

**APH Products and Services  
for the**

**American Council  
of the Blind (ACB)**

**2023 Conference**



**AMERICAN  
PRINTING  
HOUSE** 

# Braille Solutions

## Monarch™

APH, HumanWare, and NFB have partnered to develop the [Monarch](#), formally referred to as 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 Monarch, 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](mailto:DTD@aph.org).

## Polly

An electronic Wi-Fi enabled braille learning device that teaches reading, typing, writing, vocabulary, and spelling in both contracted and uncontracted braille using a gamified approach.



# Braille Solutions

[Polly](#) includes a 6-dot braille keyboard, an electronic slate, a speaker for instruction and feedback, and an online teacher portal, Helios, that allows remote access and progress monitoring for educators/parents. Teachers can create individualized Spelling/Vocabulary lessons and customize the lesson order for student's learning needs through the online portal.

Stay up to date with all things Polly, by subscribing to the email group by sending an email to [polly-request@freelists.org](mailto:polly-request@freelists.org) with 'subscribe' in the Subject field OR by visiting the [APH Polly Freelists page](#).

## Mantis™ Q40 + Case

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.

APH and Executive Products, Inc. (EPI) have partnered to continue the tradition of creating functional, durable, and beautiful fitted cases. This [luxury leather case](#) is designed specifically for the APH Mantis Q40.

## 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.

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# Braille Embossers

## PageBlaster™

APH and HumanWare have partnered to produce a portable and powerful braille embosser with a tractor-fed design that provides smooth paper handling and produces double-sided interpoint braille. Use [PageBlaster](#) to emboss PRN files from APH's Tactile Graphics Image Library or create your own using the included Firebird tactile graphics software.

## PixBlaster™

The [PixBlaster](#) combines tactile graphics with braille text. This embosser allows users to easily produce double-sided interpoint braille with smooth, rounded dots for improved readability along with industry-leading, high-quality tactile graphics with seven variable dot heights for color representation. Connect to Wi-Fi to translate and emboss documents on the fly from your computer or mobile device using the included PIXie box.



# Low-Vision Solutions

## Juno

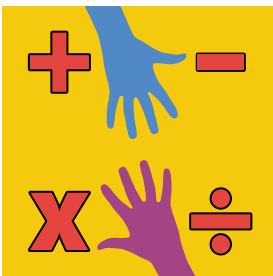
The [Juno](#) is a great magnifying solution for use during work and recreational activities. Juno can capture and process multiple pages of printed text using Optical Character Recognition (OCR), giving users the option to read the document themselves on a 7-inch LCD touchscreen or have the text spoken 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!



# Apps and Games

## Mobile/Desktop Apps, Skills/Actions

Enjoy hours of fun and learning with APH's variety of [apps](#) for desktop and mobile devices. Amazon Alexa<sup>®</sup> and Google Assistant<sup>™</sup> users can also join the party by trying out these [APH skills and actions](#).



# Non-tech/APH Favorites

## Graph Benders

Create/plot graphs and diagrams/charts that are tactile, visual, and durable! [Graph Benders](#)' flexible strips and point symbols (triangles, circles, squares) can be applied directly to paper and are an excellent way for students to demonstrate their mastery of math or science concepts.

## TactileDoodle

The [TactileDoodle](#) is a low-tech drawing board used to generate tactile, raised-line graphics quickly and independently, to convey a variety of concepts or art within the classroom and at home, including:

- Demonstrate a variety of concepts related to science, math, geography, etc.
- Illustrate spatial concepts and simple maps
- Practice handwriting skills
- Play interactive games, like tic-tac-toe
- Accommodate more open-ended, artistic drawing activities
- Practice tracing skills within a stencil or around a 3D object
- Provide tactile illustrations during teachable moments

## Deaf Blind Pocket Communicator

Easily communicate on the go with this no-tech, pocket-size communicator. The [Deaf Blind Pocket Communicator](#) is durable, washable, and easily fits in your pocket or bag.

## Finger Walks

The tactile patterns used in [Finger Walks](#) help users develop the sense of touch, clear and settle the mind, and experience calming, rhythmic movements. Use a finger to navigate through the collection of finger labyrinths.



Welcome to the [APH ConnectCenter](#)! This website offers FREE curated advice and resources to assist children, parents, adults, and job seekers who are blind or low vision, and their associated professionals. Through this website, you are able to access these ConnectCenter resources and much more:

- [For Families](#): Find support and resources for families of children who are blind or low vision.
- [For Job Seekers & Employers](#): Find employment information, tools, and guidance for job seekers who are blind or low vision or for employers who work with individuals who are blind or low vision.
- [VisionAware](#): Designed for adults and seniors who are living with vision loss.
- ConnectCalendar: For use by the entire blindness field to find and promote events, all in one place. [Promote and share](#) your organization's event by adding it to the Calendar or [discover upcoming events](#).
- [APH ConnectCenter Transition Hub](#): Planning for graduation and life after school brings up a lot of questions. Find information about transition programs that emphasize empowerment, career exploration, and work experiences for teens and young adults who are blind or low vision.

Have questions related to blindness or vision loss? Call APH's Information & Referral Hotline: (800) 232-5463 or e-mail us at [connectcenter@aph.org](mailto:connectcenter@aph.org).





# APH Services/Resources

## APH Hive

Buzz over to the [APH Hive](#), APH's FREE eLearning platform for educators and families that can be accessed at any time from the comfort of your home or office. With a growing course catalog covering categories like Early Childhood, Expanded Core Curriculum, and more, we want to give you the tools you need to support students. All you have to do is sign up, watch the course content at your leisure, and complete the follow up assignment to get your certificate for ACVREP credit! [Register and get started today.](#)

## Outreach Services

[APH's Outreach Services](#) team strives to increase awareness about the many resources and services offered by APH. These include, but are not limited to, the following: distance learning and statewide/nationwide training opportunities; exhibits and presentations at regional, statewide, and national conferences; expanded core curriculum academies/professional learning communities, and parent and family training opportunities. Outreach Services consists of three branches:

- Outreach Specialists for regional support.
- APH Hive for professional development.
- Census for the federal quota program.

APH continues to expand its reach through our strategically placed Regional Specialists. Regional Specialists meet the unique needs of EOTs, professionals, families, and other service providers working with students who are blind or low vision by providing tailored support to communities. These experienced professionals are charged with sharing craft knowledge across the field, building local networks of support, assisting with APH products and services, and facilitating solutions. Regional Specialists are available to provide support at conferences, regional Braille Challenges, colleges/universities, public and private schools, rehabilitation centers and more.



## 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](https://bit.ly/donateaph) or contact the APH Development Department by phone at 502-899-2351 or email at [development@aph.org](mailto:development@aph.org).

American Printing House for the Blind, Inc.  
1839 Frankfort Ave. • Louisville, KY 40206  
502-895-2405 • 800-223-1839 • [www.aph.org](http://www.aph.org)