

10 What's new in Cubase 6 in detail

Edit faster with less clicks



Drum editing deluxe*

Developed in conjunction with recording professionals and top-flight studio drummers, Cubase 6 raises the bar for multitrack drum editing tasks on all levels. Incorporating an entire new transient and tempo detection, phase stable audio quantization and drum replacement functions, Cubase 6 offers a complete toolset to perfect the rhythm, feel and flavor of live-recorded drum tracks. Whether it is about non-destructively correct timing issues or changing the tempo of a drum performance seamlessly — a tight groove is just a few clicks away.

A new transient detection — to slice them all*

Based on a state-of-the-art algorithm, Cubase 6 introduces a straightforward and intelligent transient detection function. Finding all drum hits is a breeze now, thanks to the intuitive preview feature and two specialized filters, called Peak and Beats. With this powerful tool on hand, you can detect single hits, rolls and ghost notes faster and more accurate than ever before. After the transients have been detected they are merged across multiple tracks by taking user definable priority of individual tracks into account. The drumhits are then cut up and grouped together ready for detailed tweaking. In this way, copying that great fill from verse 2 to verse 1 is solved with minimum effort: select one, move them all.



* Cubase 6 exclusive.

Multitrack phase accurate audio quantization*

In Cubase 6 audio material can be quantized just like any MIDI material, offering numerous possibilities to fix timing issues and to change the groove of live-recorded drums. To preserve phase relationships between tracks, the individual slices on all tracks are still grouped and moved at once. Cubase automatically creates cross-fades between slices to ensure seamless transitions between them and fill gaps that might be introduced during quantization. A few clicks, and all drum tracks are matched to the bass drum, snare or whatever source or sources are desired. With the Slice Rules you can decide which sources will get a higher priority during slicing.



Advanced tempo detection*

Cubase 6 features a newly developed tempo detection algorithm, which accurately and semi-automatically determines the tempo of any rhythmic audio material.

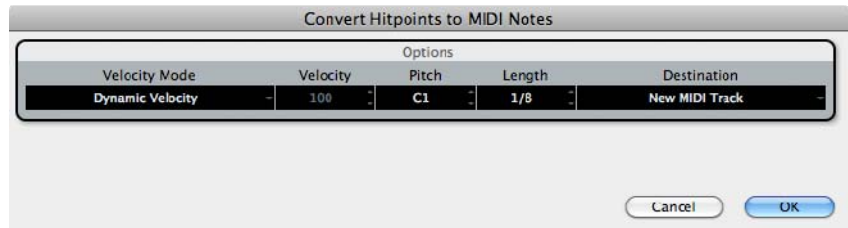


This makes it easy to determine the tempo of a drum performance that has not been recorded to a metronome. The resulting tempo map can be used for to keep the dynamic feeling of natural tempo variations or to remove unwanted tempo changes quickly. Whatever rhythm is at hand, Cubase 6 will detect the tempo and match the track to a beat grid of your choice.

* Cubase 6 exclusive.

Straightforward drum replacement*

The bass drum needs some extra punch? The snare drum doesn't cut through the mix? With the new Hitpoint-to-MIDI function, it gets very easy to replace, double or enrich live-recorded drum sounds. When the transients have been detected, a single click on the Create MIDI Notes button creates a MIDI track containing a MIDI note for each single drum hit. From here, it's up to you which sampler or synth you want to fuel with the note. A good choice would be the powerful Groove Agent ONE drum sampler, included in Cubase 6 and containing a sweet selection of acoustic, urban, hip-hop, and dance drumkits.



Summed up

- Perfect the rhythm, feel and flavor of live-recorded drum tracks
- State-of-the-art transient detection with grouped cut-up result
- Multitrack phase stable audio editing and quantization
- Advanced tempo detection
- Straightforward drum replacement
- Best of it all, use it creatively not only on acoustic drum tracks, but on any rhythmic audio material

* Cubase 6 exclusive.

