

Websites and Apps for Switch Scanning Practice

What is a switch interface?

A switch interface is required to connect a switch to a computer or an iPad. Switch interfaces vary by the number of switches that can be plugged in, whether or not software installation is required, and the extent to which the switch ports can be programmed to emulate computer or mouse functions. Some common options are listed below. If you are using switches with a Speech Generating Device for communication, the switch ports are generally pre-installed on the side/back of the unit and therefore a switch interface would not be required.



Switch Interfaces for iPads

AeroSwitch - Bluetooth Switch for iPad: store.prc-salttillo.com

Inclusive Technologies – iClick and APPLICator: www.inclusivetlc.com

RJ Cooper – Bluetooth Switch Interface for iPad: www.rjcooper.com

Ablenet Blue2 Bluetooth Switch for iPad and Hook+: www.ablenetinc.com

Origin Instruments-Tapio: <http://www.orin.com/access/tapio/> Tapio is a native USB switch interface and can be connected to the charging port of an iPad, no bluetooth needed!

Switch Interfaces for Computers

AeroSwitch - Bluetooth Switch: store.prc-salttillo.com

Ablenet-Hitch which is a switch interface for computers: <https://www.ablenetinc.com/hitch-2>

Origin Instruments – Swifty: <https://www.orin.com/access/swifty/>

Crick Software – USB Switch Box: <https://www.cricksoft.com/us/crick-usb-switch-box>

Enablemart – USB Switch Interface: www.enablemart.com

iPad Apps (with scanning accessible features)

Creative Communicating Adapted Play Books: Contains the following accessibility features: Auditory preview, single switch auto scan, two switch scan, tap and double tap scan, touch sensitivity controls

Inclusive Technology Ltd (Also known as Help Kidz Learn): Nice variety of games to pick from, all with single and two switch scan capabilities. This company frequently adds new choices so keep checking their selections in the app store.

RJ Cooper & Associates:

- **Scan-A-Word:** Targets letter, spelling and word recognition with an errorless learning method. Built in Scanning capabilities and special feedback available for blind learners.
- **RadSounds:** Customizable cause/effect music that can be controlled by a single switch. Length and type of music bit can also be controlled.
- **NEW: Early & Advanced Switch Games** - 19 games starting with cause/effect, evolving through selecting, then scanning, then matching and logic, all within 1 app. Provisions for step-scanning even! Plenty of spoken guidance and feedback/praise. BIG obvious effects!



Computerade Products Catch the Cow: Targets single switch auto scanning only, no two-switch skill training. An assessment tool. Level of difficulty can be gradually increased to select picture from multiple rows and columns.

Switch Accessible Puzzles (Mazes and Matching apps also available now): Switch Accessible Puzzles is an exciting 3D puzzle matching app modeled after the popular wooden puzzles with cutouts. The user is presented with a board that can be customized to have 2, 3, 4, or 5 cutouts in it. Pieces are placed using either switches with various scanning methods, drag and drop, or just touching a cutout. Unlike other apps of this type, the puzzle pieces and board are large and the screen is not cluttered with distractions.

Computer Based Switch Training Games

https://www.ianbean.co.uk/ss_playzone/

Ian Bean's SENict website has a ton of free accessible activities online! There are different topics, so it can be used with a variety of ages. Each activity can be accessed with mouse, touch, switch or eye gaze (depending if your computer or device is set up for that). You can subscribe for more activities at <https://www.senictsoftware.com/activities/>. There is a 7 day free trial as well. It seems there are also teaching guides available.

<http://tarheelgameplay.org/>

Tar Heel Gameplay, a collection of free, easy-to-play, and accessible games. Each game is speech enabled and may be accessed using multiple interfaces, including touch screens and 1 to 3 switches.

You may create your own games using videos from the huge collection at YouTube.

Tar Heel Gameplay is being developed and tested in the Google Chrome browser. It may work in other modern browsers but save yourself some confusion and try it with Chrome.

