

VS-2000CD Digital Studio Workstation

Affordable Digital Recording with Plug-In Support.



COSM

VS Plug-In

V-LINK



USB



*Actual product appearance may be subject to change.

- 20-track digital studio with 40GB hard drive, CD-RW drive and plug-in support
- 18 playback tracks, 320 V-Tracks and stereo mastering track
- Support for 24-bit and 16-bit recording at 44.1kHz
- 8 balanced XLR/TRS inputs with phantom power
- 40-channel digital mixer with channel dynamics and 4-band EQ, onboard effects and mastering tools
- New Harmony Sequence function adds realistic harmonies to vocals
- 3rd party plug-in support with optional VS8F-3 Effect Expansion Boards
- Tracks 17-18 double as stereo Rhythm Track with onboard drum sounds
- Support for mouse-based editing using optional VS20-VGA and monitor
- USB 2.0 for hi-speed data transfer, .WAV/AIFF import and .WAV export
- V-LINK video control support*

*V-LINK requires Edirol DV-7PR with software version 1.50 or higher (sold separately).

The VS-2000CD Digital Studio Workstation sets a new standard for affordable digital recording. With 20 tracks, 8 XLR inputs and support for 3rd party plug-ins using the optional VS8F-3, this next-generation V-Studio gives users the power to create like never before. Add the optional VS20-VGA with Version 2.0 software, and you can run your sessions with mouse and monitor for maximum control. A 40GB hard drive, CD-RW drive and USB 2.0 port come standard, making the VS-2000CD an incredible value.

Professional Recording at a Great Price

The VS-2000CD offers CD-quality recording at a choice of 16 or 24 bits. When in 16-bit mode, up to eight tracks can be recorded simultaneously with full 18-track playback and a stereo mastering track. Choose the high-quality 24-bit mode, and you get up to 8-track simultaneous recording and 12-track playback. An internal 40GB hard drive provides hours of reliable multitrack recording, while 320 Virtual Tracks give you all the room you need to be creative and “comp” the perfect take.

40-Channel Digital Mixer with XLR Inputs

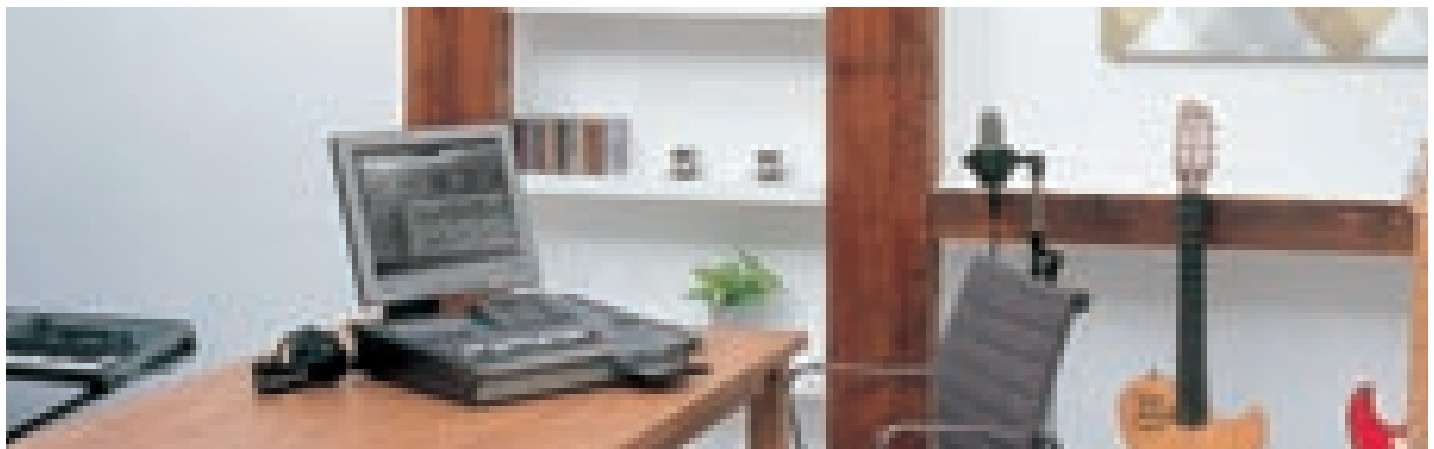
Whether you want to mic up a drum set or record multiple vocalists, you'll appreciate the VS-2000CD's eight XLR/TRS inputs with phantom power. Want to record a guitar? There's a Hi-Z input as well, plus a S/PDIF digital input. The VS-2000CD's 40-channel digital mixer makes mixing inputs, tracks and effect returns a snap—thanks to 17 faders and dedicated Channel Edit knobs. In addition, there are four knobs for controlling the dynamics and 4-band EQ for any input or track.

