



cakewalk
by Roland

The ultimate solution for music production

SONAR V-STUDIO 700

SONAR 8 PRODUCER VS-700C CONSOLE VS-700R I/O MODULE
INTEGRATED ROLAND FANTOM VS SYNTHESIZER RAPTURE V-LINK FOR VIDEO INTEGRATION



A NEW STORY BEGINS

A new era in music production begins with SONAR V-STUDIO 700



VS-700C V-STUDIO CONSOLE

Roland® Fantom VS
Hardware Synthesizer

VS-700R V-STUDIO I/O



SONAR 8 PRODUCER
+
RAPTURE



The original Roland V-STUDIO symbolized a new breed of digital studios that revolutionized music production. Launched in 1996, V-Studio created a huge sensation within the music industry. Due to its innovative design, musicians were able to take control of their music in new ways. Regarded as a milestone in the history of recording equipment, V-STUDIO had a lasting impact on the way musicians create music.

With the popularity of computer-based music production upon us, the next generation SONAR V-STUDIO 700 has taken innovative design to the next level to meet the demands of today's audio professionals. With the most complete integration of hardware and software ever, SONAR V-STUDIO 700 has once again raised the bar for all other integrated music production systems on the market today.

Roland pioneered the concept of combining hard disk recording with an ergonomic control surface. Now, a new generation of V-STUDIO builds on its legacy in new and innovative ways—combining Roland's renowned hardware expertise with the power and flexibility of Cakewalk's SONAR Producer digital audio workstation.

SONAR V-STUDIO 700 matches SONAR 8 Producer with an ergonomically designed control surface, a flawless sounding audio interface with an onboard Fantom hardware synthesizer, and the award-winning Rapture virtual instrument. SONAR V-STUDIO 700 represents the first and flagship product in the next generation V-STUDIO line and the ultimate solution for music production.

It is an innovative new concept from Cakewalk and Roland, who continue to create new standards for the next generation.

Read on to learn how SONAR V-STUDIO 700 will transform your music production forever.

The ultimate solution for music production SONAR V-STUDIO 700

Striving to create an ideal music production environment, Cakewalk and Roland® have built the ultimate DAW system integrated with high-end tools.

Cakewalk and Roland selected only the very best components in designing SONAR V-STUDIO 700. At the heart of the system is SONAR 8 Producer, the leading DAW in the market today. SONAR 8 Producer gives you everything you need for recording, composing, editing, mixing, and mastering. Cakewalk's flagship instruments, Dimension Pro (included in SONAR 8 Producer) and Rapture, are also part of the software package.

The software is intelligently matched with state-of-the-art hardware that meets Roland's high standards of quality and reliability. It includes the VS-700C V-STUDIO Console multifunction control surface and VS-700R V-STUDIO 18/24 I/O audio interface which has an integrated Roland Fantom VS hardware synthesizer based on the world-renowned Fantom synthesizer.

Taken as a whole, SONAR V-STUDIO 700 offers the "tactile feel" of working in a traditional studio, but in a way that takes advantage of everything modern technology has to offer. The system represents the best that software and hardware have to offer with amazing control, integration, and sound quality.

CONTROL SURFACE

▶▶▶ VS-700C V-STUDIO CONSOLE

The VS-700C Console offers broader ranging control and deeper editing and mixing functionality for SONAR than any control surface on the market today



DAW SOFTWARE

▶▶▶ SONAR 8 PRODUCER

The critically acclaimed SONAR 8 Producer digital audio workstation is renowned for its music creation features and industry leading 64-bit audio engine

- Complete solution—from creation to delivery
- Best audio quality in industry—64-bit end-to-end processing
- Inspiring tools for creative production
- Fast and accurate audio & MIDI editing
- 49 effects/15 instruments including Dimension Pro and the full version of Rapture



