Logic Pro 7

Advanced music creation. Powerful audio production.

Key Features

Professional music studio
- Professional digital audio workstation software allows audio recording and editing of up to 244 audio tracks at up to 24-bit/192kHz resolution with comprehensive editing tools, including a precision sample editor.
- World-class sequencing features include flexible, real-time MIDI control of all parameters.
- Apple Loops support lets you easily choose samples from huge libraries of both prerecorded and software instrument loops.
- Advanced notation provides real-time transcription, guitar tablature and chord abbreviations, drum notation, and extensive ornamentation options.
- Synchronized QuickTime playback provides a visual reference for film and TV composers.
- The included Waveburner software creates CD masters in Redbook audio format.

Sound generation
- Advanced software instruments, including nine synthesizers (Sculpture, Ultrabeat, ES1, ES2, EFM1, ESM, ESE, ESP, and EVOC Polysynth) enable you to generate any sound.
- Three impeccably modeled vintage keyboard instruments turn your Mac into retro gear.
- The EXS24mkII provides a full-featured, 24-bit sampler with virtual memory.

Sound processing
- The superior guitar amp provides 12 amp models, 8 cabinets, and 4 EQs.
- Creative effect plug-ins let you shape and transform music with filters, delays, distortion, and more.

Distributed audio processing
- You can utilize the processing power of multiple networked Macintosh computers for increased DSP performance.

Specification Sheet
Logic Pro 7

Logic Pro 7 is the complete professional solution for music creation and audio production. This award-winning sequencing and audio workstation application features an extensive set of software instruments and effect plug-ins and state-of-the-art loop composition tools. With Logic Pro, professionals can take on any production task, including songwriting, film scoring, studio recording, sound design, music editing, and audio mixing. Comprehensive MIDI and audio editing features are enhanced by a user-configurable interface, a sophisticated mixing and automation engine, and the ability to tap networked computers for more processing power. The result is a highly efficient workflow—and maximum productivity.

Comprehensive music toolkit

This powerful application provides a consummate collection of creative tools that allow the widest range of music professionals to tackle every facet of composing, arranging, and producing music of any style and on any scale. Logic Pro 7 can easily be configured to complement any type of workflow and allows professionals to incorporate any hardware or software devices they want to use.

Built for pros

Logic Pro 7 meets the requirements of professional users by providing tools that deliver the sonic quality they expect and the depth of control they demand. In addition, Logic Pro 7 provides an elegant solution for expanding DSP power using multiple networked Macintosh computers.

What's New in Logic Pro 7

With the release of Logic Pro 7, Logic Pro formally joins the Apple lineup of professional software applications. This new release is also the first Mac OS X–only version of the application.

New features include the following:

- **Distributed audio processing.** Logic Pro 7 allows you to combine the processing power of multiple networked computers. Simply select which tracks will be processed externally by enabling a button on the track (similar to the Freeze Track button).

- **New software instruments.** Logic Pro 7 features several new software instruments, including Sculpture, Ultrabeat, and EFM-1, as well as support for GarageBand instruments and external instruments via I/O.

- **Apple Loops support.** Logic Pro 7 provides complete support for Apple Loops, including integration of the Apple Loops browser.

- **New effect plug-ins.** Plug-ins include Guitar Amp Pro, Linear Phase EQ, Multimeter, Pitch Correction, Match EQ, Vocal Transformer, Correlation Meter, Grooveshifter, and Ringshifter.

· **Interapplication workflow.** Logic Pro now imports GarageBand files and imports and exports Final Cut Pro/XML files. In addition, it imports and exports QuickTime soundtracks.

· **Audio feature enhancements.** Logic Pro features new Arrange Edit modes such as Shuffle and Auto-Crossfade, the ability to drag and drop multiple audio files into the Arrange, multiple-level undo for the Sample Editor, and support for AAC and Broadcast Wave audio file formats.

· **Productivity improvements.** You'll enjoy increased productivity thanks to the new Track Solo button, GarageBand-style loop handling, multiple channel select in the track mixer, and the ability to save and load entire channel strip instrument and plug-in configurations.