Conjure the perfect take

Cubase 6 comes with a new Lane Track concept for lightning fast multitake comping. When recording several takes in Cycle mode, Cubase instantly creates a Lane Track for each take. From here, it's just a short way to perfection: Simply swipe across the best parts of a take and Cubase automatically creates a master take that contains all selected parts. For comfortable comping, each Lane Track sports a solo button and full editing functionality — building the perfect take has never been that easy.

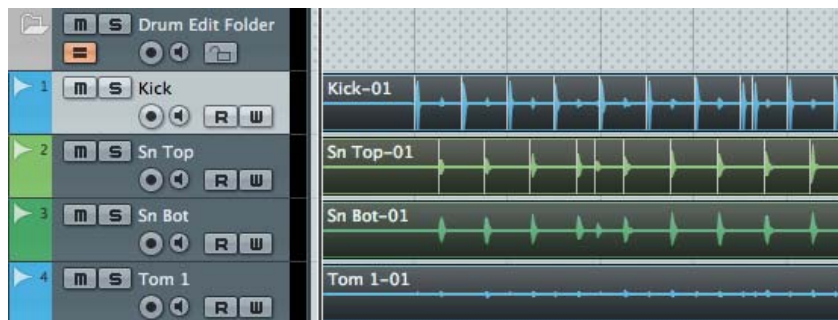


Summed up

- Comfortable and fast editing of multiple audio takes
- Simply swipe across the best parts to get the perfect take
- All editing functions can be applied to Lane Tracks

Bring together what belongs together*

Simple and efficient — the new Track Edit Groups tool refines the work with multitrack recordings in Cubase. Saving time and effort, this new function allows multitrack editing with single-click actions. Whether it is guitar, bass or ambient recording, professional sound engineers mix several signals to get the best results. When recording a guitar for example, it is common to record signals from different amps or microphone types on separate tracks. With Track Edit Groups activated, related tracks are tied together and can be edited at once, making this new feature a huge time-saver in the studio.



- Automatically lock events across several tracks
- Edit several tracks at once
- Ideal for editing drums or complex guitar setups

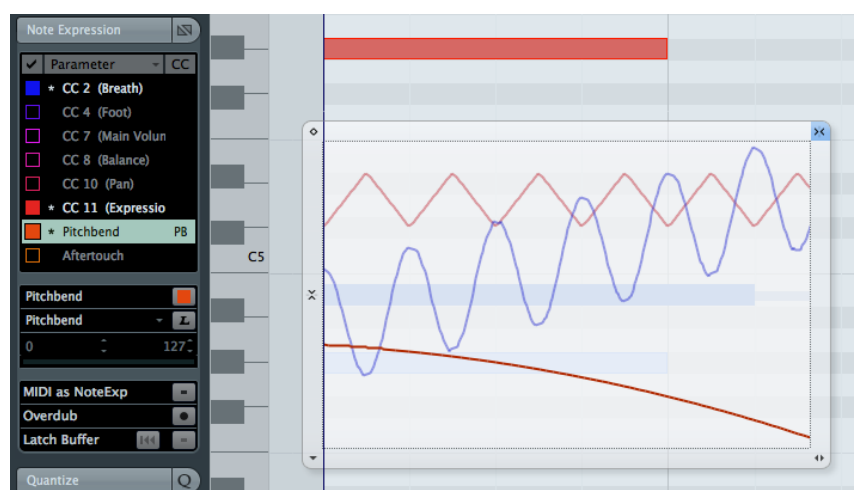
* Cubase 6 exclusive.