SEQUENCING

MUSIC PRODUCTION

SONAR 8 PRODUCER

MASTERING

RECORDING

SOUND DESIGN

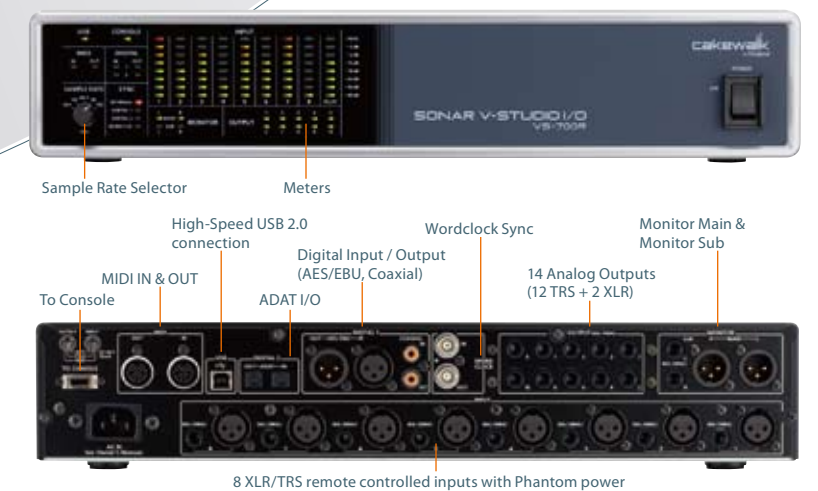
VS-700R

I/O & SYNTH MODULE

▶▶▶ VS-700R V-STUDIO I/O

High-speed USB 2.0 audio interface that provides all the recording and routing capabilities needed to handle any music production task. It also includes an onboard hardware synthesizer

- 20/26 (18/24 simultaneous) audio interface
- Superior 24-bit/192 kHz A/D converters for high-definition audio recording with flawless sound quality
- Features the same digitally controlled mic preamps found in the Roland V-Mixer M-400
- Integrated Roland Fantom VS Hardware Synthesizer stocked with over 1,400 sounds
- One ARX expansion board slot for adding additional Roland SuperNATURAL™ sounds



RECORDING

Preserve every nuance of your recording using the VS-700R 24-bit/192 kHz I/O. With 18 inputs and 24 outputs, you can capture any performance—from solo artists to large bands. Set-up is hassle free and easy with only one cable to connect to the control surface and one cable to connect to the computer.

VS-700R can be used for any professional recording purpose

- Includes eight TRS/XLR Phantom power analog inputs, 14 analog outputs, digital I/O (AES/EBU, S/PDIF), ADAT digital I/O, MIDI I/O, and Wordclock I/O
- 8 digitally remote controlled mic preamps
- High quality input DSP including Phase, Pad, Low-cut, EQ, and Compressor
- High-speed USB 2.0 with low latency performance
- Increase I/O capability of the V-STUDIO 700 system to 37/48 (simultaneous) with an additional VS-700R I/O unit (sold separately)

Record pristine audio

- Supports 24-bit/192kHz audio
- Offers high-definition recording
- Features the same high performance mic preamps found in the Roland V-Mixer M-400
- Each analog channel features its own compressor
- Record directly into SONAR's 64-bit end-to-end audio engine and preserve your signal flow all the way through the final mixing and mastering process



Mic Preamp Settings
Easily access the eight digitally controlled mic preamps in the VS-700R through the VS-700 Control Panel in SONAR and add digital effects such as LF Cut, Compressor and Pad on each channel. Easily save your settings as presets to use at a later time.

Recording is easier than ever with SONAR V-STUDIO 700's flexible monitor settings

- With two main monitor outs, easily switch between monitors and speakers
- Dual headphone output
- Independent volume control for monitors and headphones
- Direct monitoring through the VS-700R I/O including a direct monitor mixer



Direct Mix Settings
The VS-700R Direct Mixer settings are available through the VS-700 Control Panel in SONAR. The volume, mix, and pan controls can be adjusted for each channel to help achieve a balanced mix.

