

## Cubase Essential 4 – Complete List of New Features

---

### Mixing

---

8 Insert Effects per channel

Drag & Drop copying and swapping of insert plug-ins

Re-organized mixer control strip

“Command Target” controls in mixer control strip

Improved Show/Hide management for mixer channels

Improved channel selection and visibility

Inserts show preset names for plug-ins

User-configurable channel strip window for audio and instrument tracks, including preset management

User-configurable track inspector with preset management

Dynamic output configuration for VSTi's

### Audio

---

AudioWarp realtime pitch shifting with formant preservation for natural realtime audio transpose

Up to 32 mono / 16 stereo physical I/O channels

Direct Monitoring: improved level handling in direct monitoring path

### MediaBay

---

New MediaBay media management system with extensive search, preview and attribute editing functions

VST Sound – Universal Sound Manager (links MediaBay with Track Presets, VST3 Plug-in Presets and built-in synth engine)

Preview function to play loops in project tempo

Auto-Preview for Track Presets and VST Presets

“Manage” option for folders/volumes

Insert loops, sounds, track presets with double-click

### Editing

---

Unlimited Undo/Redo

Combined editing of notes and controllers

Key Editor: New Trim Tool for trimming event start or end points for multiple events

Improved selection of tool modifiers in editors, controller lanes and automation lanes

New preference: track selection follows event selection

Fade handles always on top

Drum Editor: instrument name display when moving events; instrument name in info-line

Drum Editor: show/edit velocity for multiple selected instruments

Key Editor: show instrument name when drum map is active

Sample Editor Function Inspector (AudioWarp definition/playback, Hitpoint editing)

Freeze Play Parameters option

### Plug-ins and Instruments

---

New VST3 plug-in set:

Delay: MonoDelay, PingPongDelay

Distortion: Distortion, ToneBooster, AmpSimulator

Dynamics: VSTDynamics, Limiter, Gate

Filter: WahWah, DualFilter

Modulation: Flanger, Phaser, Tremolo, Vibrato, Rotary

Spacial: MonoToStereo, StereoEnhancer

Reverb: Roomworks SE

Other: Octaver, Tuner

(Plus 10 additional VST 2.4 plug-ins)

New Virtual Instrument: HALion One – sample playback synthesizer featuring Yamaha Motif sample content

More than 130 ready-to-play instrument sounds, drum kits and effects

Redesigned Plug-in Menu

VST Bridge (run 32-bit Windows plug-ins in 64-bit; run PPC-only plug-ins on Intel Macs)

### Project/General

---

Instrument Tracks combining MIDI Input and Audio Output for VST instruments into a single track and mixer channel

Track Presets save entire channels and track parameters without events for convenient sound management

Integration of VST3 for plug-ins and virtual instruments

Re-organized Preferences dialog with extended customization features

Freeze function for CPU saving

New Crosshair Cursor

Part/Event names are preserved after bouncing a selection

Option to use L/R keys to set range or move playback head

Improved snapping, including option to snap events to the right side

Track Controls context function for multiple selected tracks

Option to have track selection follows event selection

“Snap to Zero-crossing” button in tool bar

Display time format in time display devices

Reverse time keyboard input for faster editing

Scrolling improvements

Support for Windows Vista

Track Control context functions for multiple tracks

Load Projects inactive

New Arranger Track with live trigger mode

Re-organized track controls window

Improved multi processing performance

### MIDI & Music

---

4 MIDI Inserts, 4 MIDI Sends

Toggle selection status with control modifier

MTC/MMC synchronization support

Drag&Drop import and playback support for MIDI Files (SMF)

### Video

---

Improved QuickTime 7 support:

- MPEG1, MPEG4, .h264
- HQ playback mode
- Half/double size support

### Various

---

Redesigned User Interface with new look & feel

Mac OSX Intel support (Universal Binary)

New set of key commands:

- Constrain delay compensation on/off
- Switch automation modes
- Deactivate all solo
- Unmute all
- Grid and snap modes
- Lane display type
- Enable/disable track
- Lock/unlock track
- Open channel settings window for selected track
- Open VSTi for selected track
- Switching of ruler modes
- Jump to cycle marker
- Zoom cycle marker
- Add cycle marker
- Toggle auto-monitoring
- Toggle mixer views
- Open MediaBay

Remote Control protocol update (provides remote control support for Instrument Tracks)