Comprehensive Workspace

While Logic Pro offers a host of various edit windows and screens, the majority of its everyday tools are accessible from one master overview window, called the Arrange window. The Arrange window is the nerve center of the application, providing the means to create tracks, select audio channels or software instruments, record, edit and arrange regions, select and manipulate sound processors, view video, tempo, and other global edit tracks, and more.

Arrange Window
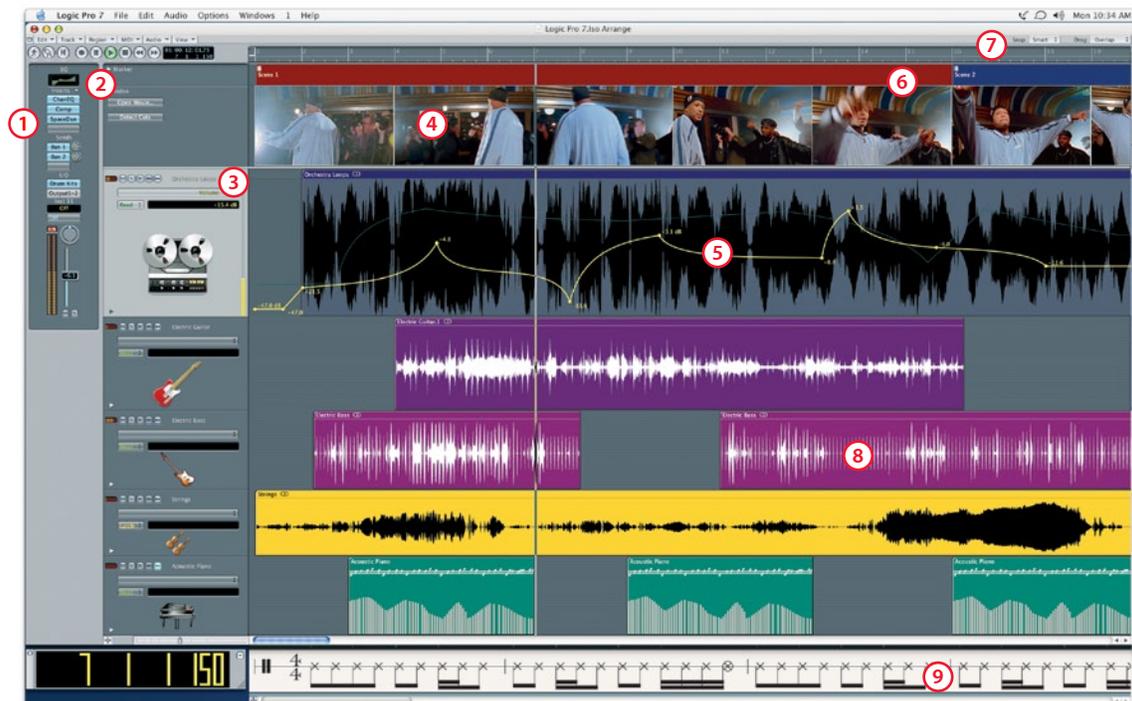
1 Convenient access to all effects and instruments

