUIRE SOCIETY'S



Makers

Making Change

GameStik Setup Guide

Version 1.0

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Required Software:

- GameStik firmware

https://github.com/makersmakingchange/GameStik/blob/master/Software/GameStik_Firmware/GameStik_Firmware.ino

- The Joystick library needs to be installed before uploading Joystick firmware from following link:

<https://github.com/MHeironimus/ArduinoJoystickLibrary>

Installation Instructions:

1. Download the GameStik firmware from following link:

https://github.com/makersmakingchange/GameStik/blob/master/Software/GameStik_Firmware/GameStik_Firmware.ino

2. Visit the **ArduinoJoystickLibrary** github repository using following link:

<https://github.com/MHeironimus/ArduinoJoystickLibrary>

3. Download the **ArduinoJoystickLibrary** by clicking on "**Clone or Download**" button and then selecting "**Download ZIP**" option.
4. Extract the "**ArduinoJoystickLibrary-master.zip**" file.
5. Copy the Joystick folder to the Arduino libraries folder.

An example of path to Arduino libraries folder in Windows: "**C:\Program Files (x86)\Arduino\libraries**".

6. Once the folder has been copied, the Joystick library should appear in the Arduino IDE list of libraries.
7. Open Arduino IDE and you should be able to see Joystick examples under "**File>Examples>Joystick**".
8. Now open the **GameStik_Firmware.ino** file using Arduino IDE.
9. Select the **Arduino/Genuino Micro** as the Board and then select the available port number under Tools option.
10. Click on upload button to upload the code.

Functions:

Function	Action	Time (Seconds)
Move Right on X-axis	Joystick (Right)	N/A
Move Down on Y-axis	Joystick (Down)	N/A
Move Left on X-axis	Joystick (Left)	N/A
Move Up on Y-axis	Joystick (Up)	N/A
Press Button Number 1	Puff	1
Press Button Number 2	Sip	1
Press Button Number 3	Puff	3
Press Button Number 4	Sip	3
Joystick drift reset	Puff	5