GAMESTIK

NEIL SQUIRE SOCIETY'S

Makers Making Change

GameStik Setup Guide

Version 1.1 (October 15,2018)

GAMESTIK

Table of Contents

NEIL SQUIRE SOCIETY'S

Makers
Making Change

GAMESTIK

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.

GAMESTIK

Functions (Computer):

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 5	Puff	1
Press Button Number 6	Sip	1
Press Button Number 7	Puff	3
Press Button Number 8	Sip	3

GAMESTIK

Functions (Xbox Adaptive Controller):

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
A	Puff	1
B	Sip	1
View	Puff	3
Menu	Sip	3

The Xbox Adaptive Controller comes with the option to configure and map buttons using three different controller mapping profiles. The profiles can be switched using the *"Profile"* button on the Xbox Adaptive Controller. The profiles can be edited based on the needs of the user.

Please follow the instructions below to access profile settings:

- Press the Xbox button to open the guide
- Select *"My games & apps > See all > Apps"* and choose *"Xbox Accessories"*
- Press *"A"* button or short puff
- Scroll over to the Xbox Adaptive Controller
- Select "*Configure*" option and then press "A" button or short puff to enter
- Select *"New profile"* and then press *"A"* button or short puff to enter
- Enter the name for the new profile
- Make the necessary changes
- Press *"B"* button or short sip when you are finished