Studio-Quality Effects and CD-RW Drive

Right out of the box, the VS-2000CD comes with onboard effects that include essentials like reverb, delay and chorus, plus dynamics processors, EQ and more. You also get access to Roland's coveted COSM® effects like guitar amp and mic modeling. When you're ready master, select the Mastering Tool Kit with multi-band compression and burn a CD via the internal CD-RW drive.

Your Choice of Optional 3rd Party Plug-Ins

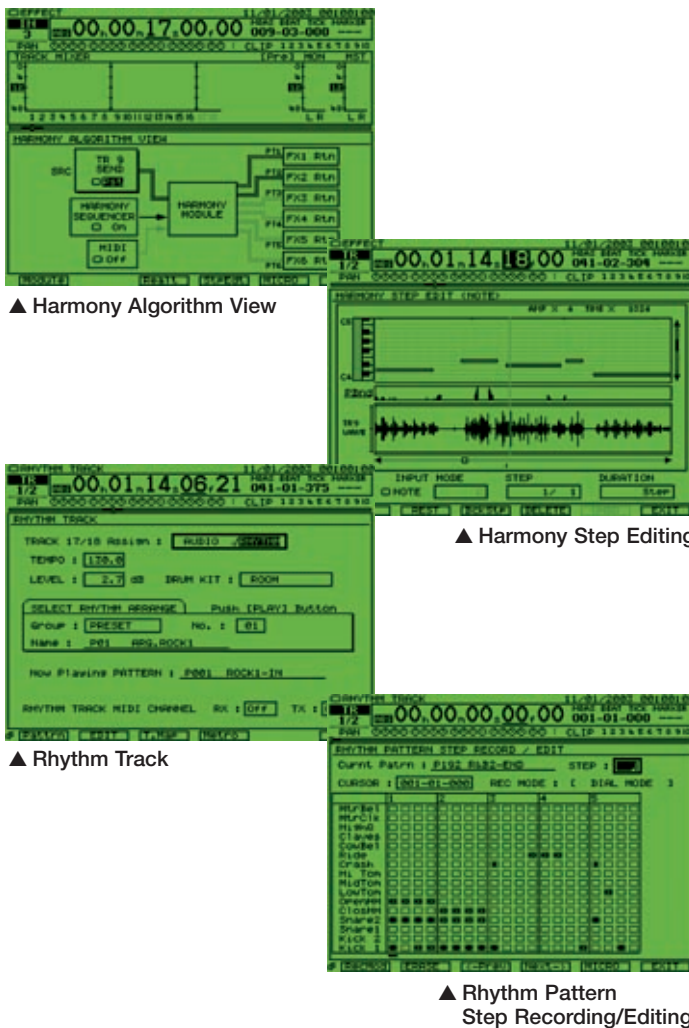
By installing an optional VS8F-3 Effect Expansion Board (the VS-2000CD has room for two), you can bring the exciting world of plug-ins right to your V-Studio. Every VS8F-3 includes a selection of high-quality Roland plug-ins to get you started, and with optional plug-ins available from a growing list of 3rd party developers—including Antares, IK Multimedia, Massenburg, Universal Audio and others—it's an exciting time to own a V-Studio.



Helpful Tools for Better Recordings

The VS-2000CD comes with several new tools designed to help you make better recordings—and better music. Using the new Harmony Sequence function, vocalists can add instant harmonies to their performance. You can even program drums on Tracks 17-18 using the new Rhythm Track feature. With lots of preset drum sounds included, it's like having a built-in drum machine! A handy chromatic tuner is also included so guitarists can tune up before recording.

■ LCD Display Examples



Graphical Editing Support

By adding the optional VS20-VGA Output Board (with Version 2.0 software), users gain full mouse and monitor support—making the VS-2000CD feel more like using software. Simply connect your VGA monitor and mouse, and you can perform drag-and-drop editing and mix your tracks using a sleek software interface. With a mouse and monitor, you get the best of both worlds: reliable Roland hardware with the speed and flexibility of software.

■ VGA Display Examples



Do More with USB 2.0

With USB 2.0, you can transfer data between the VS-2000CD and a computer quickly and easily. This new generation of USB offers more than twice the bandwidth of the previous USB standard, making it faster than ever to load audio to and from your V-Studio. Using the bundled conversion software for Mac and PC, you can transfer V-Studio files to your computer desktop, where they can be converted to .WAV or AIFF format. Or simply use the built-in CD-RW drive to load and convert .WAV/AIFF files, or convert V-Studio files to .WAV format for export.

