Play Piper LLC - Accessibility Conformance Report

Revised Section 508 Edition

(Based on VPAT® Version 2.5Rev)

Name of Product:	**Piper Make**
Report Date:	April 2026
Product Description:	Piper Make is a set of hardware and electronics kits and a website that interacts with the kits. The Website contains tutorials and links to supporting documentation and is used to program the Raspberry Pi Pico microcontroller module used by the kits.
Contact Information:	hi@playpiper.com
Evaluation Methods Used:	Hardware testing was completed by simulating low-mobility and low/no vision. Software/Website testing was completed on the Chrome Browser using: • Built-in developer accessibility testing tools • Simulated mouse-less navigation • WCAG Testing Tool by Powermapper • Apple VoiceOver

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standards/guidelines

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(Yes)

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports**: The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports**: Some functionality of the product does not meet the criterion.
- **Does Not Support**: The majority of product functionality does not meet the criterion.
- **Not Applicable**: The criterion is not relevant to the product.
- **Not Evaluated**: The product has not been evaluated against the criterion.

WCAG 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the WCAG 2.0 Conformance Requirements.

Table 1: Success Criteria, Level A

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
1.2.1 Audio-only and Video-only (Prerecorded) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	Videos and animations are captioned, and sounds are for effects, not dialog. Videos and animations are not critical for the use or function of the product.
1.2.2 Captions (Prerecorded) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool)	Web/Software: **Supports** Docs/Resources: **Supports**	

● 602.3 (Support Docs)		
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
1.3.1 Info and Relationships (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
1.3.2 Meaningful Sequence (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
1.3.3 Sensory Characteristics (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
1.4.1 Use of Color (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
1.4.2 Audio Control (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
2.1.1 Keyboard (Level A) Also applies to:	Web/Software: **Supports** Docs/Resources: **Supports**	

Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)		
2.1.2 No Keyboard Trap (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
2.2.1 Timing Adjustable (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Partially Supports** Docs/Resources: **Supports**	No time limits are imposed. Some animations cannot be paused, but can be replayed by exiting the activity and returning. Those animations are not critical to the overall educational activity.
2.2.2 Pause, Stop, Hide (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Partially Supports** Docs/Resources: **Supports**	Some animations cannot be paused, but can be replayed by exiting the activity and returning. Those animations are not critical to the overall educational activity.
2.3.1 Three Flashes or Below Threshold (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Partially Supports** Docs/Resources: **Supports**	The Digital View shows the state of the GPIO pins on the hardware. Due to the nature of the hardware and circuitry, it is possible for the graphic that represents the states to blink more than 3 times per second. This view is not critical to the education function of the lesson and can be hidden if it is problematic for users.
2.4.1 Bypass Blocks (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) – Does not apply to non-web software ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) – Does not apply to non-web docs	Web/Software: **Supports** Docs/Resources: **Supports**	
2.4.2 Page Titled (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool)	Web/Software: **Supports** Docs/Resources: **Supports**	The software is a Single-Page Application, so the title is generic.

● 602.3 (Support Docs)		
2.4.3 Focus Order (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
2.4.4 Link Purpose (In Context) (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.1.1 Language of Page (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.2.1 On Focus (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.2.2 On Input (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.3.1 Error Identification (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.3.2 Labels or Instructions (Level A) Also applies to:	Web/Software: **Supports** Docs/Resources: **Supports**	

Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)		
4.1.1 Parsing (Level A) Also applies to: WCAG 2.0 – Always answer 'Supports' Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	For WCAG 2.0 and the 508 standards, the September 2023 errata update indicates this criterion is always supported. See the WCAG 2.0 Editorial Errata.
4.1.2 Name, Role, Value (Level A) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	

Table 2: Success Criteria, Level AA

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Does not Support** Docs/Resources: **Supports**	This is not available for videos or animations.
1.4.3 Contrast (Minimum) (Level AA) Also applies to: Revised Section 508	Web/Software: **Supports** Docs/Resources: **Supports**	

● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)		
1.4.4 Resize text (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Partially Supports** Docs/Resources: **Supports**	Some text is displayed via SVG images and does not respond fully to screen resizing.
1.4.5 Images of Text (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	There are very few raster images of text. Some images with text are SVG/vector where text can be read by screen-reading software. All images have alt-text and/or ARIA descriptors.
2.4.5 Multiple Ways (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) – Does not apply to non-web software ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) – Does not apply to non-web docs	Web/Software: **Supports** Docs/Resources: **Supports**	All parts of the webpage/application can be accessed within the program or via a site-map made available on the home page.
2.4.6 Headings and Labels (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
2.4.7 Focus Visible (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.1.2 Language of Parts (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	

3.2.3 Consistent Navigation (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) – Does not apply to non-web software ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) – Does not apply to non-web docs	Web/Software: **Supports** Docs/Resources: **Supports**	
3.2.4 Consistent Identification (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) – Does not apply to non-web software ● 504.2 (Authoring Tool) ● 602.3 (Support Docs) – Does not apply to non-web docs	Web/Software: **Supports** Docs/Resources: **Supports**	
3.3.3 Error Suggestion (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Web/Software: **Supports** Docs/Resources: **Supports**	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 ● 501 (Web)(Software) ● 504.2 (Authoring Tool) ● 602.3 (Support Docs)	Not applicable	Third-party sign on (IE Google SSO) is managed by Google, not Piper.

Revised Section 508 Report

Chapter 3: Functional Performance Criteria (FPC)

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Partially Supports	Screen Readers can be used for both the software and instruction documents. Parts can be identified tactilely with only a few non-critical exceptions. Some pieces are very small and may require modification using household items

		(tape, glue) or assistance to use without vision.
302.2 With Limited Vision	Supports	
302.3 Without Perception of Color	Supports	
302.4 Without Hearing	Supports	Where sounds are used, visual cues can be used instead.
302.5 With Limited Hearing	Supports	
302.6 Without Speech	Supports	One lesson involves speech, but that lesson can be skipped or a text-to-speech app or device can be used.
302.7 With Limited Manipulation	Supports	Some very small parts may need to be modified (tape, glue) to make them easier to manipulate.
302.8 With Limited Reach and Strength	Supports	
302.9 With Limited Language, Cognitive, and Learning Abilities	Partially Supports	The content is designed for younger children, but is still technical in nature.

Chapter 4: Hardware

Criteria	Conformance Level	Remarks and Explanations
402 Closed Functionality		
402.1 General		
402.2 Speech-Output Enabled		
402.2.1 Information Displayed On-Screen	Supports	
402.2.2 Transactional Outputs	Supports	
402.2.3 Speech Delivery Type and Coordination	Supports	
402.2.4 User Control	Supports	
402.2.5 Braille Instructions	Does not support	Digital versions with screen-reader capable alt-text are used instead.
402.3 Volume		
402.3.1 Private Listening	Supports	Computer hosting content must have an earphone jack or wireless earphones
402.3.2 Non-private Listening	Supports	
402.4 Characters on Display Screens	Supports	
402.5 Characters on Variable Message Signs	Not Applicable	
403 Biometrics		

403.1 General	Not Applicable	
404 Preservation of Information Provided for Accessibility		
404.1 General	Supports	
405 Privacy		
405.1 General	Supports	
406 Standard Connections		
406.1 General	Supports with Exceptions	Fine-motor control is required for breadboard pin assembly. Physical assembly supports the Co-Pilot workflow.
407 Operable Parts		
407.2 Contrast	Supports	
407.3 Input Controls		
407.3.1 Tactilely Discernible	Supports	
407.3.2 Alphabetic Keys	Supports	The user provides the computer to access
407.3.3 Numeric Keys	Supports	The user provides the computer to access
407.4 Key Repeat	Supports	The user provides the computer to access
407.5 Timed Response	Supports	The user provides the computer to access
407.6 Operation	Supports	The user provides the computer to access
407.7 Tickets, Fare Cards, and Keycards	Not applicable	
407.8 Reach Height and Depth		
407.8.1 Vertical Reference Plane	Supports	
407.8.1.1 Vertical Plane for Side Reach	Supports	
407.8.1.2 Vertical Plane for Forward Reach	Supports	
407.8.2 Side Reach	Supports	
407.8.2.1 Unobstructed Side Reach	Supports	
407.8.2.2 Obstructed Side Reach	Supports	
407.8.3 Forward Reach	Supports	
407.8.3.1 Unobstructed Forward Reach	Supports	
407.8.3.2 Obstructed Forward Reach	Supports	
407.8.3.2.1 Operable Part Height for ICT with Obstructed Forward Reach	Not applicable	
407.8.3.2.2 Knee and Toe Space under ICT with Obstructed Forward Reach	Not applicable	
408 Display Screens		
408.2 Visibility	Supports	The user provides the computer to access