Go deeper with VST Expression 2*



Maximum note expression*

With the simultaneous release of Cubase 6 and VST 3.5, Steinberg is taking MIDI editing to a whole new level. Note Expression is the new smart way to assign, create and edit multiple controller values directly on single note-level — all in a single handy graphical interface. The perfect choice for demanding orchestral arrangements and creating unique sound effects, Note Expression allows controller values to be drawn directly onto single note events in the Key Editor. Because each individual note event contains its own set of controller data, even polyphonic sounding notes can now be dynamically controlled — fully independent from each other. This way, composers can access controller information such as volume or pitch bend in one place, making it easy to scale, shift or delete several values at once. Best of all, when moving or copying a note event, the associated controller data will follow as well. Each single note event and controllers are treated as one unit, which makes working with instrument articulations faster and more intuitive than ever before. Breaking the traditional MIDI limitations opens up entirely new creative possibilities: Imagine a chord containing different filter sweeps, volume curves or dynamic expressions for every single note!



Note Expression also integrates seamlessly with VariAudio. Its new Extended MIDI Conversion feature generates micro-pitch curves directly on note events in the Key Editor!

* Cubase 6 exclusive

But there's more. The included HALion Sonic SE virtual instrument, as well as HALion Sonic and the HALion Symphonic Orchestra VST Sound Instrument Set are among the first of their kind to fully support the VST 3.5 technology. From ultra-realistic instrument sounds to the most unexpected sonic spheres, VST 3.5 and Note Expression enable a whole new creative approach to composition and sound design.

And it doesn't stop here. Use VariAudio together with Note Expression to bring lifeless MIDI recordings to life. With the Extract MIDI feature inside the Sample Editor you can make snapshots of the pitch and volume curves of monophonic audio recordings and paste that information into MIDI notes!

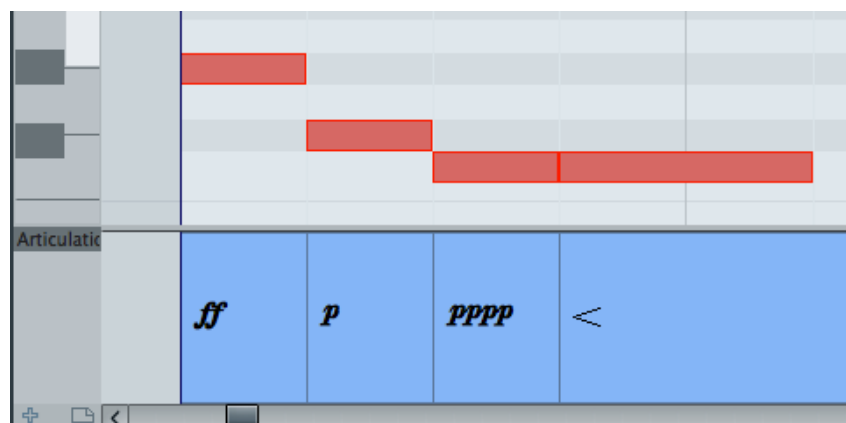


Summed up

- Break traditional MIDI limitations — assign, create and edit multiple controller values directly on single note-level
- Draw, scale or shift multiple controller values in a single graphical interface
- Audio to MIDI conversion, seamlessly integrated with VariAudio
- Invaluable for demanding orchestral arrangements, cutting-edge electronic music and unique sound effects
- Fully supported by included HALion Sonic SE and HALion Sonic 1.5

Make it dynamic*

The VST Expression set has been extended and now also sports dynamics in the Key Editor as well as in the Score Editor. From pianissimo to crescendo and fortissimo — all dynamics from the Score Editor are available in the new Articulations/Dynamics Lane in the Key Editor. When using VST 3.5-compatible instruments, you get instant acoustic feedback from parts that contain dynamics. What's more, the Dynamics Mapping feature allows very fine adjustments for up to three controllers for dynamics, including velocity, volume and the freely assignable MIDI CC.



