Apple Accessibility Conformance Report

Based on Voluntary Product Accessibility Template® (VPAT®)

Name of Product: Logic Pro 11

Product Description: Music Creation application for macOS.

Date: September 30, 2024

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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 criteria without known defects or meets with equivalent facilitation.
- Supports with Exceptions: Some functionality of the product does not meet the criteria.
- Does Not Support: Majority of functionality of the product does not meet the criteria.
- Not Applicable: The criteria are not relevant to the product.
- Not Evaluated: The product has not been evaluated against the criteria. This can be used only with WCAG 2.0 Level AAA.

VPATTM

Voluntary Product Accessibility Template

Summary Table

Criteria	Supporting Features	Remarks and Explanations
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	

$VPAT^{\mathsf{TM}}$

Voluntary Product Accessibility Template

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	Most applications areas are accessible via keyboard commands, but some exceptions include: - Audio File editor - No ability to perform play head position or audio selection - No ability to select or deselect specific region
(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	
(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.	Partially supported	The keyboard focus and highlight selection in most dialog boxes and large part of the main window can be detected and tracked by Assistive technology. The focus indication moves in many dialogs as input focus changes.

Criteria	Supporting Features	Remarks and Explanations
(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.	Partially Supported	Most dialogs are accessible to VoiceOver and other accessibility clients. The interface of the main window is largely accessible including: - Tracks and their associated controls - Live Loops - Regions within the track area - The Region, Track, and Group Inspectors - The Dual Channel Strip mixer controls - Sound Library inspector - Apple Loops Browser - The Mixer - The Piano Roll MIDI editor - Step Sequencer - Session Player (Bass, Drummer, Keyboard) - Smart Controls - Plug-in parameters (Controls View only) - Score - File Browsers - List Editors: MIDI events, Markers, Tempo and Signature - Chord Track (Global Track, Region) Some less primary editors and other interface areas not yet available: - Global tracks - Audio File Editors
(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.	Supported	Automation and MIDI breakpoints
(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.	Supported	VoiceOver is able to navigate elements in dialog boxes and most elements of the GUI. All text labels are accessible and readable by VoiceOver and other accessibility clients.

Criteria	Supporting Features	Remarks and Explanations
(g) Applications shall not override user selected contrast and color selections and other individual display attributes.	Supported	
(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user.	N/A	
(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.	Partially Supported	Most buttons use more than color alone to indicate state. Plug-in bypass buttons on mixer channel strips are an exception, but their state is audibly indicated.
(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.	Supported	
(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.	Supported	
(I) 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.	Partially Supported	See 1194.21(a) and (f)

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.	Partially Supported	Most interface elements can be accessed using VoiceOver. All interface elements can be accessed using Switch Control.
(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	Combination of OS X Zoom and VoiceOver features provide the alternative .
(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	Partially Supported	Hard-of-hearing users may use Logic Pro X's controls, as well as system controls, for increasing volume.
(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.	Partially Supported	Visual alerts can be used in place of audible alerts.
(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.	Supported	

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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 can be found at : Online Logic Pro X Users Guide Online Logic Pro X Instruments Guide Online Logic Pro X Effects Guide ePub of Logic Pro X User Guide
(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.	Supported	Information about product accessibility and compatibility is available at: www.apple.com/accessibility
(c) Support services for products shall accommodate the communication needs of end-users with disabilities.	Supported	E-mail support and discussion groups are available at http://www.apple.com/support/logicpro/

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Chapter 3: Functional Performance Criteria -

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision. Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that does not require user vision.	Supports	As a macOS application, Logic Pro benefits from the built-in macOS screen reader called VoiceOver for the blind and visually impaired. macOS includes built-in support for over 100 USB and wireless refreshable braille displays that start instantly when connected. There is also support for over 30 braille tables supporting a wide range of languages.

Criteria	Conformance Level	Remarks and Explanations
302.2 With Limited Vision. Where a visual mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited vision.	Supports	Logic Pro benefits from many macOS features to assist users with low vision, including but not limited to: VoiceOver, VoiceOver cursor zoom, a scalable mouse cursor, and Zoom—a built-in screen magnification feature.
		VoiceOver also includes a scalable caption panel that displays spoken descriptions of what's happening on screen as text. VoiceOver in macOS includes built-in voices that speak over 40 languages.
		With Zoom, users can magnify everything on screen making it larger and easier to see. Text and graphics are enlarged for easier reading and QuickTime video plays magnified without any performance degradation. The powerful Quartz rendering and compositing engine makes Zoom view possible up to 20x.
		Zoom includes a number of options like the ability to set maximum and minimum values for rapid zooming in and out, zoom in window that allow users to see the zoomed area in a separate window while keeping the rest of the screen at its native size, preview rectangle that outlines the portion of the screen that will be magnified, and three options for how the screen moves as users navigate with the mouse pointer: follow the cursor, only move when cursor reaches an edge, or center the cursor on the screen.
		Users who prefer to use the mouse can also use VoiceOver to hear a spoken description of information that is under the mouse pointer in addition to using the Zoom feature.