2 Recallable track effect and instrument configurations

3 Per-track assignment of distributed audio processing

4 Advanced QuickTime support with output of DV or DVCPRO over FireWire

5 Breakpoint editing of all automated parameters

6 Global tracks for editing, tempo, signatures, markers, video, and more

7 Shuffle and Auto-Crossfade Arrange Edit modes

8 Flexible, object-oriented editing of audio and MIDI

9 Real-time score transcriptions

Features

Benefits

Professional music studio

Multitrack digital recording	You can record as many simultaneous tracks as needed, even at 24-bit/192kHz resolution.
Professional audio mixing and mastering	Studio console-style mixing and automation features, a new set of Arrange mode edit options, and a collection of new mastering plug-ins make Logic Pro 7 more functional than ever for serious audio production tasks.
World-class sequencing	Logic offers the most advanced set of MIDI sequencing features on the market, with the best integration of software instrument support.
Apple Loops support	Logic Pro 7 provides complete support for Apple Loops, including an enhanced version of the GarageBand Loop browser interface. This makes Logic Pro 7 a next-generation digital audio workstation, offering a complete set of flexible loop composition tools.
Advanced notation features	No other similar package has the level of scoring features available in Logic Pro 7. In addition, a new vector font makes the onscreen appearance better than ever.
QuickTime support	QuickTime movies can be opened in Logic and run perfectly synchronized, either in a resizable onscreen window or externally using the DV over FireWire option. A thumbnail view is also available in the Arrange window.
Total recall mixing and automation	Logic Pro 7 includes a refined track-based automation system that seamlessly handles the mixing of audio and MIDI data. The configuration and settings for the mixer, effects, and all software instruments can be instantly recalled with the session, making the workflow significantly easier and more efficient compared with traditional hardware device–based environments.
Digidesign HD hardware support	Support for Digidesign TDM and HD hardware ensures compatibility with the hardware-expandable I/O and DSP system. This hardware has traditionally been popular among high-end professionals and recording facilities. Logic Pro is also the only TDM host product that can run TDM- and host-based plug-ins simultaneously in the same session.

Sound generation

Advanced software instruments	A complete sound palette is made possible by the collection of nine synthesizers, three impeccably modeled vintage keyboard instruments, and a full-featured, 24-bit sampler with virtual memory.
Sculpture—component modeling synthesizer	Sculpture is a software instrument based on a unique form of synthesis called "component" modeling. Component modeling uses sophisticated algorithms to virtually re-create the way sound is generated in a physical environment. Sculpture generates sound by simulating a vibrating string or bar. You can manipulate such variables as the object's material (glass, steel, nylon, and so on), how and where it is vibrated (bowed, plucked, blown), and the resonant chamber through which it is sounding. The resulting sounds are very distinctive and cannot be created by other methods of synthesis.

Features	Benefits
Sound generation (continued)	
Ultrabeat—drum synthesizer and sequencer	Ultrabeat is a deep-featured drum synthesizer that utilizes a wide array of synthesis, including subtractive, component modeling, FM, and sample playback. The device is made up of 25 modules, each having discrete access to the entire matrix of parameters. Ultrabeat also comes with a built-in step sequencer, enabling it to mimic the functionality of well-known hardware drum machines like the TR-808 or TR-909.
Sound processing	
Effect plug-ins	Over 70 built-in effect plug-ins cover the entire range of processor types, from EQs and compressors, to delays and reverb, to modulation and filter effects like chorus, phase, and auto-filters. The internal processing operates at 32-bit float resolution, eliminating signal overloads and ensuring pristine audio quality. The built-in plug-ins can be augmented thanks to support for the Audio Units plug-in protocol.
Guitar Amp Pro	The Guitar Amp Pro plug-in enables guitarists to play their instrument through faithful re-creations of guitar amplifiers and speakers—directly in Logic Pro 7. With independent control of the amp model, EQ configuration, cabinet selection, mic type, and placement, you have a virtually unlimited number of options for crafting customized guitar amp sounds. Tremolo, Vibrato, and Spring Reverb are included as part of the plug-in.
Scalable power	
Distributed audio processing	Logic Pro 7 utilizes the processing power of multiple networked Macintosh computers running Mac OS X for increased DSP performance. A small "node" application activates each client computer. You can then select which tracks are processed externally by simply enabling a button on the track, similar to the Freeze Track button. Note that distributed audio processing works only with Logic Pro 7 plug-ins.

System Requirements

- Macintosh computer with PowerPC G4 or faster processor (G5 or dual G4 processors recommended)
- PowerPC G5 and Gigabit Ethernet connectivity for Logic Node applications
- Mac OS X v10.3 or later
- 512MB of RAM
- 4GB of available hard drive space
- DVD drive for software installation
- Available USB port for XSKey (copy protection)
- Low-latency multi-I/O audio hardware and MIDI interface recommended

Additional system requirements may apply when using Digidesign TDM systems.

Support

Logic Pro 7 comes with 90 days of toll-free telephone support. In addition, Apple offers a full range of professional support options. For details, visit www.apple.com/support/products.

Ordering Information

Logic Pro 7
Order number M9664Z/A

Package includes installation and content DVDs, user's manuals, and XSKey USB copy protection.

For More Information

For more information about this product or to purchase Apple products, visit the Apple Store online (www.apple.com or 800-MY-APPLE), an Apple Store near you, or an Apple Authorized Reseller.

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