Take full advantage of the high-quality VS-700R I/O hardware with SONAR's advanced recording options and features

- Support for the VS-700R's 24-bit/192kHz sampling rate
- End-to-end 64-bit double precision floating point engine
- Capture all of your ideas with unlimited tracks of audio and MIDI
- Essential recording tools like Confidence Recording, Punch In, loop recording, and more
- Experience high track and low latency performance, even with large projects



Track View

Configurable Console View

MUSIC PRODUCTION

SONAR V-STUDIO 700 starts your productions off with the best out of the box sounds you'll find anywhere. With preset track templates, instantly pull up amazing sounds from included virtual instruments like Beatscape, Rapture, Z3TA+ and Dimension Pro. And with the legendary Roland Fantom hardware synth built right into the I/O, you have countless of inspiring instruments to choose from to sculpt your own original beats and sound.

The integrated Fantom VS Hardware Synthesizer

- World-renowned Fantom VS Hardware Synthesizer loads inside of SONAR as a hardware VSTi
- Stocked with over 1,400 sounds
- Features the same sounds found in the legendary Roland® Fantom synthesizer
- Provides powerful synthesis with low latency and low-CPU performance
- One ARX expansion board slot for additional SuperNATURAL™ sounds



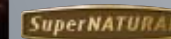
Fantom VS Editor Screen
The Fantom VS Editor can be accessed directly from SONAR

- Edit up to 20,000 parameters for any of the 1,400 patches to create your own unique sounds
- The editor's seamless integration inside SONAR brings the world of hardware and software together like never before
- Plugs into SONAR just like a VST synth

Additional Sounds with ARX Series



ARX-01 DRUMS
ARX-02 ELECTRIC PIANO
ARX-03 BRASS



The ARX series Expansion Board is powered by Roland's proprietary SuperNATURAL™ sound technology for organic, emotional expression. Optimized effects and custom graphic interfaces are exclusive to the ARX series. The ARX allows you to create unique instruments with the highest-quality sounds and organic control.

SONAR includes stunning virtual instruments that are perfect for creating music across any style or genre of music

SONAR 8 Producer includes the best collection of virtual instruments found in any DAW. Whether you're looking for acoustic or electric instrument sounds, emulations of classic gear, modern synthesized tones, drums, or a groovebox, you need to look no further than SONAR 8.

- 15 virtual instruments including synthesizers, samplers, multi-timbral sounds modules, as well special piano and drum sound modules
- Classic synths like Z3TA+ 1.5 as well as award-winners like Rapture and Dimension Pro
- Use SONAR's Step-sequencer to create beats, grooves, and lines



DIMENSION PRO
Add real and synthesized instrument sounds to your songs. It includes 7 GB of content, 2200+ programs, plus the Digital Sound Factory Vol. 2 Classic Keys Pack.



RAPTURE
Includes over 1300 sound programs and extensive sound manipulation capabilities. Perfect for today's pop, dance, and electronic music.



BEATSCAPE
One-of-a-kind looping instrument that features 16 pads, 16 step generators, and 48 effects. Trigger loops, create fresh remixes, or get an original beat going for your song.



TRUE PIANOS AMBER
Based on physical modeling, TruePianos offers realistic piano sounds, superb playability, and acoustic-style responsiveness with low CPU usage for optimal performance.

EDITING

The VS-700C V-STUDIO Console offers hands-on control of your editing without ever having to use your mouse. With tight integration inside of SONAR, you can make precision edits quickly without ever breaking your workflow. And SONAR 8 Producer includes exclusive technologies like AudioSnap, V-Vocal, Smart MIDI Tools, and Active Controller Technology that allow you to make pinpoint edits quickly.

