LipSync Gaming: User Guide

Introduction

The LipSync Gaming emulates a gaming controller for PC gaming and the Xbox console. Users can move the LipSync mouthpiece up, down, left, and right; and use the sip-and-puff for other controller functions.

This adaptive gaming device is suitable for users with limited or no hand and finger dexterity. It can be paired with auxiliary controllers, like the Xbox Adaptive Controller, to suit a gamer's needs.

Device Compatibility

| Windows MacOS | Xbox (only with Xbox Adaptive Controller) | Xbox Adaptive Controller |

Powering the Xbox Adaptive Controller

Using the LipSync (and any external accessibility switch) with the Xbox Adaptive Controller will draw additional power. Plug the XAC to a power bank or use an AC adapter.
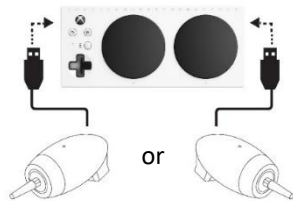

AC adapter

Power bank (>5000 mAh)

Connecting to the Xbox Adaptive Controller

Plug the LipSync USB into the USB port on either side of the Adaptive Controller. **The left and right USB ports have different gaming functions**. These can be remapped within Xbox settings. See *LipSync Wireless: Startup Guide* for remapping instructions.


or

Joystick Initialization

Perform the joystick initalization **everytime** before playing a game by releasing the mouthpiece and hold both ▲ ▼ buttons on the back of the LipSync simultaneously for 1 second. If gaming functions start to drift, perform the same procedure as well.

Default Functions for Adaptive Controller

Action	Time (sec)	Mode 1 (left USB port) [1]	Mode 2 (left USB port) [2]	Mode 1 (right USB port) [1]	Mode 2 (right USB port) [2]
Up	-	Up	Up	Up	Up
Down	-	Down	Down	Down	Down
Left	-	Left	Left	Left	Left
Right	-	Right	Right	Right	Right
Puff	1	X1	X1	View	X1
Sip	1	X2	X2	Menu	X2
Puff	2	LS	N/A	RS	N/A
Sip	2	LB	N/A	RB	N/A
Puff	3	A	N/A	X	N/A
Sip	3	B	N/A	Y	N/A

[1] Press the ▼ button for 2 sec. for Mode 1. LED will blink red & green once.

[2] Press the ▲ button for 2 sec. for Mode 2. LED will blink red & green twice.
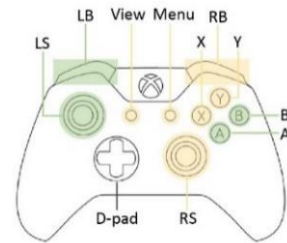
Connecting to the for PC

Plug the Lipsync USB directly into the PC's USB port.

Default Functions for PC

Action	Time (sec)	Mode 1 [1]	Mode 2 [2]
Up	N/A	Up	Up
Down	N/A	Down	Down
Left	N/A	Left	Left
Right	N/A	Right	Right
Puff	1	Button 1	Button 1
Sip	1	Button 2	Button 2
Puff	2	Button 3	N/A
Sip	2	Button 4	N/A
Puff	3	Button 5	N/A
Sip	3	Button 6	N/A

[1] Press the ▼ button for 2 sec. for Mode 1. LED will blink red & green once.

[2] Press the ▲ button for 2 sec. for Mode 2. LED will blink red & green twice.

Speed Control

Slowest   Default level   Fastest

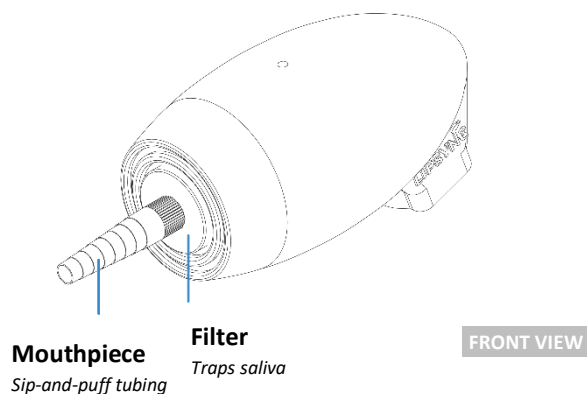| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |

Press the ▲ button to increase the speed.
Press the ▼ button to decrease the speed.

The LED will blink the speed level number. The previous speed setting will be saved the next time the LipSync is used.

Speed buttons
Adjusts cursor speed

BACK VIEW

Cleaning the Mouthpiece and Filter

Mouthpiece
Sip-and-puff tubing

Filter
Traps saliva

FRONT VIEW
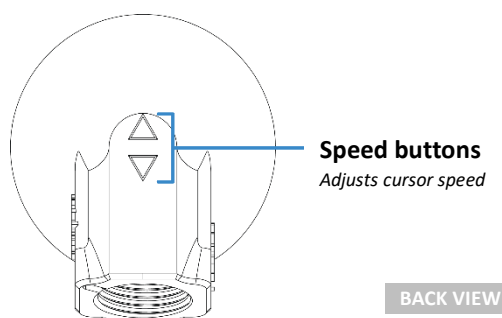
Each user should have their own set of mouthpiece and filter for hygienic reasons. These pieces are made of acrylic plastic and have a 3–6-month life cycle depending on the usage.

Follow these steps to clean the pieces during its life cycle:

1. With the LipSync facing you and wearing clean gloves, twist the mouthpiece and filter **counter clockwise** to remove them.

2. If the filter doesn't twist off or the filter stem is broken, use a hemostat or extra fine tip needle nose pliers to grip and carefully twist it off. See the *LipSync Gaming: Startup Guide* for in-depth instructions.
3. **To clean the mouthpiece**: mix 1 cup (250 mL) of water with 2 tsp (10 mL) of 5% bleach (sodium hypochlorite). Soak it for 10 minutes and let it air dry or wipe with clean cloth.
   To clean the filter: throw away used filters that have trapped saliva and use a clean piece.
4. Wearing clean gloves, twist the mouthpiece and filter **clockwise until finger tight. Do not overtighten.**

Cleaning the LipSync Shell

- ✓ Wipe with a non-abrasive cloth lightly dampen with water or cleaning alcohol
- ✗ Don't use abrasive cleaning materials
- ✗ Don't soak the LipSync shell in any cleaning solutions

Troubleshooting Cursor Issues

If users encounter drifting or inconsistent cursor movement, follow these steps in order:

1. Release the mouthpiece and press both ▲▼ speed buttons simultaneously for 1 second.
2. Unplug the LipSync USB from the power source (e.g. power bank or device), wait a few moments before plugging it back, and let the LipSync initialize.
3. Perform joystick calibration. See the last page on the *LipSync Gaming: Startup Guide* or watch the calibration tutorial on YouTube (https://tiny.cc/CalibrateLipSync).

If steps 1-3 doesn't resolve the cursor issue, contact your LipSync maker or go to the Makers Making Change Forum (https://forum.MakersMakingChange.com) for assistance.