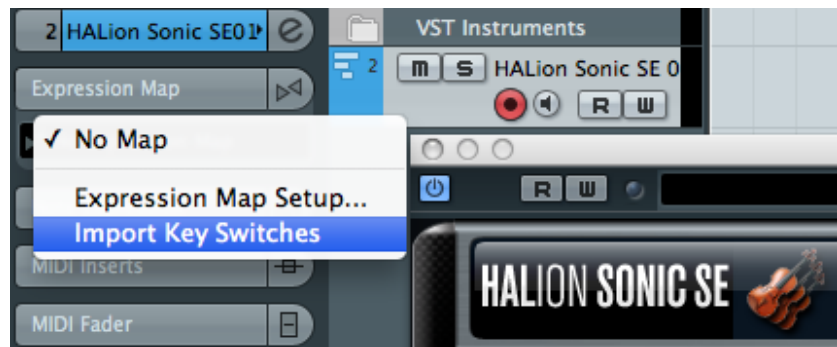
* Cubase 6 exclusive

Summed up

- Immediately listen to dynamic changes noted in the Score Editor or placed in the Key Editor
- Full support for dynamics in the Key Editor
- Extended VST 3.5 replacement for the previous MIDI Meaning feature

VST Expression map on call*

VST 3.5 compatible instruments such as the included HALion Sonic SE, as well as HALion Sonic and the HALion Symphonic Orchestra VST Sound Instrument Set can automatically transfer the articulation setup of each individual instrument sound to a VST Expression Map — a great function that will speed up the setup of VST Expression maps dramatically.



Summed up

- Straightforward setup of VST Expression maps
- Automatically transfer articulation setups of VST 3.5 compatible instruments for individual instrument sounds

* Cubase 6 exclusive

Make some noise



Insane tones for your guitar

VST Amp Rack is the new reference virtual guitar amplifier and effects suite, featuring the best in convolution technology. With the push of a button, VST Amp Rack delivers a comprehensive collection of outstanding guitar tones across an array of genres and styles from vintage to modern.

Based on some of the finest guitar amplifiers ever crafted, VST Amp Rack comes with seven distinct amp models that exactly reproduce the unique character of their originals. Whether it is crystal clean, creamy crunch or singing sustain, VST Amp Rack always delivers the perfect tone for studio-grade guitar tracks.



Designed as a customizable guitar rack waiting to be fueled, VST Amp Rack allows guitarists, bassists, engineers and producers to create complete setups, consisting of amps, classic stomp box effects, speaker cabinets and microphone models. Sixteen legendary stomp boxes are available, including Wah Wah, Compressor, Tape Delay and Fuzz for even more options in generating legendary guitar sounds. This, in combination with six classic speaker cabinets, two microphones and a tuner make VST Amp Rack the ultimate set of tools for authentic guitar recording right out of the box.



Be it jazz, rock or metal, VST Amp Rack is ready to infuse guitar tracks with drive, punch and clarity. With this tool at hand, there is no need for buying additional guitar recording gear — and it works great on drums and vocals as well.

Summed up:

- Comprehensive collection of signature guitar tones
- Seven legendary amp models ranging from vintage to modern
- Sixteen stomp box effects, including Wah Wah, Compressor, Tape Delay and Fuzz
- Six classic speaker cabinets, two studio-grade microphones and tuner



Taste sonic dimensions

HALion Sonic SE is a streamlined version of HALion Sonic, Steinberg's premier VST workstation. Incorporating the same pristine audio and synth engine as its award-winning brother, HALion Sonic SE offers tight integration with Cubase 6 and more than 900 (Artist: 550) production-ready sounds and instruments. Intuitive handling, instant playability and VST 3.5 support make this new instrument the perfect choice for creative songwriting or just playing along.

HALion Sonic SE replaces HALion ONE, but all HALion ONE sounds have been refurbished and are now included in HALion Sonic SE — together with new content taken from HALion Sonic. Equipped with detailed acoustic instruments, brilliant synthesizers and up-to-the-minute beats, the SE version is an extensive pool of sounds for everyday studio work.

HALion Sonic SE supports VST 3.5, being among the first to benefit from the revolutionary VST Expression 2 technology. This includes time-saving tools for composers such as the automatic VST Expression map setup and the Note Expression features.

