





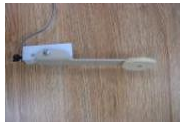




















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NOTE: This spreadsheet is designed to serve as a general resource. Assistive Technology Partners has no relationship with manufacturers or vendors of switches or switch devices. Neither does the spreadsheet serve to endorse any products. This spreadsheet is updated periodically by ATP faculty. Opinions expressed are based on clinician experience in a clinical setting. For a key to the headings, scroll to the bottom of the document.									
Airlink Cordless EnableMart / Infogrip		Designed to work with the PowerLink Control unit. The user with a physical disability is able to activate electrically operated appliances and toys with this cordless switch.	Not for wireless use with switch toys. Angle of base or wall adapter can be helpful.	M	NL	C	WU	\$109.00	YES
ASL Button Switch		This momentary switch has an activation button the size of a dime and requires medium force for activation.		M	NL	C	1/8M	\$180.00	NO
Bass Don Johnston		Rectangular, low profile switch, durable with a non-skid bottom. Dimensions: 6"x3.5"x1".	Must hit front of switch to activate. Can rest on it without activating.	M	3.5 oz.	C	1/8M	\$48.00	YES
Big Mack Communicator AbleNet / EnableMart		A 5-inch brightly-colored communication button that easily records up to 75 seconds of natural speech and is activated like a switch and can act as a switch.		M	NL	C	1/8M	\$115.00	YES
Big Red Infogrip		Large button switch has a 5-inch diameter for people with large rather than refined movements. It activates no matter where it is pressed and has a 6-foot cord. Also comes in cordless for \$93.99.	Durable, multi-use switch. Good for kids.	M	NL	C	1/8M	\$41.99	YES
Button click switch Enabling Devices		2 1/2 X 2 1/2 inch switch.	Sensitive. Can hit anywhere. Has to be velcroed to mount. High contrast between base and switch.	ML	1.5 oz. (40 g)	C	1/8M	\$31.95	YES






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Chin ???		With hardware to mount to the user's chest. This switch can also be mounted to an AbleNet Universal Mount		M			1/8M		YES
Cup Tash/Ablenet		Has the same surface area as the cap switch, but is more durable since the switch is encased in a plastic cup. comes with colored stickers and velcro for easy mounting. Diameter: 4.5cm (1.8"); Height: 1.5cm (0.6"); Travel Before Activation: 2mm (0.1") Also comes in Mini. (1")	Can be good for decreasing accidental activation because requires greater force to activate.	M	9 oz. (250 g)	C	1/8M	\$69.95	YES
Ellipse 3 (No longer in production)		Low profile, smaller surface than the Ellipse 6 (2.5"x4"x.5"), press anywhere, pressure sensitive switch.	Auditory feedback with click is minimal.	ML	1-3 Oz. (28-85 g)	C	1/8M	\$67.50	YES
Ellipse 6 Don Johnston/Abledata		Low profile, large surface (4"x6"x.5"), press anywhere, pressure sensitive switch. A click lets the person know they have activated the switch.	Auditory feedback with click is minimal.	M	5 oz.	C	1/8M	\$35.00	YES
Fiber Optic Eye Blink Switch - AMDI		This switch works best when eye-blinking is the only movement the user is able to perform. The sensor is capable of discriminating between random eye-blinks and purposeful controlled eye-blinks. A head strap is included and the device can also be used with other body parts in fiber-optic mode. Sensing range of 1/4 in. Size of 3/4 L x 1/4 Diameter in.		PR	N/A	A	1/8M	\$645.00	YES
Flex Switch Ablenet		Activated by bending the black rubber tip in any direction- up, down, forward, and backward! Attached tubing is bent to facilitate positioning.	Requires a fair amount of displacement and pressure. Requires hardware for mounting. Mounting may be a challenge. Probably works better for bigger body parts or excessive movement.	M	NL			\$182.00	YES