The Channel Strip Control is equipped with 12 rotary encoders which allow users to control various parameters

- The Channel Strip Control section allows users to control the inline EQ and Sends on selected channel strips or any plug-in on that channel
- Each plug-in parameter can be controlled through SONAR's ACT (Active Controller Technology)
- Rotary encoders are automatically remapped when switching between plug-ins
- Use Channel Branch to control all sends on a selected track simultaneously



Select from various SONAR controls using 16 different buttons in the Access Panel

- VIEW buttons give users quick one-touch access to various SONAR windows like Console, AudioSnap, Piano Roll, more
- UTILITY buttons give users access to many common edit functions like Cut, Copy, Paste, Delete, Split, more



Access Panel Screen

Customize the Access Panel through the VS-700 Control Panel inside of SONAR to work exactly the way you want. You can map any of the 16 assignable buttons to SONAR commands or raw keystrokes.

V-Vocal is a powerful vocal editing tool which allows users to freely edit vocals

- Powerful vocal processing: automatic pitch correction, vibrato, and more
- Based on Roland VariPhrase technology
- Adjust phrasing, time, and dynamics of vocals
- Pitch to MIDI conversion allows you to create new synth parts based on monophonic audio



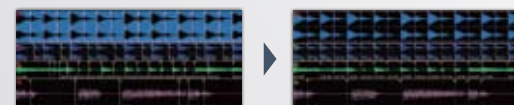
SONAR V-STUDIO 700 offers unique and powerful editing features that give users complete control over their project inside of SONAR 8, whether they are using the control surface or a mouse

- Easily cut, copy, and slip-edit your projects in SONAR using the control surface
- Apply clip-based fades and crossfades
- Quickly time stretch your audio with powerful algorithms from iZotope Radius
- Roll out groove, ACID, and MIDI loops
- Use the jogwheel on the control surface to scrub audio
- Access other powerful editing features in SONAR including Track Layers, Comping, AudioSnap, and more



Track Layers

Assemble the perfect take from Track Layers using powerful comping and editing tools.



Beat Sync (Multitrack)

Manipulate the timing and feel of audio, just like MIDI, with AudioSnap. Quantize and fix audio timing without slicing up or destructively editing your audio. Quantize one part at a time or even an entire project at once. Change the tempo or draw in changes from the Tempo View with all selected audio tracks following the project tempo. Perfect for fixing drums, vocals, and other takes that have timing issues, making dance remixes, and even setting audio to video.

MIXING & MASTERING

VS-700C V-STUDIO Console's familiar hardware interface gives you such deep hands on control of your mixing that you might even forget that you're working with a computer. And with 49 effects included in SONAR, and a 64-bit mix engine, your final mixes will get that final polish they need.

With 100mm touch sensitive motorized faders and powerful features for control, the VS-700C lets you mix just the way you want

- The Channel Strip section is equipped with eight motorized touch sensitive faders
- Control eight different tracks and busses at once and switch between tracks with the Bank Button
- Lock any channel to a fader even when changing banks
- Each channel is equipped with a rotary encoder and separate MUTE, SOLO, ARM (record enable), and SEL (Select) buttons
- Access commonly used tools such as an Automation Button, T-Bar, and Jog/Shuttle Wheel



A professional mixing and mastering environment allows you to deliver final projects using SONAR's industry-leading sound quality

Retain every nuance of your mix with the industry's leading 64-bit audio engine. SONAR achieves this unmatched level of audio quality by providing spacious amounts of headroom or footroom through extended dynamic range. Realize more definition in your mix through the improved summing and pristine digital signal path provided by 64-bit mixing. And SONAR's 64-bit mix engine is seamless and accessible even on 32-bit computers.



Peak Marker

SONAR helps you monitor mix problems by giving you the priceless visual feedback you need to fix it in the mix. Locate and see the value of the maximum peak of each audio track, synth, or bus. Quickly find all the overs and peaks in your project to maximize output and prevent clipping.

Mix and master with a suite of 49 powerful plug-in effects

- An impressive lineup of effects including Reverbs, EQs, Modulation, Delay, Amp Sim, and more
- Professional Linear Phase Mastering EQ and Multiband Compressor
- Easily integrate external hardware
- Insert effects directly from the VS-700C V-STUDIO Console
- Control SONAR's X-Ray function using the T-Bar
- Use the joystick to move individual windows inside of SONAR



TS-64 Transient Shaper

A powerful tool for sculpting the transient dynamics of any percussive based source material. Great for drum loops and percussion, electric and acoustic guitars, and piano.