What's more, eight intuitive Quick Controls provide fast access to the most important sound-shaping parameters. And with HALion Sonic SE, Cubase 6 also introduces a MIDI file import mode, making full use of HALion Sonic SE's 16-part multitimbral mode.

Summed up

- Same pristine audio quality as the award-winning HALion Sonic
- More than 900 production-ready sounds and instruments (Artist: 550)
- 16-part multitimbral
- Eight Quick Controls for intuitive sound tweaking
- VST 3.5 compatible — perfectly integrated in Cubase 6



LoopMash reloaded

The highly evolved LoopMash 2 offers even more cool ways to remix loops and create tons of new fresh variations of your music while giving you total control over the process. Over 20 new MIDI-controllable live and slice-based effects such as scratches, stutters and tape stops will get your beats onto the dancefloors.

LoopMash 2 now sports twice the amount of scenes — a total of 24 — to inject more variety into your performances. The scenes can be rearranged using drag-and-drop and renamed by double-clicking on them. With full Undo/Redo support you have now the freedom to try every parameter combination that comes to your mind without worrying about the consequences.

And that's not all, you can drag-and-drop slices from one LoopMash 2 track to another, or even into Groove Agent ONE!




Summed up

- New and improved matching algorithms
- More than 20 new MIDI-controllable live and slice-based effects
- 24 scene memory slots with full undo / redo
- Drag-and-drop integration with Groove Agent ONE
- VST 3.5 compatible — perfectly integrated in Cubase 6

HALion Symphonic Orchestra VST Sound Instrument Set*

Cubase 6 contains a 90-day fully functional trial version of the HALion Symphonic Orchestra VST Sound Instrument Set, providing a wealth of acoustic orchestral instruments at their best, including an almost inexhaustible range of articulations and expressive playing techniques. Existing HSO users will be excited to find out that they can use HALion Symphonic Orchestra VST Sound Instrument Set with their existing license as a free update right away! For all others, the trial version of the HSO VST Sound Instrument Set can be upgraded online to a permanent license at a very special price — exclusive for Cubase 6 customers.

 **The license upgrade is only available online and enables the permanent use of the HALion Symphonic Orchestra VST Sound Instrument Set included in Cubase 6.**

Evocative scores, exquisite arrangements and emotive accompaniments: HALion Symphonic Orchestra VST Sound Instrument Set for HALion Sonic SE and HALion Sonic is the ideal, symphonic library for composition, production and pre-production in music, TV and film scoring and game sound. It puts the awesome emotive power and sheer sonic majesty of a full symphonic orchestra under total control with its full support for VST Expression 2. Capturing every nuance and detail of a full palette and dynamic range of strings, brass, woodwind and percussion instruments, this library includes an almost inexhaustible range of articulations and expressive playing techniques, directly accessible in HALion Sonic SE and Cubase 6 — thanks to VST Expression.



Summed up:

- Free update for existing HSO owners — now compatible with HALion Sonic and HALion Sonic SE

* Cubase 6 exclusive

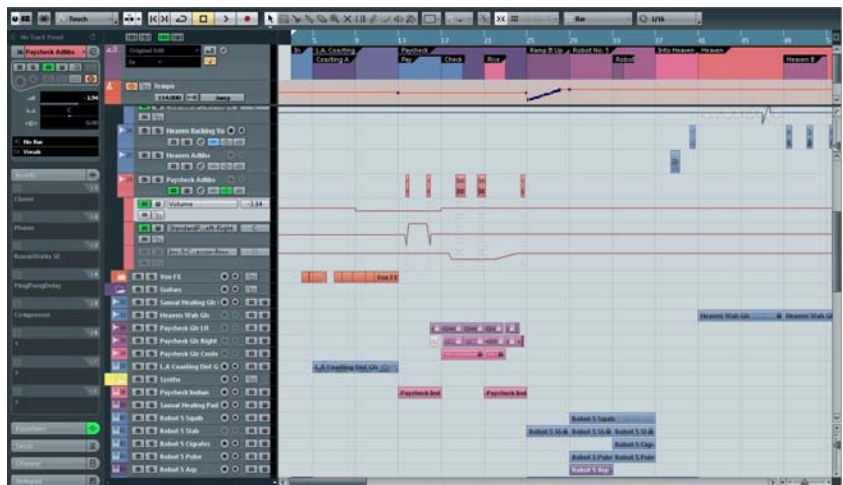
- Complete symphonic orchestra with breathtakingly authentic strings, brass, woodwind and percussion
- Works hand in hand with VST Expression 2 features — giving total control over articulations right in the Score and Key Editors
- Extraordinarily expressive with full dynamic range covering all common articulations of each instrument
- Crescendo Controller feature allows seamlessly real-time blending between samples with different dynamic characteristics