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Flexible switch Adaptation		Adhesive-backed, pressure activated switches. These switches are flexible which allows them to be attached to various objects and surfaces, essentially turning those objects into the switch itself. Set: 1-2"x4" and 1-3"x5". The minimum bending radius of the Flexible Switch is 1.5". The Flexible Switch cannot be trimmed or cut in any way. The Flexible Switch is not designed to be used with adapted toys.		EM	2 oz. (56 g)	None	1/8M	\$49.00	YES
Finger Button 30 Qedonline.co.uk		Durable finger mounted switch. 9mm diameter.		ML	2.5 oz. (75 g)	C	1/8M	\$130.00	NO
Gooshey Switch Enabling Devices		Durable, soft, sparkly pillow and converted it into three new switches: Gooshy Switch, a Gooshy Switch with Vibration and a Gooshy Switch with Lights, Vibration, and Music. The Lights, Vibration and Music Switch has a special control which allows the user to select any or all of the rewards. It can be used alone as a sensory toy. PLEASE NOTE: Pad color may vary.	Good switch for kids, especially with sensory deficits. Can be like a toy in itself, which can distract from its purpose as a switch.	M	NL	C	1/8M	\$55.95 \$66.95 \$82.95	YES
Grasp Switch		Activate this tube-shaped switch with a squeeze or pinch. User must be able to release the grip in approximately 2 seconds to prevent switch latching.	Activation is unpredictable. Grip pops off if squeezed too hard. Replacing the grip can change activation based on how much air is trapped within the grip.	PN	NL		1/8M	\$143.00	YES
Grip and Puff Switch Enabling Devices		Dual function switch. Pneumatic switch activated by slightly squeezing the vinyl grip. Can be used with our Grip Kit. You can remove the Grip and use it as a Puff Switch, too.	Handles come in a variety of sizes. May need jack adapter. Requires fair amount of pressure to activate. May work well for someone with gross grasp.	PN	NL	None	1/4M	\$62.95	YES






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Head switch Enabling Devices		2" in diameter and attached to a clamp mount for easy access by a user with limited motor function.	Stout, durable switch. High profile. Mount purchased separately.	M	NL	C	1/8M	\$37.95	YES
Impulse Ablenet		Impulse is an EMG (Electromyography) sensing electrode that senses tiny muscle contractions. It detects and wirelessly transmits the EMG signal to a computer using Bluetooth wireless technology. (A Bluetooth receiver is included.) Impulse's software then processes the activity as a traditional switch "click". Pairing the Impulse with popular accessibility programs such as EZ-Keys allows users to fully control their computer with the smallest of muscle activity.	Must purchase electrode pads to operate. Their cost is 99.00 for a 20 pack.	EC	N/A	A	WB	\$995.00	NO





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Infrared sound touch (IST) Words-Plus		<p>Using sensors, the IST Switch provides positive, consistent action with all body movements and features a convenient sensitivity adjustment that lets you set the switch for the body site to be used. The Touch Sensor uses a small metal button to detect skin contact. The slightest touch using any part of the body can be detected, so no force is required to activate the switch. The Infrared Sensor operates by emitting a very low-powered infrared beam. When a surface in front of the beam reflects enough of the light back to the receiver, the IST closes a relay, which acts as a switch. The surface of virtually any body site can activate the switch by coming close to the sensor or by coming into the field of view of the sensor from the side, thereby reflecting more light. The switch also responds to the difference in reflection between the open eyelid and the closed eyelid or between the white of the eye and the iris. This enables users who cannot blink to use the IST as an eye-movement switch. The Sound Sensor uses a miniature microphone to detect sounds ranging from a loud voice to slightly sharp breaths from the mouth or nose. Voice sounds are detected with a microphone sensor supported against the user's neck or positioned in front of the mouth. When used as a breath switch, the sensor is positioned in front of the nose or mouth. The sensitivity is fully adjustable to filter out normal breathing noises, background room noises, or someone speaking nearby.</p>	<p>All sensors activate inconsistently. Must use interface to use switch to operate device.</p>	EM/PH	N/A		1/8M	395.00 or 125.00 ea.	YES