V-LINK for Audio/Visual

Thanks to Roland's V-LINK technology, you can easily integrate video material with your music. Just connect an optional Edirol video editor, and you can trigger clips or create effects like transitions and dissolves using the VS-2000CD's faders.



*Shown with the optional VS20-VGA VGA and Mouse Operation Expansion.

VS-2000CD Specifications

■ Tracks Tracks: 18 + 2 Master Tracks, V-Tracks: 320 (16 V-Tracks per each Track)
■ Sample Rate 44.1 kHz **■ Recording Mode** Linear 24 bits (M24), Linear 16 bits (M16), CD Writing (CDR) *Master tracks only **■ Maximum Simultaneous Recording/Playback Tracks** 8 tr. Rec / 18 tr. Play (M16), 8 tr. Rec / 12 tr. Play (M24) *Depending on the organization of the song data, the disk drive performance, etc., the number of tracks that can be simultaneously recorded or played back may be limited. **■ Internal Hard Disk Drive Capacity** 40 GB **■ Recording Time (10 GB Partition, calculated for 1 track)** 1,340 min. (M24), 2,020 min. (M16) *The above-listed recording times are approximate. Times may vary slightly depending on the specifications of the disk drive and the number of songs that were created. *Maximum recording time of VS-2000CD is approximately 4 times of above recording time. (approximately 10 GB x 4 partitions) **■ Frequency Response** 20 Hz—20 kHz (+0dB/-2dB) **■ Projects** 200 projects in each partition **■ Marker** 1000 per project **■ Locator** 96 (16 x 6 banks) per project **■ Scene** 96 (16 x 6 banks) per project **■ Undo/Redo** 999 Undo / 1 Redo **■ Nominal Input Level (variable)** Input 1—8: -50—+14 dBu (maximum +26 dBu: balanced, maximum +20 dBu: unbalanced), Guitar (Hi-Z): -50—+14 dBu (maximum +20 dBu) **■ Input Impedance** Input 1—8: 32 k Ω (balanced), Guitar (Hi-Z): 1 M Ω **■ Nominal Output Level** Master Out: +4 dBu (balanced), AUX (L, R): 0 dBu (unbalanced), Monitor Out: 0 dBu (unbalanced) **■ Output Impedance** Master Out: 600 Ω, AUX (L, R): 300 Ω, Monitor Out: 300 Ω, Phones: 22 Ω **■ Recommended Load Impedance** Master Out: 10 k Ω or greater, AUX (L, R): 10 k Ω or greater, Monitor Out: 10 k Ω or greater, Phones: 32 Ω

■ Residual Noise Level (INPUT SENS: LINE, IHF-A, typ.) Master Out: -86 dBu or less, AUX: -86 dBu or less, Monitor Out: -86 dBu or less **■ EQ** 4-band (2 shelving + 2 peaking) **■ Dynamics Processor** Compressor, Expander **■ Effects** Maximum 6 stereo (One pre-installed + 2 more optional Effect Expansion Boards) **■ Display** 320 x 240 dots Graphic LCD (with backlit) **■ Interface** Digital I/O: Coaxial (conforms to IEC60958), MIDI: 5-pin DIN, USB: USB2.0 Mass Storage **■ Hard Disk Drive** 3.5-inch, 40 GB **■ CD-RW Drive** Reading Speed: 24x (max.), Recording Speed: Supports 4x speed writing (CD-R), Supports 4x speed rewriting (CD-RW) **■ Connectors** MIDI Connectors (5-pin DIN type), USB Connector, Input Jack 1—8 (XLR type, phantom power), Input Jack 1—8 (1/4 inch TRS phone type), Guitar (Hi-Z) Jack (1/4 inch phone type), Digital In Connectors (Coaxial type), Digital Out Connectors (Coaxial type), Foot Switch Jack (1/4 inch phone type), Master Out Jack L/R (1/4 inch TRS phone type), Monitor Out Jack L/R (RCA phono type), AUX Send Jack L/R (RCA phono type), Headphones Jack (Stereo 1/4 inch phone type) **■ Power Supply** DC 12 V (AC Adaptor) **■ Current Draw** 3.6A **■ Dimensions** 466 (W) x 369 (D) x 118 (H) mm / 18-3/8 (W) x 14-9/16 (D) x 4-11/16 (H) inches **■ Weight** 6.7 kg / 14 lbs 13 oz **■ Accessories** Owner's Manual, Appendices, Mixer Block diagram, Application Software CD (VS-2000 Wave Converter), Short Cut Seal, Power Cord, AC Adaptor (PSB-3U) **■ Options** 24-bit Effect Expansion Boards: VS8F-2, VS8F-3, Foot Switch: FS-5U (BOSS), Pedal Switch: DP-2

* 0 dBu=0.775 Vrms

* The specifications are subject to change without notice.