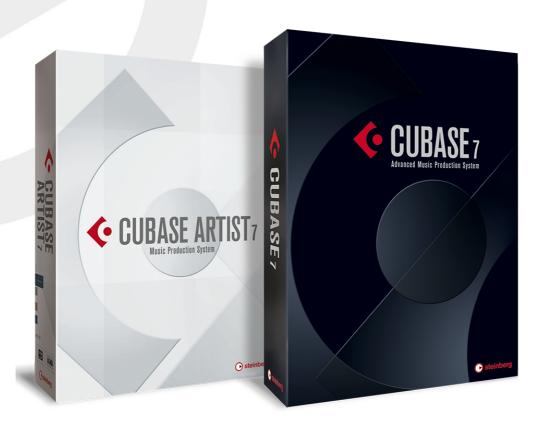# Cubase 7

# Cubase Artist 7

**Comparison chart**

Steinberg Media Technologies GmbH

**Version 1.0**

November 2012

# Cubase 7 / Cubase Artist 7 extensive comparison chart

✔ Full feature     ✔ Limited feature

| BASICS | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Number of audio tracks | unlimited | 64 |
| Number of MIDI tracks | unlimited | 128 |
| Number for instrument tracks | unlimited | 32 |
| Physical inputs and outputs | 256 | 32 |
| Group channels | 256 | 32 |
| FX send channels | 8 | 8 |
| FX return channels | 64 | 64 |
| VST audio effect insert slots | 8 | 8 |
| MIDI effect insert slots | 4 | 4 |
| VST instrument slots | 64 | 32 |
| Number of mixer views | 3 | 1 |
| Number of included MIDI effect plug-ins | 18 | 18 |
| Number of included audio effect plug-ins | 66 | 46 |
| Number of included VST instruments | 8 | 8 |
| Number of included instrument sounds | 2,808 | 2,415 |
| Printed Quick Start Guide | ✔ | ✔ |
| Derivate project compatibility | ✔ | ✔ |

| FORMATS & SUPPORT | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| OMF import/export | ✔ | |
| Sequel 2 project import | ✔ | ✔ |
| Native Cubase 64-bit version for Windows 7 and Mac OSX 10.7 | ✔ | ✔ |
| Studio connections | ✔ (Recall& Studio) | ✔ (Recall) |
| Full Fraunhofer MP3 encoding | ✔ | ✔ (Add-on) |
| Windows Media WMA Pro encoding | ✔ | ✔ |
| Multi-processing support | ✔ | ✔ |
| Mac OS X Universal Binary | ✔ | ✔ |
| VST 3 plug-in support | ✔ | ✔ |
| VST 2.4 plug-in support | ✔ | ✔ |

| FORMATS & SUPPORT | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| ReWire support (32/64 bit) | ✓ | ✓ |
| Zplane Elastique time stretching algorithms | ✓ | ✓ |
| FLAC support | ✓ | ✓ |
| Nuendo/Nuendo Live project import | ✓ | |

| WORKFLOW | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| External instruments | ✓ | ✓ (only with Yamaha Motif) |
| External effects | ✓ | |
| MIDI devices (device maps and editors) | ✓ | |
| Track archives | ✓ | |
| Batch export | ✓ | |
| Workspaces (virtual desktops) | ✓ | ✓ |
| Project Browser | ✓ | |
| Pool import and export | ✓ | |
| Enhanced track Quick Controls | ✓ | ✓ |
| Inplace Editor (MIDI editing in Project window) | ✓ | ✓ |
| Logical Editor (incl. Project) | ✓ | |
| Offline process history | ✓ (for built-in audio & plug-ins) | ✓ (for built-in audio) |
| MediaBay and VST Sound support | ✓ | ✓ |
| Unlimited undo and redo | ✓ | ✓ |
| Track presets | ✓ | ✓ |
| Assignable key commands and key macro commands | ✓ | ✓ |
| Extended Track Inspector (display VSTi channels for MIDI tracks) | ✓ | ✓ |
| Extended Freeze for VST instruments and audio tracks | ✓ | ✓ |
| Track Edit Groups | ✓ | |
| New scaling tools for Automation and Controller Lane Editing | ✓ | ✓ |

| RECORDING & MIXING | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| Control Room | √ | |
| Extended channel EQ (VST3 Studio EQ) | √ | √ |
| 5.1 surround and true multichannel audio path | √ | |
| Recording from buses | √ | |
| Extended Mixer view | √ | √ |
| Sidechain inputs | √ | √ |
| Volume envelopes | √ | √ |
| Automation panel | √ | |
| Recording modes: Mix, Overwrite, Normal, Merge, Stacked | √ | √ |
| Automation modes: Touch, Crossover, Auto-Latch, Trim, Overwrite | √ | √ (touch fader) |
| Hardware controller support | √ | √ (no EuCon) |
| Award-winning 32-bit floating-point audio engine | √ | √ |
| Dithering Apogee UV22HR | √ | √ |
| Advanced comping | √ | √ |
| Channel strip modules | √ | √ |
| Channel Hi/Lo cut | √ | √ |
| Mixer full screen display | √ | √ |
| Peak/RMS meter integrated in mixer | √ | |
| Control Link – Channel parameter linking | √ | |
| Master Block Area | √ | √ |
| Channel visibility manager | √ | √ |
| Channel visibility agents | √ | √ |
| Mixer channel zones user configurable | √ | √ |
| Multiple Mixer link windows | √ | |
| EBU128/loudness meter integrated into mixer | √ | |
| Mixer channel inspector | Yes, free | Yes, free |
| Channel overview Area | √ | √ |
| Channel Meter Bridge | √ | √ |
| Track/Channel search | √ | |
| Remote Control Editor | √ | √ |

| COMPOSING & SEQUENCING | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| Extended options in Tempo Editor | ✓ | |
| Professional score layout and printing | ✓ | ✓ (basic only) |
| Global transpose track | ✓ | ✓ |
| Signature and tempo tracks in Project window | ✓ | ✓ |
| Expression Maps, VST Dynamics, Extended Output Mapping | ✓ | |
| Arranger track (pattern-based arranging) | ✓ | ✓ |
| Key Editor (incl. new Key Editor Inspector) | ✓ | ✓ |
| Drum Editor | ✓ | ✓ |
| List Editor | ✓ | ✓ |
| Audio tempo detection tools | ✓ | |
| Note Expression | ✓ | ✓ |
| Chord Track | ✓ | ✓ |
| Chord editing tool in key editor | ✓ | ✓ |
| Hermode tuning | ✓ | ✓ |
| Chord assistant | ✓ | |
| MIDI logical editor extensions supporting chord events/scales | ✓ | |

| AUDIO EDITING | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| VariAudio 2.0 | ✓ | |
| Time Warp tool | ✓ | |
| AudioWarp (real-time time stretching and pitch shifting) | ✓ | ✓ |
| Pitch shifting and time stretching algorithm | ✓ (real-time & MPEX) | ✓ (real-time & MPEX) |
| Extended Audio Quantize | ✓ | |

| AUDIO EFFECTS | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| AmpSimulator | ✓ | ✓ |
| AutoPan | ✓ | ✓ |
| Bitcrusher | ✓ | ✓ |
| Brickwall Limiter | ✓ | ✓ |
| Chopper | ✓ | ✓ |

| AUDIO EFFECTS | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Chorus | ✔ | ✔ |
| Cloner | ✔ | |
| Compressor | ✔ | ✔ |
| DaTube | ✔ | ✔ |
| DJ-EQ | ✔ | ✔ |
| DeEsser | ✔ | |
| Distortion | ✔ | ✔ |
| DualFilter | ✔ | ✔ |
| EnvelopeShaper | ✔ | ✔ |
| Expander | ✔ | |
| Flanger | ✔ | ✔ |
| Gate | ✔ | ✔ |
| GEQ-10 | ✔ | ✔ |
| GEQ-30 | ✔ | |
| Grungelizer | ✔ | ✔ |
| Limiter | ✔ | ✔ |
| Maximizer | ✔ | ✔ |
| Metalizer | ✔ | ✔ |
| MIDI Gate | ✔ | ✔ |
| Mix6to2 | ✔ | |
| MixConvert | ✔ | |
| Mixer Delay | ✔ | |
| ModMachine | ✔ | |
| MonoDelay | ✔ | ✔ |
| MonoToStereo | ✔ | ✔ |
| MorphFilter | ✔ | ✔ |
| MultibandCompressor | ✔ | |
| MultiScope | ✔ | |
| Octaver | ✔ | ✔ |
| Phaser | ✔ | ✔ |
| PingPongDelay | ✔ | ✔ |
| Pitch Correct | ✔ | ✔ |
| REVerence | ✔ | |
| RingModulator | ✔ | ✔ |
| Roomworks | ✔ | |
| Roomworks SE | ✔ | ✔ |

| AUDIO EFFECTS | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Rotary | ✓ | ✓ |
| SMPTE Generator | ✓ | |
| SoftClipper | ✓ | |
| Standard Channel EQ | ✓ | ✓ |
| StepFilter | ✓ | ✓ |
| StereoDelay | ✓ | ✓ |
| StereoEnhancer | ✓ | ✓ |
| StudioChorus | ✓ | |
| StudioEQ | ✓ | ✓ |
| Surround Panner | ✓ | |
| Test Generator | ✓ | |
| ToneBooster | ✓ | ✓ |
| Tranceformer | ✓ | ✓ |
| Tremolo | ✓ | ✓ |
| Tube Compressor | ✓ | ✓ |
| Tube/Tape Saturation | ✓ | ✓ |
| Tuner | ✓ | ✓ |
| UV22HR | ✓ | ✓ |
| Vibrato | ✓ | ✓ |
| VintageCompressor | ✓ | |
| Voxengo Curve EQ | ✓ | |
| VST Amp Rack | ✓ | ✓ |
| VST Connect SE | ✓ | |
| VSTDynamics | ✓ | ✓ |
| WahWah | ✓ | ✓ |

| VIRTUAL INSTRUMENTS | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Padshop | ✓ | ✓ |
| Groove Agent ONE 1.2 | ✓ | ✓ |
| LoopMash 2 | ✓ | ✓ |
| Retrologue | ✓ | ✓ |
| Prologue | ✓ | ✓ |
| Spector | ✓ | ✓ |
| Mystic | ✓ | ✓ |
| HALion Sonic SE | ✓ | ✓ |

| MIDI PLUG-INS | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| Arpache 5 | ✓ | ✓ |
| Arpache SX | ✓ | ✓ |
| Auto LFO | ✓ | ✓ |
| Beat Designer | ✓ | ✓ |
| Chorder | ✓ | ✓ |
| Compressor | ✓ | ✓ |
| Context Gate | ✓ | ✓ |
| Density | ✓ | ✓ |
| Micro Tuner | ✓ | ✓ |
| MIDI Control | ✓ | ✓ |
| MIDI Echo | ✓ | ✓ |
| MIDI Modifiers | ✓ | ✓ |
| MIDI Monitor | ✓ | ✓ |
| Note 2 CC | ✓ | ✓ |
| Quantizer | ✓ | ✓ |
| StepDesigner | ✓ | ✓ |
| Track Control | ✓ | ✓ |
| Tranceformer | ✓ | ✓ |

| ADVANCED INTEGRATION FEATURES | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| Automatic integration through IEEE1394 (MR816 X, MR816 CSX, CC121, MOTIF XS) | ✓ | ✓ |
| True Integrated Monitoring – 1:1 mixer mapping (MR816 X, MR816 CSX) | ✓ | ✓ |
| True Integrated Monitoring – multiple studio mixes (MR816 X, MR816 CSX) | ✓ | |
| Quick Connect (MR816 X, MR816 CSX) | ✓ | ✓ |
| Monitor mixer integration (MR816 X, MR816 CSX) | ✓ | ✓ |
| HW setup integration (MR816 X, MR816 CSX) | ✓ | ✓ |
| Plug-in integration of DSP effects (MR816 X (REV-X only), MR816 CSX) | ✓ | ✓ |
| VST connection presets (MR816 X, MR816 CSX) | ✓ | ✓ |

| ADVANCED INTEGRATION FEATURES | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Plug-in integration of MOTIF XS series voice editor (MOTIF XS) | √ | √ |
| Control Room control (CC121) | √ | |
| AI Knob control (CC121) | √ | √ |
| External VST3 support – MIDI+audio (MOTIF XS) | √ | √ |
| VST instrument preset browser access (KX) | √ | √ |
| Track Quick Controls support (KX) | √ | √ |

| NUAGE INTEGRATION | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| CTH/FDH function control | √ | |
| Label pane for FDH | √ | |
| System architecture for Nuage | √ | |
| Wheel based editing | √ | |

| SCORING FEATURES | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Editing parts on different tracks | √ | √ |
| Extended Toolbar with Note Value buttons and Enharmonic Shift modes | √ | √ |
| Editing the display options of the active staff, incl. staff mode "Single" or "Split" | √ | √ |
| Setup Display Quantize | √ | √ |
| Setup Clef and Key | √ | √ |
| Setup Interpretation Options | √ | √ |
| Recording notes | √ | √ |
| Entering notes with mouse, select, move, delete, duplicating, changing note lengths | √ | √ |
| Flip stems | √ | √ |
| Adding text | √ | √ |
| Changing text font, size, style | | |
| Printing (without Layout) | √ | √ |
| Insight how Score and MIDI relate in detail to each other | √ | |
| Exception handling for Display Quantize incl. Rests | √ | |

| SCORING FEATURES | Cubase 7 | Cubase Artist 7 |
|---|---|---|
| Page Mode (displays the Score as it appears in print-out, adds features directly related to hoe score is displayed and printed) | √ | |
| Features Zoom Tool, Navigation controls, Page Setup | √ | |
| Inspector for Symbols | √ | |
| Filter bar for Bar Handles, Hidden Notes, Quantize, Layout tool, Grouping, Cutflags, Split Rests, Stems/Beams) | | |
| Graphic H/V ruler with selectable units (points, inches, centimeters) | √ | |
| Position Info window | √ | |
| Settings for clef, key, time signatures | √ | |
| Extensive Score Settings window with Project, Layout, Staff andText setups | √ | |
| Various context-menu functions | √ | |
| Display Transpose | √ | |
| Printing as note sheets, export as image files | | |
| Features for transcribing MIDI recording | √ | |
| Staff presets | √ | |
| Entering notes with computer keyboard | √ | |
| Features for polyphonic voicing | √ | |
| Feaures for proper formatting | √ | |
| Note head shapes | √ | |
| Note coloring | √ | |
| Automatic note grouping | √ | |
| Diverse score appearance settings | √ | |
| Grace notes | √ | |
| Features for working with tuplets | √ | |
| Features for working with symbols and layers | √ | |
| Bezier slurs | √ | |
| Features for creating trills | √ | |
| Guitar symbols, chords | √ | |
| Working with Dynamics and symbols | √ | |

| SCORING FEATURES | Cubase 7 | Cubase Artist 7 |
|---|:---:|:---:|
| Creating user symbols | √ | |
| Working with chords | √ | |
| Working with text | √ | |
| Working with layouts | √ | |
| Working with Music XML (Import, export, etc.) | √ | |