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Jelly Beamer EnableMart		The Jelly Beamer wireless switch has just two components: the Jelly Beamer switch that houses a transmitter, and the Jelly Beamer receiver that can be plugged into any switch-adapted device, from battery operated toys and electric appliances to your classroom's digital camera or computer. Each switch is uniquely paired with its receiver, allowing multiple students to use their own Jelly Beamers at the same time, from as far away as 30-feet, without interfering with one another.	Good for classroom use. Radio frequency so can be used from room to room. Uses one transmitter to one receiver at a time.	ML	2 oz. (56 g)	C	1/8M	\$155.00	YES
Jelly Bean Don Johnston/Abledata		A durable, brightly colored switch with 2 1/2 inch target area; use on flat surface or easy to mount. 2 oz. of pressure required.	Durable, multi-use switch.	ML	2 oz. (56 g)	C	1/8M	\$55.00	YES
Joggle switch Infogrip		TRAXSYS' Joggle Switch allows you to increase or decrease the force required to activate it. It measures 5". Joggle Switch has 15 different settings. Rotate the top to increase or decrease the force required for activation. Position 1 requires 6.5oz/200gms and position 15 requires 52oz/1500gms for activation. Joggle Switch is ideal for assessment centers, schools or clinicians who see a number of different clients. It gives you the option to set the perfect operating force for your client.	Good for evaluation purposes. Adjusts in discrete increments.	ML	6.5-52 oz.	C	1/8M	\$59.00	YES
Leaf Switch		Activated by pressing lightly against the leaf in one direction. Comes with a removable 3" round foam pad.	Soft click. Minimal pressure to activate. Minimal displacement. Activates in only one direction. Needs hardware for mounting.	M	NL		1/8M	\$153.00	YES
LT switch No longer in production		This general-purpose plate switch is pressure sensitive and activated by a very light touch.		ML	.75 oz. (19 g)	C	1/8M	\$45.00	YES


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Medentech Wireless Sip and Puff									NO
Microlight Abledata		This mechanical switch can be activated with an extremely light touch by a finger, chin, or other body part. The switch has a mono port and can be used for computer access or for wheelchair control for all power chair types.	Very light touch. High profile compared to the need for a very light touch switch so can be difficult to mount in small spaces.	ML	.35 oz. (10 g)	C	1/8M	\$150.00	YES
Mini Lever Switch Enablemart		A lightweight solution with a pivoting lid that activates a highly sensitive microswitch mounted inside. Available in five colors. 1.6 x 1.5 x 0.7 in.		ML	1.4 oz. (30 g)	A	1/8M	\$77.00	NO
Mini Moon Assistivetech.net		A small and compact circular switch that measures only 2.75 inches across. It is easily activated with a light touch.	Light touch. Feels flimsy.	M	NL	C	1/8M	\$32.00	YES
Minimal Motion Bubbles Touch-Sensitive Switch Equal Access Computer Technology 39 Oneida Road Acton , MA 01720 Phone: 508-263-6437		Touch-sensitive switch that can also be set to be triggered when the hand or arm is brought close to the dome, without even touching it.		ML/PR	NL	None	1/8M	\$140.00	YES
P Switch (No longer in production)		Small controlled muscle movements operate the P-Switch. It has adjustable sensitivity levels, and is commonly used in the wrist or eyebrow area	No longer in production	EM	N/A	A	1/8M	N/A	YES

