




# LipSync Wireless: User Guide

## Introduction

The LipSync Wireless is a sip-and-puff joystick that allows a user with limited or no arm mobility to control their computer wirelessly via **Bluetooth®** technology. It emulates a computer mouse and can perform right click, scroll, and other mouse functions.

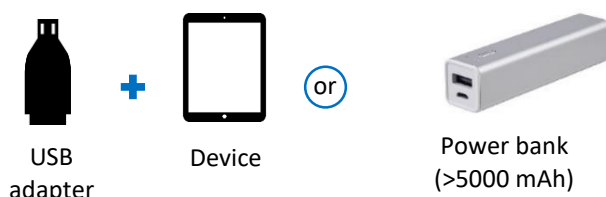
This assistive device is suitable for users with spinal cord injury, MS, ALS, and other disabilities that restrict arm movement.

## Device Compatibility

|   |   |   |
|---|---|---|
|  |  |  |
| <b>Phone</b>  | <b>Tablet</b>   | <b>Computer &amp; Laptop</b>  |
| Android 4.0+<br>iOS13+<br>Windows   | Android 4.0+<br>iPadOS+<br>Windows  | Windows<br>MacOS  |

## Powering the LipSync

The LipSync does not have an internal battery so it needs to be powered at all times with an external power source. Users can draw power off of the device (except on iOS devices) or use a power bank.



## Initialization

Each time the LipSync is connected to power allow 3 seconds for the device to initialize and set the home position. The LED light will flash 6 times, alternating between red and green. Wait until the LED stops flashing before moving the mouthpiece.



## Connecting Wirelessly to Computers, Laptops and Android & Windows Devices

1. Connect the **LipSync USB** to a **power source** (like a power bank)



2. Open your device's **Settings** > **Bluetooth** > Turn it on.
3. Tap on **LipSyncMouse** to connect.
4. A **Connected** message will show beside the device name when it successfully connects.

## Connecting Wirelessly to iOS Devices

1. Connect the **LipSync USB** to a **power source** (like a power bank)



2. Open your device's **Settings** > **Accessibility** > **Touch** > **AssistiveTouch** > Turn it on.
3. Turn off **Always Show Menu**
4. Open your device's **Settings** > **Bluetooth** > Turn it on.
5. Tap on **LipSyncMouse** to connect.
6. A **Connected** message will show beside the device name when it successfully connects.

## Mobile or Tablet Functions

| FUNCTION                 | ACTION | ACTION TIME (SECONDS) |
|--------------------------|--------|-----------------------|
| Tap                      | Puff   | 1                     |
| Back button <sup>1</sup> | Sip    | 1                     |
| Drag <sup>2</sup>        | Puff   | 3                     |
| Scrolling <sup>3</sup>   | Sip    | 3                     |
| Cursor home reset        | Puff   | 5                     |
| Home button <sup>1</sup> | Sip    | 5                     |

<sup>1</sup> If the device uses on-screen icons, move the cursor over the icon to tap.

<sup>2</sup> The red LED will stay on at all times in this mode

<sup>3</sup> The green LED will stay on at all times in this mode

## Computer Functions

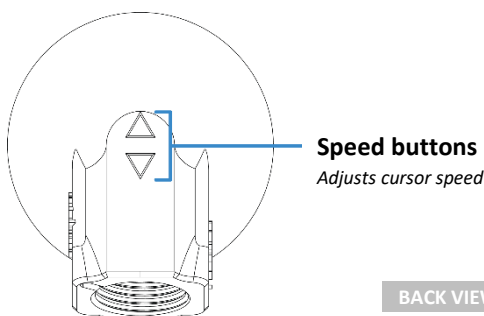
| FUNCTION            | ACTION | ACTION TIME (SECONDS) |
|---------------------|--------|-----------------------|
| Left click          | Puff   | 1                     |
| Right click         | Sip    | 1                     |
| Double-click        | Puff   | 1 each                |
| Drag                | Puff   | 3                     |
| Scrolling (↑ ↓)     | Sip    | 3                     |
| Cursor home reset   | Puff   | 5                     |
| Scrolling (↑ ↓ ← →) | Sip    | 5                     |

## Cursor Speed Control

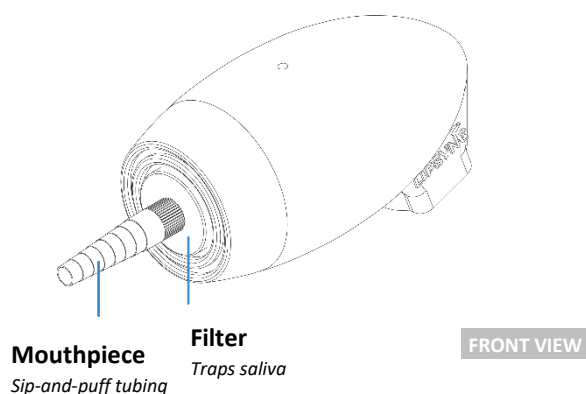


Press the ▲ button to increase the cursor speed.  
Press the ▼ button to decrease the cursor speed.

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



## Cleaning the Mouthpiece and Filter



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 Wireless: 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. Perform a 5 second puff for the cursor home reset.
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 Wireless: Startup Guide* or watch the calibration tutorial (<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.