TL-64 Tube Leveler

A line driver/leveling processor with advanced analog vacuum-tube circuit modeling algorithm. Add the unique qualities of tube color and warmth found in classic recordings.



LP-64 Mastering Multiband Compressor

It provides clean, clear non-smearing control over isolated bands for volume maximization or attenuation/limiting with superior linear phase technology.



LP-64 Mastering EQ

Put a professional sheen on your final mix. Get accurate processing and eliminate phase distortion that is common with parametric EQ.



VC-64 Vintage Channel

Sidechainable Channel strip, dynamics processor, EQ, and De-Esser that's been called "the magic bullet for your tracks" by many engineers.

POST PRODUCTION & SURROUND

The VS-700C V-STUDIO Console offers hands on control of your production environment with everything you need right at your fingertips. Use features like the surround joystick and T-bar for front/rear balance, LFE Send, and Width control. The console also allows you to quickly switch to video control mode with one click of a button and use the T-Bar, Jog & Shuttle Wheel, Transport, and more to control hardware such as EDIROL's DV-7 line of nonlinear video editors, or any video or image hardware with V-LINK support.

With features like a surround joystick, LFE send, and F/R balance the SONAR V-STUDIO 700 delivers the very best surround mixing experience

• SONAR V-STUDIO 700 is capable of mixing projects in over 30 different surround formats • The joystick works in conjunction with the SONAR Surround Panner for total control of your surround mix



Surround Panner



The VS-700C V-STUDIO console is perfect for switching back and forth between the audio and video worlds, and saves valuable space in your studio by eliminating the need for separate control surfaces

• SONAR V-STUDIO 700 was designed to offer a complete production environment for audio and video • Use the V-LINK Integration to control the EDIROL DV-7 video editor and other hardware with V-LINK support • Includes enhanced video sync and post production functions



DV-7DL Series

With one touch of a button you can put SONAR V-STUDIO 700 into video control mode. Use the jog wheel and T-Bar to control your video through V-LINK integration with the EDIROL DV-7 video editor. Switch back and forth between audio and video mode without skipping a beat.



V-LINK

The SONAR V-STUDIO 700 is compatible with any V-LINK supported hardware. This includes the DV-7 series video editors, EDIROL PCR series MIDI controllers, Fantom synthesizers, and much more.

ARTIST IMPRESSIONS

DALE RAMSEY



PROFILE

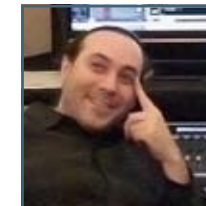
Credits include: Ludacris, Jay-Z, UGK, Jagged Edge, Earth Wind & Fire, Stevie Wonder, The Temptations, more.

"When I heard that Cakewalk and Roland were working on SONAR V-STUDIO 700 I was intrigued. My first exposure to Roland's original V-Studio was back in the day when my partner Joey P and I synced two VS-1680 units together at a time when everyone was using two inch tape and said you couldn't do that.

That first album, UGK's track for The Wood soundtrack, earned us Gold, and the VS continued to treat us well for a number of years.

Recording has changed since then and the world is ready for the next generation. SONAR V-STUDIO 700 nails it. You get a familiar hardware surface where you can mix and edit without touching your mouse, a great sounding I/O, SONAR's modern music production tools, plus a Roland Fantom synth! What more could an up and coming producer ask for? You need to check this out."

SHAWN CLEMENT



PROFILE

Shawn Clement, recipient of ASCAP's Most Played Underscore Award is a film, TV, and video game composer with credits to his name including Quantum Quest, Batman Vengeance, Buffy The Vampire Slayer, more.

"I was blown away when I received SONAR V-STUDIO 700 to score its teaser movie. I've known and loved SONAR's creative tools for years, and at last they've put together a complete solution. The surface matched with SONAR's ACT works the way you've always wanted a control surface to work. The Fantom VS and SONAR's other great synths give you every sound you could ever want. And it's all tied together seamlessly. It's everything you need, and will be the centerpiece of the new room in my studio."