Work smarter, flow faster



Plenty of eye candy and snazziness

Cubase 6 features a significantly redesigned graphical user interface that not only looks good but also makes the huge Cubase 6 feature set even more accessible. Color and contrast optimization minimize eye strain and viewing fatigue during extended viewing sessions — this is pivotal when working long hours to meet project deadlines. The brand-new look for Parts, Events, Arranger and Marker tracks helps you to distinguish between what's important and what may not be so important in the Project window, while the revised Inspector and the overall new color scheme round out the fresh new design.



X64 support for Mac*

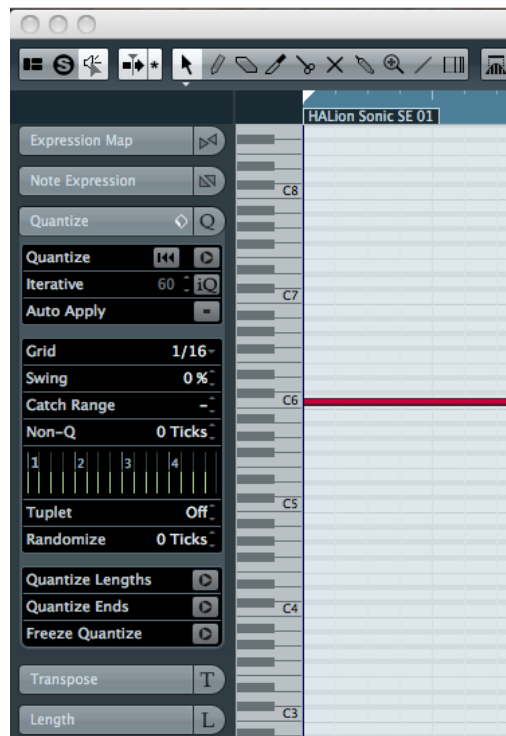
The native Cubase 64-bit support under Mac OS X 10.6 64-bit increases the addressable amount of RAM from 2 gigabytes to an astonishing 1 terabyte. In plain words, the bigger your memory, the more tracks, plug-ins and samples you can use in Cubase. This also means you can easily use all the compatible libraries available on the market today. That's what 64-bit support is all about.



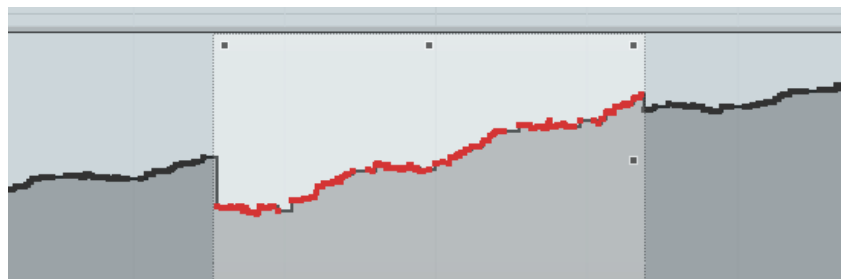
**** The initial release of Cubase 6 for Mac OS X has the following restrictions if run as native x64 application: no Rewire support, no MP3 export, no score printing, no OMF im/export, no Tonic audio effect plug-in, no Embracer and Monologue instrument plug-in.***