408.3 Flashing	Supports	Some flashing is possible but can be avoided entirely without loss of learning or functionality.
409 Status Indicators		
409.1 General	Supports	
410 Color Coding		
410.1 General	Supports	Color
411 Audible Signals		
411.1 General	Supports	

Chapter 5: Software

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.x section	See information in WCAG 2.x section
502 Interoperability with Assistive Technology		
502.2.1 User Control of Accessibility Features	Supports	
502.2.2 No Disruption of Accessibility Features	Supports	
502.3 Accessibility Services		
502.3.1 Object Information	Supports	
502.3.2 Modification of Object Information	Supports	
502.3.3 Row, Column, and Headers	Supports	
502.3.4 Values	Supports	
502.3.5 Modification of Values	Supports	
502.3.6 Label Relationships	Supports	
502.3.7 Hierarchical Relationships	Supports	
502.3.8 Text	Supports	
502.3.9 Modification of Text	Supports	
502.3.10 List of Actions	Supports	
502.3.11 Actions on Objects	Supports	
502.3.12 Focus Cursor	Supports	
502.3.13 Modification of Focus Cursor	Supports	
502.3.14 Event Notification	Supports	
502.4 Platform Accessibility Features	Supports	
503 Applications		
503.2 User Preferences	Supports	

503.3 Alternative User Interfaces	Supports	Only Chrome and Chromium-based browsers are compatible with the product. Multiple accessibility add-ons/extensions are compatible with those browsers.
503.4 User Controls for Captions and Audio Description		
503.4.1 Caption Controls	Supports	Videos have full caption controls. Animations always show captions.
503.4.2 Audio Description Controls	Supports	
504 Authoring Tools		
504.2 Content Creation or Editing (if not authoring tool, enter "not applicable")	See WCAG 2.x section	See information in WCAG 2.x section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not applicable	
504.2.2 PDF Export	Not applicable	
504.3 Prompts	Not applicable	
504.4 Templates	Not applicable	

Chapter 6: Support Documentation and Services

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope		
602 Support Documentation		
602.2 Accessibility and Compatibility Features	Supports	
602.3 Electronic Support Documentation	See WCAG 2.x section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Not applicable	All documentation is available in digital formats
603 Support Services		
603.2 Information on Accessibility and Compatibility Features	Supports	If not published, can be requested via email or phone
603.3 Accommodation of Communication Needs	Supports	

Legal Disclaimer

This Accessibility Conformance Report ("ACR"), based on the Voluntary Product Accessibility Template ("VPAT") is provided by Play Piper LLC ("Company") for informational purposes only to assist in evaluating the accessibility of Piper Make (the "Product") against applicable accessibility standards. This ACR reflects the

Company's assessment of the Product's accessibility features as of the date indicated on the template. The information in this ACR is provided "as is" without warranty of any kind, whether express, implied, or statutory, including but not limited to warranties of accuracy, completeness, merchantability, fitness for a particular purpose, and non-infringement. Nothing in this ACR constitutes a guarantee that the Product fully conforms to any particular accessibility standard. The Company reserves the right to update, modify, or revise this ACR at any time without prior notice.

Scope and Limitations

Accessibility performance may vary depending on testing methodologies, configurations, environments, assistive technologies, and other factors outside the Company's reasonable control. The Company does not warrant that the Product will be accessible in all configurations or compatible with all assistive technologies.

Product features and accessibility characteristics may change due to ongoing development or updates. The Company has no obligation to update this ACR to reflect such changes.

This ACR does not constitute legal advice or a binding commitment regarding compliance with any applicable accessibility law, regulation, or standard. The Company makes no representations or warranties regarding the accessibility of any third-party products, components, or services referenced in this ACR.

Limitation of Liability

To the fullest extent permitted by applicable law, in no event shall the Company, its affiliates, officers, directors, employees, agents, or licensors be liable for any damages arising out of or in connection with the use of or reliance upon any information in this ACR, regardless of the theory of liability.

Contact Information

For questions regarding this ACR or the accessibility features of the Product, please email hi@playpiper.com.