



Sip/Puff Breeze™ with Headset

Getting Started and Installation Guide



Figure 1: Sip/Puff Breeze with Headset

Origin Instruments Sip/Puff solutions are ideal for people who have limited or no motor capability enabling them to operate switch activated devices, including computers, augmentative communication devices, adapted toys, environmental control systems and devices accessed or controlled via scanning.

The Sip/Puff Breeze with Headset package consists of:

- Breeze with inline filter
- Headset with attached mouth tube and 6-foot (1.8-meter) tube with pneumatic connector
- Three replacement mouth tubes with integral stainless steel forming wire
- Extra inline filter
- Documentation

The Headset consists of an adjustable and padded head frame that mounts over the ears and behind the neck, a mouth tube and a Headset tube for connecting to Breeze. The adjustable head frame can be personalized as desired for a loose or tight fit.

The pliable mouth tubes use a stainless steel forming wire to position them next to the mouth. Please note the forming wire must extend past the first bend in the headset's stainless steel tube in order to hold the mouth tube in place. The headset comes with four mouth tubes – one is attached and three extras are included in the package.

Breeze is an advanced USB sip/puff switch in an extremely compact package. It connects directly to standard USB ports on computers, laptops, and AAC devices and provides hardware emulation of mouse buttons or joystick functions.



Figure 2: Breeze

The headset tube is attached to Breeze via the 6-foot tube and the inline filter using special pneumatic connectors. Simply slide the halves together and gently twist the lock nut. *The nut should not be over tightened.*

Cleaning and Replacements

Cleaning of the headset is easily accomplished by removing the mouth and headset tubes and washing them in dishwashing solution. Soap and water can also be used to clean the metal tube attached to the headset. As a follow-up to cleaning, sterilization of the metal and plastic tubing can be accomplished by flushing them with isopropyl alcohol. A can of compressed air can be used to flush the water and alcohol from the tube. ***Be sure to thoroughly dry the tubing before using.***

Breeze may be cleaned with a damp cloth, but it should never be soaked with any water or cleaning solution. Do not put or allow any kind of liquid into the short plastic tube attached directly to Breeze.

When a mouth tube wears out it is simply slipped off the stainless tube and replaced with a new one. To ease mouth tube installation isopropyl alcohol may be used to wet the mouth tube prior to slipping it onto the metal tube.

The inline filter should be replaced as needed.

Additional mouth tubes and filters are available from Origin Instruments (<http://shop.orin.com>)

Breeze DIP Switch Settings

Breeze integrates a compact four-position DIP Switch for user options. DIP Switch settings can be readily changed using one end of a paper clip. The factory default settings are all DIP Switches ON.

When viewing Breeze's DIP Switch rotated such that Breeze's USB connector extends to the left, any switches pushed up are ON and switches pushed down are OFF. After you modify DIP Switch settings, un-plug and re-plug Breeze to enable the new settings.

Switch 1	Switch 2	Function
ON	ON	Two Button Mouse
OFF	ON	Joystick
ON	OFF	Three Button Mouse
OFF	OFF	Reserved

Switch 3	Function
ON	Sip is Left Click (or Joystick Button 1)
OFF	Puff is Left Click (or Joystick Button 1)

Switch 4	Function
ON	Standard Sensitivity (3" Water Column)
OFF	High Sensitivity (2" Water Column with extra hysteresis)

Customer Support:

Origin Instruments provides world-class technical support. Our customer support services are staffed by highly qualified technical personnel ready to solve any installation, usage or operational issue that you may encounter.

Support is provided by Origin Instruments during the hours of 8:30 a.m. to 5:30 p.m. Central Standard Time, Monday through Friday. For product support, please call (972) 606-8740 or email support@orin.com.

Related Origin Instruments Products

- Multi-User Sip/Puff Switch - Multi-user version of Sip/Puff Switch designed for use with special, disposable mouthpieces. Perfect for assessment centers, healthcare facilities, hospitals, etc.
- HeadMouse® Extreme – Wireless head-pointing computer mouse emulation
- SofType™ – Onscreen keyboard for Microsoft Windows
- Dragger™ – Mouse click utility for Microsoft Windows
- KeyStrokes™ – Onscreen keyboard for Mac OS
- SwitchXS™ – Switch scanning software for Mac OS
- Swifty™ – USB switch interface for wired and wireless connections
- Beam™ – Wireless switch transmitter



ELECTROMAGNETIC INTERFERENCE CONSIDERATIONS

Products bearing the CE marking have been tested and are declared by Origin Instruments Corporation of 854 Greenview Drive, Grand Prairie, Texas 75050, USA to be in conformity with the following standards or other normative documents and following the provisions of the Electromagnetic Compatibility Directive, 89/336/EEC:

- EN 55022 Class B Emissions (Radiated Emission)
- EN 61000-4-2, Electrostatic Discharge Immunity
- EN 61000-4-3, Radiated Immunity
- EN 61000-4-4, Fast Transient

Origin Instruments Corporation has tested the Breeze and found that it complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

If this product is suspected of causing interference to a radio or television receiver, remove and apply power to the equipment and determine whether it is the cause of the disturbance. If a problem exists, the user is encouraged to try and correct the problem by one of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver.
3. Reorient the equipment cables.
4. Consult the dealer or Origin Instruments for additional suggestions.

Origin Instruments is not responsible for any problems caused by unauthorized modification of this equipment. Information in this document is subject to change without notice and does not represent a commitment on the part of Origin Instruments Corporation.

APPLICATION DISCLAIMER

Breeze is designed to provide excellent performance in most environments. However, it should not be used in an application where personal injury or property loss could occur if the product fails. **Origin Instruments products are *not* authorized for use as surgical aids or as part of a system intended to support or sustain life.** The user assumes full responsibility for determining the suitability of Breeze for the intended application. **Origin Instruments will not be responsible for direct or consequential damages associated with any use of Breeze.**



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