Get a grip on

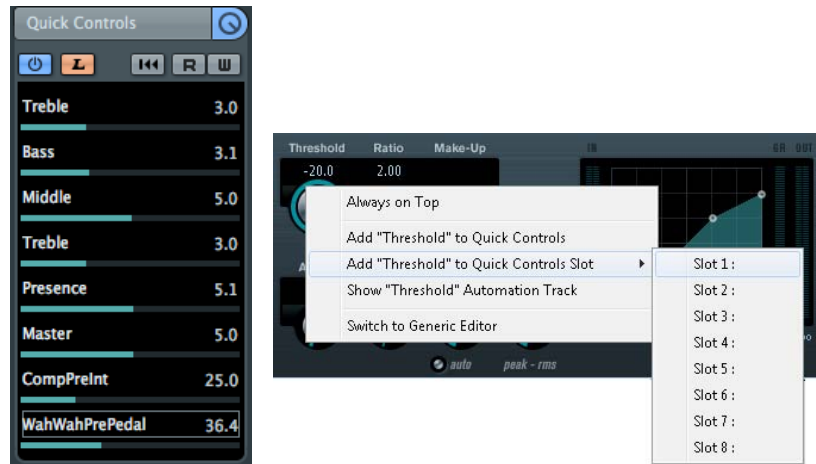
Cubase 6 is all about enhanced accessibility, with all the benefits to ease-of-use and workflow that this entails. Building on enhancements engineered for the Sample Editor in Cubase 6, the Key Editor has now been extended to provide smooth and intuitive access to all pivotal parameters. Cubase 6 provides a new command console for all the most important MIDI tools and functions in the form of the new Inspector. Expression Maps, Note Expression, Quantize, Transpose and Length are now close at hand, available from one central spot — it's all a breeze in Cubase 6..



New scaling tools for controller and automation data offer a highly intuitive user experience when working with MIDI data, including simultaneous editing of several events and an dramatically streamlined look-and-feel. You are in full control: scale, rotate and move marked events up or down; all events are scaled smoothly in relation to each other.

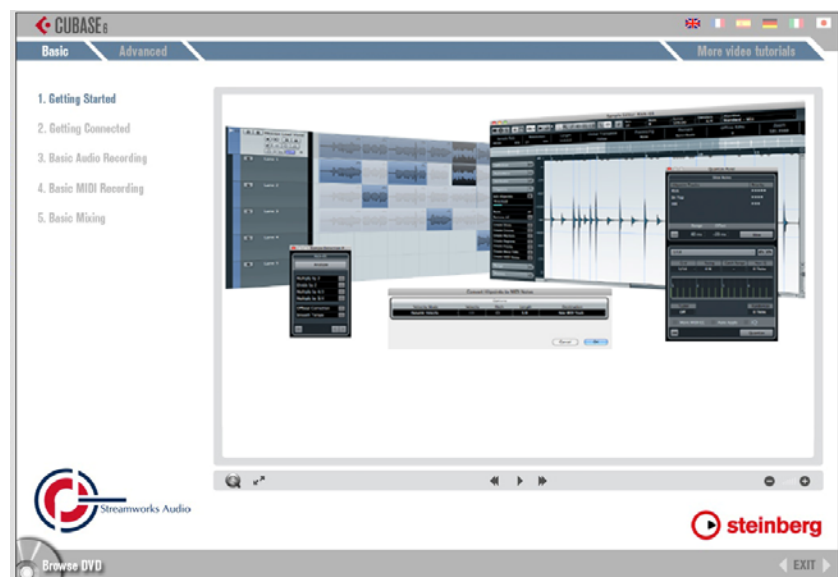


Because the enhanced Quick Control functionality is paired with the MIDI Learn mode, parameters can now be directly assigned to a Quick Control by simply right-clicking a VST 3 plug-in or instrument control. Alternatively, you can also use the Quick Control's "Learn mode" button to assign a plug-in or instrument's control to an empty Quick Control slot.



In-depth video tutorials included

Cubase 6 features more than two hours of detailed video tutorials produced by the experts of Streamworks Audio. Ranging from step-by-step instructions for beginners to advanced workflow and editing techniques, there's something in store for everyone — recorded in finest HD quality and included for free.



There's more to stay for



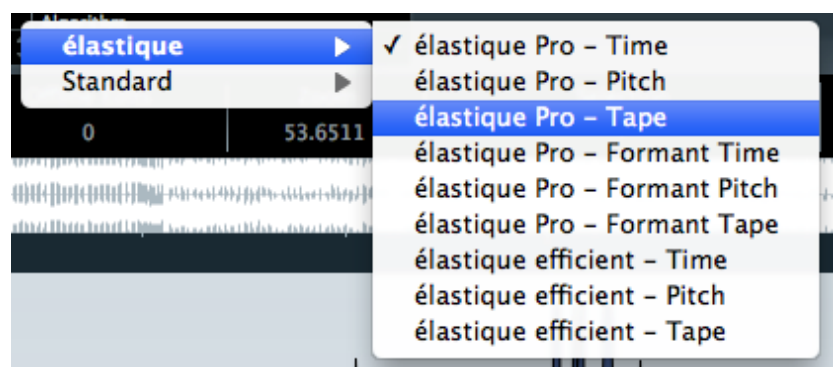
Cubase 6 comes with many new and exciting features that make the latest incarnation of Cubase possibly the most comprehensive DAW to date. But it's also all the small details that have been refined or newly introduced that make the overall Cubase experience not only more powerful but truly inspiring.

Global project compatibility between Cubase 6 derivatives

Ensure seamless project compatibility between all Cubase 6 derivatives and exchange projects with other studios or friends that run a smaller Cubase 6 version (such as Cubase Artist 6). The sixth version of Cubase allows for overall project consistency so users of different Cubase 6 versions can read and work on the same project — absolutely hassle-free.

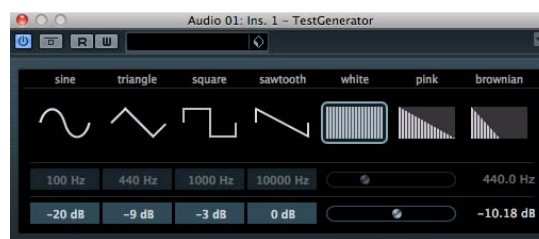
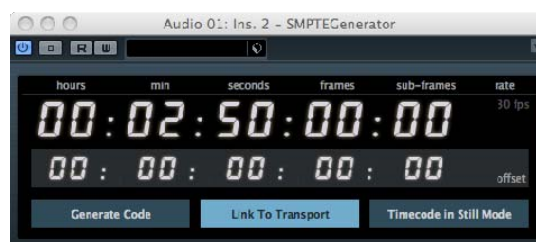
Pristine time-stretching algorithms

The stunning zplane algorithms in Cubase 6 have been customized for tonal, complex, single and percussive audio material. These algorithms are optimized for extreme time-stretching so you will be amazed how good they sound. This is one jaw-dropping tool you won't want to miss after the first try.



New plug-in generation

Cubase 6 includes redesigned and extended VST 3 versions of some of Steinberg's most popular, first-class VST 2 plug-ins: the powerful De-esser, the greatly enhanced Surround Panner*, Mixer Delay, SMPTE Generator, Mix 6 to 2 and the really useful Test Generator.



Take your MediaBay with you

With Cubase 6, you can now store the loops and samples in your MediaBay on external USB hard drives. Take your content along with you and call it up within another MediaBay with no further indexing required.

The latest MediaBay version also sports a new Mini Browser which displays all the information you need at a glance.



Notepad track data export

This useful feature lets you export all information stored in each track's Notepad as one consolidated text file so you don't have to open numerous files to find the data you're looking for.