Criteria	Conformance Level	Remarks and Explanations
302.3 Without Perception of Color. Where a visual mode of operation is provided, ICT shall provide at least one visual mode of operation that does not require user perception of color.	Supports with exceptions	Logic Pro works with system-level control of display characteristics that cannot be overridden by applications, including options to: • Invert light and dark colors displayed on the screen. • Differentiate certain elements without color. • Increase contrast of elements on the screen. • Reduce the transparency of elements on the screen. All of these features are accessed through System Preferences for Accessibility and can be used together in different combinations to suit the user's needs.

Criteria	Conformance Level	Remarks and Explanations
302.4 Without Hearing. Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that does not require user hearing.	Supports	Logic Pro benefits from a variety of macOS accessibility features to assist those who are deaf and hard of hearing:
		Flash Screen - macOS provides a visual indication of alert sounds via the Flash Screen feature. When a Mac application attempts to play a system beep alert, macOS instead flashes the screen.
		Notifications – Applications can notify the user of important information using the notification system built into macOS. Notifications all appear in the upper right of the screen making them easy to notice.
		Dock Notification – The icons of running applications that need attention visually jump up and down in the Dock, providing visual notification in addition to an audible beep or flash.
		Braille support - macOS includes built-in support for over 100 USB and wireless refreshable braille displays that start instantly when connected. macOS also includes support for over 30 braille tables supporting a wide range of languages.

Criteria	Conformance Level	Remarks and Explanations
302.5 With Limited Hearing. Where an audible mode of operation is provided, ICT shall provide at least one mode of operation that enables users to make use of limited hearing.	Supports with exceptions	Logic Pro benefits from macOS features to assist those with limited hearing: Mono Audio – combines the left and right stereo channels into a mono signal played through both left and right speakers and headphones so all of the audio program can be heard more easily. Sound output – users can choose to play sound through the computer's internal speakers, display speakers (when available), or through speakers, headphones, and some other devices that are plugged-in or available wirelessly through AirPlay. Users may adjust balance and volume for sound output with available controls in System Preferences for Sound. They can also set the volume and sound that plays for macOS alerts.
302.6 Without Speech. Where speech is used for input, control, or operation, ICT shall provide at least one mode of operation that does not require user speech.	Supports	

Criteria	Conformance Level	Remarks and Explanations
302.7 With Limited Manipulation. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that does not require fine motor control or simultaneous manual operations.	Supports	Logic Pro includes a flexible and extensive mechanism for customizing keyboard shortcuts, including the ability to associate any keyboard shortcut with one of a large number of potential commands. In addition, the project editing interface is designed to be operable entirely by keyboard. In addition, Logic Pro benefits from macOS Accessibility features to assist users who do not have fine motor control and can't perform simultaneous actions easily: Dictation which is designed to allow users to speak into any text field using the built-in microphone and have the text transcribed back. Sticky Keys which is designed to allow a series of single key presses to be interpreted as a multiple keystroke combination. Sticky Keys is beneficial for people who have difficulty pressing multiple keys simultaneously. Slow Keys which is designed to put a delay between when a key is pressed and when it is accepted by the system. Slow Keys is beneficial for people who may press keys accidentally and often. Key-click sounds provide additional feedback when a key is accepted. Adjustable keyboard repeat delay which is designed to prevent accidental entry of multiple single keystrokes.
		Continues on the next page

Criteria	Conformance Level	Remarks and Explanations
		continued from the previous page.
		Tracking Speed, Double-click Speed, and Scrolling Speed Adjustment allows users to customize the sensitivity of these controls when using a mouse and trackpad.
		Dictation commands allow users to control certain features of their computer without using a keyboard or mouse.
		Switch Control allows users to control a Mac using an adaptive device such as a switch, a joystick, the space bar on a keyboard, or a single tap on the Multi-touch trackpad.
		The Accessibility Keyboard allows users to navigate macOS without using physical keyboard. This is a customizable, onscreen keyboard that gives users with mobility impairments advanced typing and navigation capabilities. In addition, the Accessibility Keyboard supports Dwell allowing users to control the pointer (move, click, double-click, etc.) using head tracking technology.
		Alternate input devices such as trackballs, game controllers, joysticks, keyboard, mice, track pads, graphics tablets and more are also supported. For more information visit https://www.apple.com/shop/mac/mac-accessories

