



Use in Low Incidence Populations



OT - The **satalight™** was specifically designed for occupational therapy use, for students in wheelchairs, to give them SMART Board™ access. Because a SMART Board™ SB640 functions as a 48" diagonal touch screen, this lets anyone use the **satalight™** with any software program or web site, making the **satalight™** a computer access device for disabled individuals. The **satalight™** can be used with a reach stick, allowing some students with cerebral palsy or muscular dystrophy to have computer access. With such physically impaired students, the **satalight™** can be used as a PT (physical therapy) device where students use game software to practice extending their reach, or cause and effect software to practice reach in moving across their midline.

The **satalight™** can be height and angle adjusted to accommodate many severely multiple handicapped (SXI) individuals, such as individuals laying on a floor wedge or on a bean bag, sitting on a balance board or move-and-sit, or standing in a stander. By plugging a switch interface into the computer which operates the **satalight™** and running switch-accessible software, many SXI individuals can use the **satalight™** as a computer accessible device.

As a vocational rehabilitation computer access tool, the **satalight™** can be coupled with word prediction software (i.e. VizZle) to assist an OT user in typing.


VI - Vision impaired individuals can also use the **satalight™**, because the 48" diagonal viewing area is 500% larger than the typical 19" diagonal computer monitor. Images and text are five times larger, making it easier for many with a VI disability to see. For visually impaired students learning to read, the **satalight™** displays more readable text than a conventional screen reader, assisting them with reading fluency. The **satalight™** can also be used with view ability software, such as ZoomText®, which has features allowing to display image to be adjusted for brightness, contrast, and display colors needed for any particular user.

ASD - Autism Spectrum Disorder students reported by our customers, get the greatest educational gains in using the **satalight™**. Many ASD individuals are very visual learners, and are motivated to learn by using computer software. Teachers report that the large image size of the **satalight™** is very attention getting for ASD students and that they immediately notice increases in attention span and in visual tracking. One teacher recently commented "this student has an attention span of 40 seconds, yet, in using the **satalight™** and in observing other students using the **satalight™**, she has paid attention for over 5 minutes."

Teachers work on social skills with ASD students, and in using software designed for collaboration on the **satalight™**, students practice "turn-taking" and often interact with each other in making choices.

The minimal shadow produced by the **satalight™** Interactive Learning Station's short throw projector is preferred by teachers of ASD students, because they observe that ASD students are often distracted by shadows produced by typical interactive whiteboard systems, but are not by the minimal shadow of the **satalight™**.

SLPs (Speech/Language Therapists) - The **satalight™** is utilized with ASD populations, not only with Boardmaker® software, but with language development content from News-2-You®, Starfall and Tarheel Reader (as examples) to help students acquire language skills and to practice vocalization by reading out loud.





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Severely Cognitively Disabled - The **satalight™** is used with developmentally disabled students as a very visual, tactile and auditory learning tool. Cause and effect programs, that provide feedback when an individual touches a symbol on the **satalight™** touch screen surface, is often used to help students progress in their learning and attention. Painting/drawing programs are also used, where students "finger-paint with no mess or cleanup needed."


Mild and Moderately Cognitively Disabled - The **satalight™** is often used as a single-user or collaborative touch screen computer access device with mild and moderately cognitively disabled students as a learning center in a classroom, in the development of literacy, numeracy and transitional living skills.

AAC Users - In extreme cases, due to the physical handicaps of AAC users (augmentative and alternative communication) the **satalight™**, used in conjunction with Mayer-Johnson's Boardmaker® software, the **satalight™** is used as an AAC device, because the individual needs very large touch targets to interact with, due to physical challenges of low motor skills.

TBI (Traumatic Brain Injury) and stroke patients - As a rehabilitation device, the **satalight™** is a direct selection computer access device, and memory building and gaming software can be used to stimulate different centers of the brain. The **satalight™** can be used with these patients in the same manner as with OT and ASD individuals, with similar positive results.

Dwarfism - Because the **satalight™** is easily height adjustable, someone of extremely short stature can stand at the **satalight™**, and use it as a regular SMART Board™ or as a computer access device. The **satalight™** is also used in early childhood education as a SMART Board™ (with the pen tray attached), because it is often the only practical way to give SMART Board™ access to PK-2 students.

For more information on the satalight, contact Advanced Education at 1-800-436-6239 or info@advanced-inc.com.



Advanced Education
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