ALAN BRANCH



PROFILE

Alan Branch is one of the most respected recording and mixing engineers in modern days. Recent credits include U2, Kaiser Chiefs, Jeff Beck, Herbie Hancock, Daniel Bedingfield, and Coldplay.

"SONAR V-STUDIO 700 features one of the best designed controllers I'd ever seen. The functionality looked awesome, well built, well laid out, and it looks great to use in a working studio. This time the designers have thought about how an engineer or artist is going to use it! By simply placing a "CTRL" button on the Console you can now operate the whole thing without a keyboard...at last! After an hour I was already tempted as it had functions I've been dreaming about for years. I only had a short time with SONAR V-STUDIO, from what I saw it looks like the times of a serious professional control surface are finally here!"

JAMES LOTT - SUN STUDIO



PROFILE

Sun Studio is the birthplace of rock n' roll and a national historic landmark. Sun Studio has seen some of the most important recording sessions ever including legends like Elvis Presley, B.B. King, Johnny Cash, U2, and Tom Petty.

For the past twenty years, Chief Engineer James Lott and his assistant engineer, Matt Ross-Spang, have been behind the controls at Sun Studio. They have used SONAR to record many popular acts including Liz Phair, Maroon 5, Matchbox Twenty, and Bowling for Soup.

Cakewalk made a trip to Memphis to show Lott and Ross-Spang SONAR V-STUDIO 700 and they were blown away by its tight integration with SONAR. "I actually have tactile feel again because I'm old-school and I love the feel of faders and knobs," says Lott. "This is the answer to my prayers."

For more artist impressions, visit www.sonarvstudio.com

SONAR V-STUDIO 700 integrates with industry leading technology to be the centerpiece of your productions

Live Recording

REAC®

Roland's unique REAC technology allows 40 channels of simultaneous live recording. Use SONAR V-STUDIO 700 to mix, edit, master, and deliver these projects

Post Production

Video Control

Audio for video projects including surround mixing, Foley, ADR, and scoring



DIGITAL VIDEO WORKSTATION DV-7DL Series

REAL TIME VIDEO PRESENTER PR Series

Performance

V-LINK

Music production for visual performances (VJ, presentations, etc.)