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Pal Pad Infogrip		Can be activated with the slightest touch whether it comes from directly above or at a shallow angle. Pal Pads are flat membrane switches approximately 1/10th of an inch thick yet are very rigid and durable. They are designed to be tolerant of rough usage. Mini measures 2" x 2", Small measures 2.5" x 4" and the Large measures 4.5" x 6", making it one of the largest adaptive switches available. Pal Pads come with a foam rubber backing to minimize slipping.	Low profile so you can slide your hand over it. Can rest hand on it lightly without activating it.	ML	1.2 oz. (35 g)	None	1/8M	30.00 33.00 35.00	YES
Penta Tash/Spectronics/Enable Mart		This multiple switch requires a small range of motion, light touch and targeting ability and is suitable for individuals with fine motor skills and good targeting ability. The five switches are small (8mm in diameter) and activated by pressing down on buttons. It is not meant for harsh or rugged environments. Comes with USB or 9 pin female connector. Diameter: 5cm (2"); Height: 1.3cm (0.5"); Travel Before Activation: 0.7mm (0.03"). Prices vary.	Specific to wheelchair (9 pin) or computer control (USB). To use with wheelchair may need converter box.	ML	4.2 oz.	A	9P (also USB)	190.00 249.00 269.00	ES (9 PIN)
Pillow Infogrip/Enablemart/Enab ling Devices/Clarity		Activated by pressing on the top foam surface. The smooth, soft surface makes this a good switch for head or cheek activation. A safety pin and Velcro(r) come on the bottom for easy fastening to a pillow or wheelchair cushion. It measures 3.25" x .75". Prices vary.	Minimal displacement.	M	NL	C/A	1/8M	83.00 109.00	YES
Plate switch (No longer in production)		This general-purpose plate switch is touch activated, comes with 5 color overlays, a 6-foot cord, and requires 3 oz of pressure to activate.	No longer in production	M	3 oz. (85 g)		1/8M	\$45.00	YES
Ribbon EnableMart/Ablenet		Activated by bending in either direction. The switch itself is soft to the touch for comfortable use by the hand, arm, or head. Waterproof. Prices vary.	Difficult to mount. Works when it is squeezed, giving another option for activation.	M	NL	None	1/8M	83.95 109.00	YES

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Rocker EnableMart		The switch on each side is activated by pressing down on any part of the surface.	No longer in production	M	NL	C	1/8M	\$137.00	NO
SCATIR EnableMart/Ablenet		The Self-Calibrating Auditory Tone Infrared Switch is a momentary-contact optical switch with auditory feedback designed for use by persons who experience difficulty activating mechanical switches. The movement of an eye blink, finger or eyebrow can activate it from a distance. Can purchase switch only or extra accessories.	Hard to adjust at times to achieve adequate activation.	EM	NL	A	1/8M	519.00 599.00	YES
Sensor switch Don Johnston		For people with minimal movements, the adjustable sensitivity detects the tiniest muscle movements. Sensors can be placed on the forehead, eyebrow, finger or any muscle.	Can be glitchy. Needs to be strapped securely to body part to work.	ML	N/A			\$295.00	YES
Sip and puff ???		Operates devices, appliances or equipment through the use of a switch activated by sipping or puffing on a tube. Two pieces of equipment can be controlled by the same switch (sip to activate one device, puff to control the other).	Mouth piece is flimsy and doesn't stay in place. Head band not designed well. Can do sip and puff separately.	PN	N/A		1/8M	\$70.00	YES
Specs EnableMart/Infogrip		Single switch measuring 1.375" that is activated by pressing anywhere on the top surface. It comes with three base options: standard flange base, a flush base for mounting with adhesives and a strap base for mounting around objects such as head rests. For ease of use, Spec Switch has been designed with auditory feedback. Made of ABS plastic Spec is very durable and can withstand high impact. Prices vary.	Reliable, durable, multiple colors, several mounting options.	M	NL	C	1/8M	49.00 51.00	YES

