

**APH Products and Services
for the
Consumer Electronic
Show (CES)
2023 Conference**



**AMERICAN
PRINTING
HOUSE** 

Braille Solutions

Dynamic Tactile Device (DTD)

APH and HumanWare have partnered to develop the DTD, a self-contained standalone tactile tablet capable of running a multitude of apps optimized for enhancing the efficiency of a blind or low vision user. This device will also be capable of rendering multiple lines of braille and tactile graphics on the same tactile surface, which in turn will skyrocket braille literacy, efficiency, and accessibility. This tool will help level the playing field for students, enabling them to receive braille instructional materials at the touch of a download button instead of waiting weeks or months for embossed braille textbooks to be transcribed and shipped. To receive the latest announcements regarding APH's Dynamic Tactile Device, please sign up for our [Mailing List](#).

In addition to running its own apps, APH and HumanWare will be working with strategic partners to utilize an SDK being developed, beginning in 2024 to create apps and experiences we haven't yet thought of. If your organization is interested in developing for this exciting tool, please contact the team at DTD@aph.org.

Polly - Coming Soon

Created in partnership with ThinkerBell Labs, Polly is an electronic Wi-Fi enabled braille learning device that teaches reading, typing, writing, vocabulary, and spelling in both contracted and uncontracted braille.



Braille Solutions

This device includes a Perkins-style keyboard, an electronic slate, a speaker for instruction and feedback, and an online teacher portal that allows remote access and progress monitoring for educators/parents. Stay in the loop about all things Polly, by joining our [Wait List](#) - be the first to know when Polly is available for purchase!

Mantis™ Q40

No longer choose between a keyboard or a braille display! The [Mantis Q40](#) has a refreshable braille display of 40-cells below its full QWERTY keyboard, providing the convenience of a keyboard with the precision of braille. Connect other devices via USB or Bluetooth®, or use the Mantis by itself to read books, edit and manage files, check the date and time, and make basic mathematical calculations.

Chameleon™ 20

Developed specifically for education, with students in mind, the [Chameleon 20's](#) 20-cell refreshable braille display and Perkins-style keyboard provides a comfortable reading and writing experience. Use as a stand-alone notetaker, or as a braille display to edit assignments on the computer. 2.0 Software Update includes text-to-speech (TTS) in English and Spanish!

View our [Refreshable Braille Comparison Chart](#) to find out which refreshable braille display is right for you.

Accessible STEM

Code Jumper™

Originally designed by Microsoft® and developed by APH, [Code Jumper](#) teaches computer coding and programming skills through a unique, physical system. Code Jumper technology takes block coding off the screen and puts it on the table in front of you, making it accessible and fun for the whole class. Brightly colored plastic pods with oversized buttons and knobs are connected by “jumper cables” (thick cords) to physically create computer code that can tell stories, music, and even crack jokes.

Accessible Code & Go® Mouse

The [Accessible Code & Go Mouse](#) provides a hands-on introduction to coding concepts and tactile graphics as students program Colby the mouse to race through the maze toward the cheese. Students will learn problem-solving, critical thinking, if-then logic, O&M skills, route planning, and much more.

RC Snap Rover

The [RC Snap Rover Access Kit](#) is an innovative tool that provides hands-on electronics education for students. Snap together colorful Snap Circuits® parts to build an RC Snap Rover that can zoom across any surface with the included wireless remote control.



Magnify Your World

Juno

The [Juno](#) is a great magnifying solution for use during work and recreational activities. Juno can capture and process multiple pages of printed text using Optical Character Recognition (OCR), giving users the option to read the document themselves on a 7-inch LCD touchscreen or have the text spoken aloud using text-to-speech (TTS). Plus, Juno's 180-degree rotating barrel camera supports four camera modes (self-view, reading-view, distance-view, and writing/hobby-view), enabling users to complete grooming tasks, view documents, read a bulletin board, fill out a form, sew, and much more!



Resources

ABIDE: Accessibility. Belonging. Inclusion. Diversity. Equity

These are the tenets that guide the work we do at APH. We believe in them so deeply that we have created a department of dedicated individuals working to infuse these tenets into every aspect of our company. [APH ABIDE](#) hopes to increase awareness of accessibility and usability obstacles and teach others how to remedy those issues; highlight diverse trailblazers; help others understand why diversity and equity are essential; and foster a sense of belonging in-house and throughout our community and the field of education.



ABIDE
Accessibility · Belonging ·
Inclusion · Diversity · Equity

Supporting APH



**Thank
You for
Supporting
APH**

As a not-for-profit, 501(c)(3) organization, APH values our thoughtful, informed donors who ensure that we are able to serve a growing population of people of all ages who are blind or low vision – across the nation and around the world. Our programs, initiatives, services, and products empower people with vision loss to live as independently as possible. Your contribution makes that happen. You are a part of the APH community – and we are truly grateful for your partnership. Please donate at bit.ly/donateaph or contact the APH Development Department by phone at 502-899-2291 or email at development@aph.org.



American Printing House for the Blind, Inc.
1839 Frankfort Ave. • Louisville, KY 40206
502-895-2405 • 800-223-1839 • aph.org