Criteria	Conformance Level	Remarks and Explanations
Criteria 302.8 With Limited Reach and Strength. Where a manual mode of operation is provided, ICT shall provide at least one mode of operation that is operable with limited reach and limited strength.	Conformance Level Supports	Remarks and Explanations Logic Pro benefits from macOS Accessibility features to assist users with limited reach and strength: Switch Control allows users to control a Mac using an adaptive device such as a switch, a joystick, the space bar on a keyboard, or a single tap on the Multi-touch trackpad. The Accessibility Keyboard allows users to navigate macOS without using physical keyboard. This is a customizable, onscreen keyboard that gives users with mobility impairments advanced typing and navigation capabilities. In addition, the Accessibility Keyboard supports Dwell allowing users to control the pointer (move, click, double-click, etc.) using head tracking technology. Dictation which is designed to allow users to speak into any text field using the built-in microphone and have the text transcribed back.
		have the text transcribed back. Alternate input devices such as trackballs, game controllers, joysticks, keyboard, mice, track pads, graphics tablets and more are also supported. For more information visit https://www.apple.com/shop/mac/mac-accessories

Criteria	Conformance Level	Remarks and Explanations
302.9 With Limited Language, Cognitive, and Learning Abilities. ICT shall provide features making its use by individuals with limited cognitive, language, and learning abilities simpler and easier.	Supports	Logic Pro benefits from macOS Accessibility features to assist users with limited cognitive, language, and learning abilities simpler and easier: Text to Speech – Text to Speech reads selected text aloud when a key is pressed. Text to Speech may help with expressive speech development, cognitive and learning disabilities, and more. Dictionary - The built-in Dictionary app lets users look up words and phrases from a variety of sources. Definitions and synonyms help with grammar, spelling, and pronunciation. Word Completion - macOS provides word completion in apps like TextEdit and Pages for improving vocabulary and word-building skills. Edit Suggestions. Grammar and spelling check as well as substitutions for help users produce more accurate type written documents. Fullscreen - macOS allows users to display an application window in fullscreen.

Chapter 5: Software -

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG Section
502 Interoperability with Assistive Technology		
502.2.1 User Control of Accessibility Features. Platform software shall provide user control over platform features that are defined in the platform documentation as accessibility features.	Supports	Accessibility features can be controlled within System Preferences for Accessibility or using accessibility shortcuts. Applications can provide additional controls for accessibility features in their preferences.
502.2.2 No Disruption of Accessibility Features. Software shall not disrupt platform features that are defined in the platform documentation as accessibility features.	Supports	
502.3 Accessibility Services		
502.3.1 Object Information. The object role, state(s), properties, boundary, name, and description shall be programmatically determinable.	Supports	
502.3.2 Modification of Object Information. States and properties that can be set by the user shall be capable of being set programmatically, including through assistive technology.	Supports	
502.3.3 Row, Column, and Headers. If an object is in a data table, the occupied rows and columns, and any headers associated with those rows or columns, shall be programmatically determinable.	Supports	

Criteria	Conformance Level	Remarks and Explanations
502.3.4 Values. Any current value(s), and any set or range of allowable values associated with an object, shall be programmatically determinable.	Supports	
502.3.5 Modification of Values. Values that can be set by the user shall be capable of being set programmatically, including through assistive technology.	Supports	
502.3.6 Label Relationships. Any relationship that a component has as a label for another component, or of being labeled by another component, shall be programmatically determinable.	Supports with exceptions	The majority of built-in applications utilize the Accessibility API to form relationships between controls and their labels. VoiceOver conveys this relationship to end users while navigating through the UI. Third-party developers can also form relationships between controls and labels that are programmatically determinable through the Accessibility API. VoiceOver allows users to assign labels to objects e.g. track headers.
502.3.7 Hierarchical Relationships. Any hierarchical (parent-child) relationship that a component has as a container for, or being contained by, another component shall be programmatically determinable.	Supports	
502.3.8 Text. The content of text objects, text attributes, and the boundary of text rendered to the screen, shall be programmatically determinable.	Supports	
502.3.9 Modification of Text. Text that can be set by the user shall be capable of being set programmatically, including through assistive technology.	Supports	
502.3.10 List of Actions. A list of all actions that can be executed on an object shall be programmatically determinable.	Supports with exceptions	The majority of actions that can be executed on a button or object can be determined programmatically. In a few but rare cases, some object actions may not be listed.