VIDEO MIXER V-8

VISUAL SAMPLER P-10

ROLAND SYNTHESIZER V-Synth GT



SONAR REAC Recording System



SONAR V-STUDIO 700



SPECIFICATIONS

Number of Audio Record/Playback Channels	Sampling Frequency = 44.1 kHz, 48 kHz Record: 19 channels, Playback: 24 channels Sampling Frequency = 88.2 kHz, 96 kHz Record: 15 channels, Playback: 20 channels Sampling Frequency = 192 kHz Record: 5 channels, Playback: 10 channels	Total Harmonic Distortion + Noise	INPUT 1-8 --> MAIN OUT: 0.07 % typ. (PAD: ON, GAIN: min., -1dB) AUX IN --> MAIN OUT: 0.07 % typ. (NORMAL, SENS: min., -1dB) 0.3 % typ. (Hi-Z, SENS: min., -1dB) * Internal Direct Monitor Mixer setting Stereo Link on, Input channel fader: Unity only one channel * All sampling frequency	Connectors	VS-700C Console AUX IN jack: 1/4 inch phone type PHONES jacks (PHONES1, 2): Stereo 1/4 inch phone type FOOT SW jacks (FOOT SW 1, 2): 1/4 inch phone type USB connector: USB Type B AC INPUT connector VS-700R I/O INPUT jacks (1-8): XLR type, 1/4 inch TRS phone type MAIN OUT jacks (L / R): XLR type SUB OUT jacks (L / R): 1/4 inch TRS phone type OUTPUT jacks (1-10): 1/4 inch TRS phone type WORD CLOCK connector (IN, OUT): BNC type DIGITAL 1 jacks (AES/EBU IN, OUT): XLR type (COAXIAL IN, OUT): RCA phono type DIGITAL 2 jacks (ADAT IN, OUT): Optical type MIDI connectors (IN, OUT): 5-pin DIN type USB connector: USB type B AC INPUT connector * XLR type: 1 GND, 2 HOT, 3: COLD
Signal Processing	PC interface: 24-bit AD/DA Conversion: 24-bit Internal: 40-bit	Residual Noise Level	INPUT 1-8 --> MAIN OUT: -81 dBu typ. (PAD: ON, GAIN: min., 400 ohms terminated, IHF-A) AUX IN --> MAIN OUT: -83 dBu typ. (PAD: ON, GAIN: min., 400 ohms terminated, IHF-A) * Internal Direct Monitor Mixer setting Stereo Link: ON, Input channel fader: Unity only one channel * All sampling frequency	Power Supply	AC 117 V, AC 230 V, AC 240 V (50/60 Hz)
Sampling Frequency	AD/DA Conversion: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 192 kHz DIGITAL 1,2 (IN/OUT): 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz	Equivalent Input Noise Level (E.I.N.)	INPUT 1-8: -123 dBu typ. (PAD: OFF, GAIN: max., 400 ohms terminated, IHF-A) AUX IN: -120 dBu typ. (NORMAL, SENS: max., 400 ohms terminated, IHF-A) AUX IN: -108 dBu typ. (Hi-Z, SENS: max., 400 ohms terminated, IHF-A) * Output Connector: MAIN OUT * Internal Direct Monitor Mixer setting Stereo Link: ON, Input channel fader: Unity only one channel * All sampling frequency	Current consumption, Power Consumption	VS-700C Console 0.31 A, 31 W (AC 117 V) 0.21 A, 31 W (AC 230 V / AC 240 V) VS-700R I/O 0.51 A, 33 W (117 V) 0.35 A, 39 W (AC 230 V / AC 240 V)
Nominal Input Level	INPUT 1-8: -40 to +4 dBu (PAD: ON) -60 to -16 dBu (PAD: OFF) AUX IN: -60 to -20 dBu (NORMAL) -50 to -10 dBu (Hi-Z)	Dynamic Range	AD block INPUT 1-8: 104 dB typ. (PAD: ON, GAIN: min.) AUX IN: 106 dB typ. (NORMAL / Hi-Z, SENS: min.) DA block MAIN OUT, SUB OUT, OUTPUT 1-10: 108 dB typ. * All sampling frequency	Dimensions	VS-700C Console 730 (W) x 430.9 (D) x 126.5 (H) mm 28-3/4 (W) x 17 (D) x 5 (H) inches VS-700R I/O 433.9 (W) x 348.4 (D) x 87.3 (H) mm 17-1/8 (W) x 13-3/4 (D) x 3-7/16 (H) inches
Pad	20 dB ON / OFF	Crosstalk@ 1 kHz	INPUT 1-8 --> MAIN OUT: -98 dB typ. (PAD: ON, GAIN: Min.) * Internal Direct Monitor Mixer setting Stereo Link: ON, Input channel fader: Unity only two channels which are adjacent each other. * All sampling frequency	Weight	VS-700C Console 10.2 kg / 22 lbs 8 oz VS-700R I/O 5.3 kg / 11 lbs 11 oz
