

VPAT™ for Sphero Edu (Android) version 6.4.0

The following Voluntary Product Accessibility information refers to Sphero Edu (on Android) **version 6.4.0**

VPAT™ Voluntary Product Accessibility Template *Summary Table*

Criteria	Supporting Features
Section 1194.21 Software Applications and Operating Systems	Please refer to the attached VPAT
Section 1194.22 Web-based Internet Information and Applications	Not Applicable
Section 1194.23 Telecommunications Products	Not Applicable
Section 1194.24 Video and Multi-media Products	Not Applicable
Section 1194.25 Self-Contained, Closed Products	Not Applicable
Section 1194.26 Desktop and Portable Computers	Not Applicable
Section 1194.31 Functional Performance Criteria	Please refer to the attached VPAT
Section 1194.41 Information, Documentation and Support	Please refer to the attached VPAT

Section 1194.21 Software Applications and Operating Systems – Detail

Criteria	Supporting Features	Remarks and Explanations
(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually.	Partially supported	<p>Sphero Edu is designed to be fully usable without the need for a physical keyboard.</p> <p>Sphero Edu is designed for Android which includes assistive technology such as TalkBack, a screen reader for the blind, which provides access, and audio and visual feedback for touchscreen controls.</p> <p>For more information about Android accessibility features, visit https://support.google.com/accessibility/android/answer/6006564?hl=en</p>
(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer.	Supported	<p>Sphero Edu works with the TalkBack feature built into Android. For more information about Android accessibility features, visit https://support.google.com/accessibility/android/answer/6006564?hl=en</p>

<p>(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes.</p>	<p>Partially supported</p>	<p>On some screens, the focus area is small or two focus areas might overlap. In addition, screens that require scrolling do not function correctly while TalkBack is active.</p>
<p>(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text.</p>	<p>Supported with exception</p>	<p>Most user interface elements convey description, role and state information.</p>
<p>(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance.</p>	<p>Supported with exception</p>	<p>Most user interface elements convey description, role and state information.</p>
<p>(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes.</p>	<p>Partially supported</p>	<p>Text attributes not universally available</p>
<p>(g) Applications shall not override user selected contrast and color selections and other individual display attributes.</p>	<p>Partially supported</p>	<p>Some display attributes are not overridable by user preference</p>
<p>(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.</p>	<p>Not supported</p>	<p>There are 3D models of different Sphero robots that do not have alternate presentations</p>

<p>(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element.</p>	<p>Supported</p>	
<p>(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided.</p>	<p>Partially supported.</p>	<p>While Sphero Edu does not have app specific settings, Android allows for system-level control of display characteristics, and provides the ability to choose display size, font size, dark theme, and color inversion.</p> <p>Android includes a Color correction option which helps the device compensate for color blindness.</p>
<p>(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz.</p>	<p>Supported</p>	
<p>(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues.</p>	<p>Partially supported</p>	<p>Not all forms meet all of the requirements</p>

Section 1194.31 Functional Performance Criteria –Detail

Criteria	Supporting Features	Remarks and Explanations
(a) At least one mode of operation and information retrieval that does not require user vision shall be provided, or support for Assistive Technology used by people who are blind or visually impaired shall be provided.	Supported	Sphero Edu works with the built-in screen reader called TalkBack that enables Android to be used by those who are blind or visually impaired. For more information about TalkBack please visit https://support.google.com/accessibility/android/answer/6007100
(b) At least one mode of operation and information retrieval that does not require visual acuity greater than 20/70 shall be provided in audio and enlarged print output working together or independently, or support for Assistive Technology used by people who are visually impaired shall be provided.	Supported	Sphero Edu works with the built-in feature called Magnification. For more information about Android Magnification please visit: https://support.google.com/accessibility/android/answer/6006949

<p>(c) At least one mode of operation and information retrieval that does not require user hearing shall be provided, or support for Assistive Technology used by people who are deaf or hard of hearing shall be provided.</p>	<p>Supported</p>	<p>Sphero Edu does not require hearing for use. However, Sphero Edu does allow creating and running programs that contain sound effects that are played through the phone.</p>
<p>(d) Where audio information is important for the use of a product, at least one mode of operation and information retrieval shall be provided in an enhanced auditory fashion, or support for assistive hearing devices shall be provided.</p>	<p>Not Applicable</p>	
<p>(e) At least one mode of operation and information retrieval that does not require user speech shall be provided, or support for Assistive Technology used by people with disabilities shall be provided.</p>	<p>Supported</p>	

<p>(f) At least one mode of operation and information retrieval that does not require fine motor control or simultaneous actions and that is operable with limited reach and strength shall be provided.</p>	<p>Supported with exceptions</p>	<p>Sphero Edu takes advantage of a touch sensitive screen and does not require force or pressure to operate. However, it requires the use of a bare finger or conductive device. Users with motor skills or other disabilities that prevent them from having direct skin contact with the touchscreen may require a conductive stylus. In some cases, using a stylus may result in erratic touchscreen behavior and may scratch or damage the touchscreen. Caution should be taken in choosing an appropriate stylus.</p> <p>Also, the block programming canvas does not respond to touch correctly while in TalkBack mode.</p>
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Section 1194.41 Information, Documentation and Support – Detail

Criteria	Supporting Features	Remarks and Explanations
(a) Product support documentation provided to end-users shall be made available in alternate formats upon request, at no additional charge.	Partially supported	Online documentation for Sphero Edu in general can be found in an accessible HTML format at https://edu.sphero.com/about
(b) End-users shall have access to a description of the accessibility and compatibility features of products in alternate formats or alternate methods upon request, at no additional charge.	Partially supported	Compatibility information about Sphero Edu clients can be found at: https://support.sphero.com/article/3tzmrkc6lx-edu
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	Support contact information (including email support) is available at: https://sphero.com/pages/contact-us

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