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String EnableMart		Ideal for people with extremely limited range of motion or minimal strength. All it takes is a slight pull to activate the switch.	Very low activation force. Mounting can be a challenge. Probably not real durable. Skin friendly. Audible click.	ML	.5 oz. (20 g)	C	1/8M	\$45.00	YES
Taction pad Abledata		Taction Pads are touch switches designed to adhere to any surface or object for individuals who have limited upper mobility or movement. These pads are clear, touch-sensitive plastic patches that have an adhesive back and are designed to activate any device that it is plugged into them simply by touching them. When the Taction Pad is plugged into one of Adaptation's assistive devices (see entries), the Taction Pad activates the device by touch (moisture) or by the use of conductive foam (sold separately). Taction Pads were designed to operate specifically with Adaptation's touch activated devices, and will not work with other assistive devices or adapted toys unless accompanied by the LinkSwitch (see entry). DIMENSIONS: Pads measure 2 x 4 inches, 0.1 x 24 inches or 3 x 5 inches.	To use only with Adaptation devices.	ML	N/A	None	1/8M	\$15.00	YES
TAS switch Michigan State University www.msu.edu/unit/artlan g		The TAS Switch is a touch switch designed to be activated by pressing any point on its surface for individuals with severe upper mobility disabilities. The momentary contact switch is not hinged and so its entire surface is sensitive. When pressed, the switch responds with both an auditory and tactile click so that users know contact has been made.	Good durable, all purpose switch. Can adjust displacement.	ML	1.5 oz. (40 g)	C	1/8M	\$50.00	YES
Thumb Enabling Devices		Grip the yellow cylindrical base in your hand and press the red button with your thumb for momentary switch operation.		M	NL		1/8M	\$23.95	YES

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Tip switch Novitatech/Ablenet		A mercury switch that is activated by tilting five degrees from horizontal position. Great for mounting on finger, hand, arm, headband or eyeglasses. Requires very small range of motion. Prices vary.	Has to be mounted horizontally. Very sensitive. Can attach to body and move with it. No feedback.	M	N/A	None	1/8M	129.00 139.00	YES
Twitch Switch Enabling Devices		The Twitch Switch is activated by small muscle movement, such as wrinkling the forehead. It can be easily adjusted to increase or decrease the amount of muscle movement needed to activate it. The Twitch Switch operates in three modes: latched, momentary and timed. Use the latched mode when operating a device that needs to remain on until the user wants to turn it off; the momentary mode when operating a toy or communication device; and the timed mode when operating a device that you want to stay on for a pre-set period of time (adjustable from 1 to 120 seconds). Set of 3 extra sensors now available separately.	Glitchy. Unreliable.	ML	N/A		1/8M	\$92.95	YES
Ultralight - Marblesoft		The Ultra Light switch is a very small (smaller than your thumb) switch that requires very little pressure and gives great tactile and audible feedback. It is easily mountable within reach of a finger, and its small size and low price let you mount several switches within easy reach of one or more fingers. Comes with 5 interchangeable color panels.	Listed as less activation force than Microlight, but feels like more. Can rest finger on top without activating, thus requiring minimal force to activate.	ML	.25 oz. (9 g)	C	1/8M	20.00 90.00 for 5 pack	Yes
Wireless Ultimate Enabling Devices		Requires only ten grams of force to activate, yet it is very durable. Since it is wireless, it can be mounted to a wheelchair so the user can activate the device from anywhere in the room. Comes with switch only or a variety of goosenecks and clamps.	Amount of wobble can be a problem since it will activate and deactivate simultaneously, unless it can be held in place.	ML	.35 oz. (10 g)	C	1/8M	65.95 switch only	YES

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Wobble Enabling Devices		Easily activated with a swiping action. It comes with a clamp and 19" gooseneck for easy mounting on a table or wheelchair; vertically mounted on a base with 4 suction cups; or on a microphone stand.	More like a lever switch.	M		C	1/8M	94.95 66.95 59.95	YES
DATE UPDATED: 12-23-10									
		SWITCH TYPES (Cook and Hussey) Mechanical: Activated by the application of a force; generic names of switches include paddle, plate, button, lever, membrane. Mechanical Light: Same as mechanical requiring < 2 oz. to activate. Electrical Control: Activated by detection of electrical signals from the surface of the body. Electromagnetic: Activated by the receipt of electromagnetic energy such as light or radio waves. Pneumatic: Activated by detection of respiratory air flow or pressure. Proximity: Activated by a movement close to the detector but without actual contact. Phonation: Activated by sound or speech.	NOTE: This spreadsheet is designed to serve as a general resource. Assistive Technology Partners has no relationship with manufacturers or vendors of switches or switch devices. Neither does the spreadsheet serve to endorse any products. This spreadsheet is updated periodically by ATP faculty.						

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