Use your switch to read the books they've made or you can have mom/dad/teacher help you author your own books!

<http://tarheelreader.org/#>

www.helpkidzlearn.com

HelpKidzLearn is a collection of free and/or yearly subscription software for young children and those with learning difficulties to play online. The software is split into five sections:

- Early Years
- Games and Quizzes
- Stories and Songs
- Creative Play
- Find Out About

Be sure to adjust the settings on each game for single vs. two switch scanning depending on which method you are trying to train.

www.judylynn.com

A website designed specifically for switch scanning practice. You are able to download any of the programs and trial them 10-20x before needing to pay for the software. \$39 cost for a single user, classroom packages also available. The "animated toys" download is one of our favorites.

I listed below the Judy Lynn programs that can be used with 2 switches and functionality of the switches:

"Learning Two Switch Step Scanning" teaches a student to use 2 switches to learn how to step scan:

http://www.judylynn.com/prog_desc.php?PROG_NUM=553

The following programs can be set up to use 2 switches for step scanning where one switch steps through choices and the second switch selects.

Pick & Choose http://www.judylynn.com/prog_desc.php?PROG_NUM=405

Wheel of Sounds http://www.judylynn.com/prog_desc.php?PROG_NUM=219

Cause & Effect Amusement Park http://www.judylynn.com/prog_desc.php?PROG_NUM=278

Scan & Paint http://www.judylynn.com/prog_desc.php?PROG_NUM=302

Virtual Motor Skills http://www.judylynn.com/prog_desc.php?PROG_NUM=630

Match Maker plus Quiz Creator http://www.judylynn.com/prog_desc.php?PROG_NUM=675

In Sequence - Daily Living Skills http://www.judylynn.com/prog_desc.php?PROG_NUM=801

In Sequence - Illustrated Stories http://www.judylynn.com/prog_desc.php?PROG_NUM=802

Listen & Respond – Standard & Professional http://www.judylynn.com/prog_desc.php?PROG_NUM=888

“Paddle Pong” is modeled after the classic “pong” game where two switches will control a paddle. One switch will move the paddle up and the second switch will move the paddle down. If the other player is a switch user, 2 more switches can be added to control the other paddle. A touch window, mouse, or keyboard can also be used for either paddle. The program description can be viewed by clicking on the following link: http://www.judylynn.com/prog_desc.php?PROG_NUM=701

<http://www.oneswitch.org.uk> Filled with games for older kids along with instructions for adapting regular video games. Also a resource of fun ideas and 'assistive technology' aimed at moderate to severely learning/physically disabled people. Check out their “library”, which provides links to over 100 free switch games for download. Lots of great links to switches and there are also adapted toys for sale here.

www.priorywoods.middlesbrough.sch.uk/

Click on “resources” to find adapted books, song and sound clips, and downloadable games all for teaching switch skills.

<http://www.arcess.com/>

Adapted computer games for young children and teens. Free trial available, but eventual purchase required.

<http://tarheelreader.org/#..>

FREE! Use your switch to read the books they’ve made or you can have mom/dad/teacher help you author your own books!

<http://www.hiyah.net/software.html>

Offers a large collection of power point slide shows that allow a single switch user to click through at their own pace to advance to the next slide.

<http://www.kneebouncers.com/>

Great selection of colorful, musical games for younger children. Designed for timed, single switch users and the speed can be adjusted on most games. You are able to play free for a month and then there is a subscription cost.

<http://www.shinylearning.co.uk/freegames/>

Single and two switch games, several which are available to play FREE online. You can purchase a complete collection for home or school use, as well.

<http://www.specialbites.com/>

Online Switch Games for Kids with Special Needs



Don't forget! There are many popular kid friendly websites, such as Nickelodeon, PBS Kids, and Disney that are filled with songs and videos featuring current cartoon and movie characters. Many of these can be started and stopped with a single switch click if you place the mouse cursor in the right spot for the user.