Maximum Input Level	INPUT 1-8: +2 dBu (PAD: OFF) +22 dBu (PAD: ON) AUX IN: -2 dBu (NORMAL, SENS: min.) +8 dBu (Hi-Z, SENS: min.)	Built-in Sound Generator (Fantom VS)	Parts: 16 parts Maximum Polyphony: 128 voices Wave Memory: 128 M bytes (16-bit linear equivalent) Preset: Patches 1, 152 + 256 (GM2) Rhythm Sets 19 + 9 (GM2) ARX Series Expansion: 1 slot	Included Accessories	Power Cord x 2, USB Cable, Special Cable, VS-700R Rack Mount Angle x 2, Getting Started, VS-700 Owner's Manual, SONAR 8 User's Guide, Shortcuts and Quick Keys Guide, SONAR 8 DVD-ROMs, Dimension Pro DVD-ROM, RAPTURE + SONAR V-STUDIO 700 Driver CD-ROM
Input Impedance	INPUT 1-8: 95 k ohms AUX IN: 3 k ohms (NORMAL) 470 k ohms (Hi-Z)	Display	VS-700C Console 32 characters, 2 lines (backlit LCD) x 2 40 characters, 2 lines (backlit LCD) x 1	Optional Equipment	Pedal Switch Roland DP-2
Head Room	18 dB				* 0dBu = 0.775Vrms * In the interest of product improvement, the specifications and/or appearance of this unit are subject to change without prior notice.
Nominal Output Level	MAIN OUT, SUB OUT, OUTPUT 1-10: +4 dBu (balanced)				
Maximum Output Level	MAIN OUT, SUB OUT, OUTPUT 1-10: +22 dBu (balanced) PHONES 1-2: 100mW + 100mW (32 ohms loaded)				
Output Impedance	MAIN OUT, SUB OUT, OUTPUT 1-10: 600 ohms (balanced) PHONES 1-2: 44 ohms				
Recommended Load Impedance	MAIN OUT, SUB OUT, OUTPUT 1-10: 10 k ohms or greater PHONES 1-2: 32 ohm or greater				
Phantom Power	DC +48 V (unloaded maximum), 10 mA (maximum load) (All XLR type inputs) * Should be less than 50 mA in total				
Frequency Response	INPUT 1-8 --> MAIN OUT: 20-20kHz 0 dB / 2 dB (Sampling Frequency: 44.1 kHz / 48 kHz) 20-40kHz 0 dB / 2 dB (Sampling Frequency: 88.2 kHz / 96 kHz) 20-60kHz 0 dB / 3 dB (Sampling Frequency: 192 kHz) 20-90kHz 0 dB / 8 dB (Sampling Frequency: 192 kHz) AUX IN --> MAIN OUT: 20-20kHz 0 dB / 2 dB (Sampling Frequency: 44.1 kHz / 48 kHz, NORMAL / Hi-Z, SENS: min.) 20-40kHz 0 dB / 3 dB (Sampling Frequency: 88.2 kHz / 96 kHz, NORMAL / Hi-Z, SENS: min.) 20-40kHz 0 dB / 3 dB (Sampling Frequency: 192 kHz, NORMAL / Hi-Z, SENS: min.) 20-90kHz 0 dB / 12 dB (Sampling Frequency: 192 kHz, NORMAL / Hi-Z, SENS: min.) * Internal Direct Monitor Mixer setting Stereo Link: ON, Input channel fader: Unity only one channel				

SYSTEM REQUIREMENTS

Operating System: Microsoft® Windows Vista®, Windows Vista® x64, Windows® XP Professional
 Computer: Windows compatible computer equipped with a USB 2.0 (Hi-SPEED USB) port
 CPU/Clock: Intel® Pentium® 4 3.0GHz or higher, Core2Duo, Core2Quad recommended
 Memory (RAM): 2 GB or higher
 Hard Disk Space: 30 GB or higher
 Hard Disk Type: 7,200 RPM or higher / SATA
 Graphics (resolution, color depth) Minimum: 1024 x 768, 16-bit color / Recommended: 1280 x 960, 24-bit color or higher
 Required Hardware: DVD-ROM Drive (Install), CD-R Drive (For CD writing), DVD-ROM, DVD+/-R, or DVD+/-RW Drive (Dual Layer-capable drive required for installation of SONAR 8 Producer content)

* SONAR does not support Windows 95, 98, ME, NT, 2000 or XP x64

**Cakewalk Publisher requires you to have available web server space with FTP access privileges. An internet connection is required for music uploading. A broadband connection is recommended.

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cakewalk
by Roland