Criteria	Conformance Level	Remarks and Explanations
502.3.11 Actions on Objects. Applications shall allow assistive technology to programmatically execute available actions on objects.	Supports with exceptions	In a few but rare cases, assistive technologies may not be able to execute all available actions on an object or button.
502.3.12 Focus Cursor. Applications shall expose information and mechanisms necessary to track focus, text insertion point, and selection attributes of user interface components.	Supports	
502.3.13 Modification of Focus Cursor. Focus, text insertion point, and selection attributes that can be set by the user shall be capable of being set programmatically, including through the use of assistive technology.	Supports	
502.3.14 Event Notification. Notification of events relevant to user interactions, including but not limited to, changes in the component's state(s), value, name, description, or boundary, shall be available to assistive technology.	Supports	

Criteria	Conformance Level	Remarks and Explanations
 502.4 Platform Accessibility Features. Platforms and platform software shall conform to the requirements in ANSI/HFES 200.2, Human Factors Engineering of Software User Interfaces — Part 2: Accessibility (2008) (incorporated by reference, see 702.4.1) listed below: A. Section 9.3.3 Enable sequential entry of multiple (chorded) keystrokes; B. Section 9.3.4 Provide adjustment of delay before key acceptance; C. Section 9.3.5 Provide adjustment of same-key double-strike acceptance; D. Section 10.6.7 Allow users to choose visual alternative for audio output; E. Section 10.6.8 Synchronize audio equivalents for visual events; F. Section 10.6.9 Provide speech output services; and G. Section 10.7.1 Display any captions provided. 	Supports with exceptions	 macOS provides a variety of platform Accessibility features to address the mentioned requirements: Sticky Keys, designed to allow a series of single key presses to be interpreted as a multiple keystroke combination. Sticky Keys is beneficial for people who have difficulty pressing multiple keys simultaneously. Slow Keys, designed to put a delay between when a key is pressed and when it is accepted by the system. Slow Keys is beneficial for people who may press keys accidentally and often. Click key sounds are also available to provide additional feedback when a key is accepted. Adjustable keyboard repeat delay, designed to prevent accidental entry of multiple single keystrokes. The setting is adjustable and can be set to not repeat. Flash screen, designed to provide a visual alternative for audio alerts. VoiceOver, designed to provide speech output services and audio feedback for visual events. Captions provide audio and video text descriptions for video media when provided by the developer. Please note: macOS does not currently provide adjustment of same-key double-strike acceptance.
503 Applications		
503.2 User Preferences. Applications shall permit user preferences from platform settings for color, contrast, font type, font size, and focus cursor.	Supports with exceptions	Applications provide limited user configurability of appearance and focus. VoiceOver does allow users to set preferences per application; however, these preferences do not include color, contrast, font type, font size, and focus cursor.

Criteria	Conformance Level	Remarks and Explanations
503.3 Alternative User Interfaces. Where an application provides an alternative user interface that functions as assistive technology, the application shall use platform and other industry standard accessibility services.	Not Applicable	
503.4 User Controls for Captions and Audio Description.		
503.4.1 Caption Controls. Where user controls are provided for volume adjustment, ICT shall provide user controls for the selection of captions at the same menu level as the user controls for volume or program selection.	Not Applicable	
503.4.2 Audio Description Controls. Where user controls are provided for program selection, ICT shall provide user controls for the selection of audio descriptions at the same menu level as the user controls for volume or program selection.	Not Applicable	
504 Authoring Tools		
504.2 Content Creation or Editing. Authoring tools shall provide a mode of operation to create or edit content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) for all supported features and, as applicable, to file formats supported by the authoring tool. Authoring tools shall permit authors the option of overriding information required for accessibility.	Does not support	

Criteria	Conformance Level	Remarks and Explanations
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion. Authoring tools shall, when converting content from one format to another or saving content in multiple formats, preserve the information required for accessibility to the extent that the information is supported by the destination format.	Does not support	
504.2.2 PDF Export. Authoring tools capable of exporting PDF files that conform to ISO 32000-1:2008 (PDF 1.7) shall also be capable of exporting PDF files that conform to ANSI/AIIM/ISO 14289-1:2016 (PDF/UA-1) (incorporated by reference, see 702.3.1).	Does not support	
504.3 Prompts. Authoring tools shall provide a mode of operation that prompts authors to create content that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) for supported features and, as applicable, to file formats supported by the authoring tool.	Does not support	
504.4 Templates. Where templates are provided, templates allowing content creation that conforms to Level A and Level AA Success Criteria and Conformance Requirements in WCAG 2.0 (incorporated by reference, see 702.10.1) shall be provided for a range of template uses for supported features and, as applicable, to file formats supported by the authoring tool.	Does not support	