Put 24 Tracks to Work for You.

The VS-2400CD Digital Studio Workstation brings professional 24-track recording and CD burning to a new low price, while adding impressive new features *like* RSS[®] surround panning and V-LINK video control.

the second se • Self-contained 24-track/24-bit/96kHz recording workstation with onboard effects, CD-RW drive and 40GB hard disk • 24-track playback; 16-track simultaneous recording with 384 V-Tracks • 48-channel, fully automated digital mixer with 13 motorized faders • 8 XLR/TRS balanced inputs and Hi-Z input; 8 analog outputs including 5.1 Surround output; R-BUS and digital I/O Intuitive software-style control via included mouse and VGA monitor output New RSS surround panning creates a 3-Dimensional sound field for mixing • Import .WAV/AIFF files direct from CD-ROM; export files in .WAV format • V-LINK function for synchronizing or controlling Edirol video equipment

	fications						
Tracks	Tracks: 24 V.Tracks: 384 (16-V.Tracks per each Track)	Projects	200 projects in each partition		PS/2: 6-pin miniDIN MIDI: 5-pin DIN		
	,	Marker	1000 per project		R-BUS: 25-pin D-sub		
Sample Rate	96.0/88.2/64.0/48.0/44.1/32.0 kHz * Adjustable range with vari-pitch function	Locator	100 (10 x 10 banks) per project	Hard Disk Drive	IDE type 3.5 inches 40 G bytes		
	16.00 kHz - 98.00 kHz (at 96 kHz)	Scene	100 (10 x 10 banks) per project	CD-RW Drive	Reading Speed: 24x (max.)		
	16.00 kHz – 50.00 kHz (at 48 kHz)	Undo/Redo	999 Undo / 1 Redo		Recording Speed: Record (CD-R) 4x cor		
Recording Mode	Mastering 24-bit (M24) Multitrack Pro (MTP) CD Writing (CDR)	Nominal Input Level (variable)	Input 1-8: -50 - +14 dBu (maximum +26dBu; balanced,	Connectors	Re-Write (CD-RW) 4x correspond MIDI Connectors (5-pin DIN)		
	Mastering 16-bit (M16) Multitrack 1 (MT1)	(variable)	maximum +20dBu: unbalanced) Guitar (Hi-Z): -50 - +14 dBu (maximum +20 dBu)		Input Jack 1–8 (XLR type [balanced, phant Input Jack 1–8 (1/4inch phone type [TRS		
	Multitrack 2 (MT2) Live 1 (LIV) Live 2 (LV2)	Input Impedance	Input 1–8: 10 k Ω (balanced) Guitar (Hi-Z): 1 M Ω		Guitar (Hi-Z) Jack (1/4inch phone type) Digital In Connectors (Coaxial type, Optio Digital Out Connectors (Coaxial type, Option)		
Maximum Simultaneous Recording / play back	• Sample Rate 48/44.1/32 kHz 16-tr. Rec / 16-tr. Play (M24, M16, CDR)	Nominal Output Level	Master Out: +4 dBu (balanced) AUX A (L, R): +4 dBu (balanced) AUX B (L, R): +4 dBu (balanced)		Foot Switch Jack (1/4inch phone type) PS/2 Mouse Connector (6-pin miniDIN) PS/2 Keyboard Connector (6-pin miniDIN)		
Tracks	16-tr. Rec / 24-tr. Play (MTP, MT1/2, LIV, LV2) • