

SONAR X2 Feature detail:			
	Essential	Studio	Producer
Core functionality:			
Maximum number of audio & instrument tracks	64	Unlimited	Unlimited
Maximum number of MIDI tracks	Unlimited	Unlimited	Unlimited
Allowed simultaneous input/output	Unlimited	Unlimited	Unlimited
Number of busses	16	Unlimited	Unlimited
Number of audio plugins per project	16	Unlimited	Unlimited
Number of effects sends per project	5	Unlimited	Unlimited
Maximum sample rate	384kHz	384kHz	384kHz
Maximum bit rate	64-Bit	64-Bit	64-Bit
Internal Mix Engine resolution	64-Bit	64-Bit	64-Bit
ReWire 64 support	X	X	X
Groove Clip support (follow tempo & pitch)	X	X	X
Native 64/32-bit windows support	X	X	X
Windows 8 support (via free update)	X	X	X
Windows 8 Multi-touch support (via free update)	X	X	X
Software language support	EN-DE-FR-ES-IT-JA-ZH	EN-DE-FR-ES-IT-JA-ZH	EN-DE-FR-ES-IT-JA-ZH
Online Help language support	EN-DE-FR-JA-ZH	EN-DE-FR-JA-ZH	EN-DE-FR-JA-ZH
			
	Essential	Studio	Producer
Tools & Editing:			
Skylight interface	X	X	X
Drag and drop to/from browser	X	X	X
Screensets	X	X	X
Smart Tool	X	X	X
Smart Grid	X	X	X
Drag & Drop replace synth/effects	X	X	X
Take Lanes	X	X	X
Automation Lanes	X	X	X
ACT (Active Controller Technology)	X	X	X
WAI (Where Am I?) controller support	X	X	X
Per MIDI track Arpeggiator	X	X	X
Input Quantize (non-destructive)	X	X	X
Quantize (destructive)	X	X	X
Unlimited undo	X	X	X
Audio Snap		X	X

SONAR X2 comparison:	 Essential	 Studio	 Producer
Views:			
Track/Clips	X	X	X
Matrix	X	X	X
Inspector	X	X	X
Event list	X	X	X
Browser	X	X	X
MultiDock	X	X	X
Tempo	X	X	X
Loop Construction	X	X	X
Staff	X	X	X
Step Sequencer	X	X	X
Console	X	X	X
Piano Roll	X	X	X
Markers	X	X	X
Video	X	X	X
Navigator	X	X	X
Full screen mode	X	X	X
SONAR X2 comparison:	 Essential	 Studio	 Producer
Formats:			
Wave and Broadcast Wave (time stamped)	X	X	X
WMA, WAV, W64, ASF	X	X	X
AIFF, CAF, SD2	X	X	X
FLAC, RAW	X	X	X
MP3 (via SoundCloud)	X	X	X
MP3 encoder (30 day trial)	X	X	X
Loop formats - Wav, ACID, Rex, Rex64	X	X	X
AVI, QT, MPEG Video import & export	X	X	X
CD burning	X	X	X
Dithering on export	X	X	X
SMPTE/MTC		X	X
SoundCloud integration	X	X	X
Surround mixing & plugin support via Surround Bridge		X	X
MusicXML Export	X	X	X

SONAR X2 comparison:	 Essential	 Studio	 Producer
Virtual Instruments:			
32/64 bit VSTi and DXi support	X	X	X
Bit Bridge (allow 32-bit plugins within 64-bit install)	X	X	X
Virtual Instruments (total)	11	18	20
Instrument highlights:			
<i>Studio Instruments</i>	X	X	X
<i>Z3TA+ Classic</i>		X	X
<i>Rapture</i>	LE	LE	Full
<i>Dimension</i>	LE	LE	Pro
<i>Session Drummer 3</i>			X
Audio and MIDI Effects:			
32/64 bit VST, DXi and MFX support	X	X	X
Surround Bridge		X	X
Audio & MIDI effects (total)	38	50	59
Effects highlights:			
<i>External insert via soundcard I/O</i>		X	X
<i>TH2 SONAR</i>	X	X	
<i>TH2 Producer</i>			X
<i>FX Chains 2.0</i>	X	X	X
<i>Essential Effects Suite</i>	X	X	X
<i>Studio Effects Suite</i>		X	X
<i>Roland V-Vocal</i>		X	X
<i>Producer Effects Suite</i>			X
<i>LP-64 Multiband compressor and LP-64 EQ</i>			X
<i>R-MIX SONAR</i>			X
<i>ProChannel FX Chains</i>			X
<i>ProChannel Console Emulator (every track & bus)</i>			X
<i>QuadCurve EQ</i>			X
Additional content:			
Included FX Chains	48	76	160
Included loops (number)	1,758	3,032	4,246
Included loops (size)	962mb	2.95gb	5.14gb
Included one shots (number)	552	552	969
Included one shots (size)	278mb	278mb	353mb
ProChannel Presets	-	-	20
Project Templates	7	8	12
PTN MIDI Patterns	221	1,802	1,802
Track Templates	287	287	340
Drum maps	547	547	547
Arpeggiator files	521	521	521
MIDI Groove Clips	1,090	1,090	1,090
Step Sequencer Patterns	65	65	65

SONAR X2 effects comparison:	 Essential	 Studio	 Producer
Essential Effects:			
Alias Factor	X	X	X
Classic Phaser	X	X	X
Stereo Compressor/Gate	X	X	X
HF Exciter	X	X	X
Modfilter	X	X	X
Para-Q Parametric EQ	X	X	X
Tempo Delay	X	X	X
Multivoice Chorus/Flanger	X	X	X
Studioverb2	X	X	X
Bit Meter	X	X	X
Analyst	X	X	X
Spectra FX	X	X	X
FX Chorus	X	X	X
FX Delay	X	X	X
FX EQ	X	X	X
FX Flange	X	X	X
FX Reverb	X	X	X
FX Compressor/Gate	X	X	X
FX Limiter	X	X	X
Amp Sim	X	X	X
Tape Sim	X	X	X
Pitch Shifter	X	X	X
Chorus	X	X	X
Delay	X	X	X
Reverb	X	X	X
Boost 11	X	X	X
Sonitus EQ	X	X	X
Sonitus Reverb	X	X	X
TH2 SONAR	X	X	
Studio Effects:	All effects included in Essential <i>plus</i> :		
TL-64 Tube Leveler		X	X
TS-64 Transient Shaper		X	X
Channel Tools		X	X
Sonitus FX Suite:			
Compressor		X	X
Delay		X	X
EQ		X	X
Gate		X	X
Modulator		X	X

Multiband Compressor		X	X
Phase		X	X
Reverb		X	X
Surround Panner		X	X
Surround Compressor		X	X
Wah Wah		X	X
Producer Effects:	All effects included in Studio & Essential <i>plus</i> :		
R-MIX SONAR			X
TH2 Producer			X
BREVERB SONAR			X
Perfect Space Convolution Reverb			X
LP-64 Multiband compressor and LP-64 EQ			X
PX-64 Percussion Strip			X
VX-64 Vocal Strip			X
VC-64 Vintage Channel			X
Modular ProChannel			X
ProChannel Modules:			
<i>FX Chains 2.0 ProChannel Modules</i>			X
<i>Console Emulation</i>			X
<i>Softube Saturation Knob</i>			X
<i>QuadCurve EQ</i>			X
<i>Tube Saturation</i>			X
<i>PC4K S-Type Bus Compressor</i>			X
<i>PC76 U-Type Compressor</i>			X

SONAR X2 Instrument comparison:	 Essential	 Studio	 Producer
<i>Essential Virtual Instruments:</i>			
Cakewalk Sound Center	X	X	X
Dimension	LE	LE	Pro
Square I	X	X	X
Roland Groove Synth	X	X	X
Cakewalk TTS-1	X	X	X
DropZone	X	X	X
DreamStation	X	X	X
<i>Studio Instruments:</i>			
SI Drums	X	X	X
SI Bass	X	X	X
SI Strings	X	X	X
SI E Piano	X	X	X
<i>Studio Virtual Instruments:</i>	All instruments in Essential <i>plus</i>:		
Cyclone		X	X
Pentagon		X	X
PSYN		X	X
Rapture		LE	Full
RXP		X	X
Z3TA+ Classic		X	X
SFZ Player		X	X
<i>Producer Virtual Instruments:</i>	All instruments in Essential & Studio <i>plus</i>:		
All instruments in Studio and Essential			X
Rapture			X
Dimension Pro			X
TruePianos Amber			X
Session Drummer 3			X

SONAR X2 comparison:	 Essential	 Studio	 Producer
Producer Exclusives:			
<i>Effects:</i>			
R-MIX SONAR			X
TH2 Producer			X
BREVERB SONAR			X
Perfect Space Convolution Reverb			X
LP-64 Multiband compressor and LP-64 EQ			X
PX-64 Percussion Strip			X
VX-64 Vocal Strip			X
VC-64 Vintage Channel			X
ProChannel			X
<i>ProChannel Modules:</i>			
<i>ProChannel FX Chains</i>			X
<i>Console Emulation</i>			X
<i>Softube Saturation Knob</i>			X
<i>QuadCurve EQ</i>			X
<i>Tube Saturation</i>			X
<i>PC4K S-Type Bus Compressor</i>			X
<i>PC76 U-Type Compressor</i>			X
<i>Virtual Instruments:</i>			
Rapture			X
Dimension Pro			X
TruePianos Amber			X
Session Drummer 3			X
<i>Additional (retail version only):</i>			
\$50, £40, €50 coupon for use on www.cakewalk.com			X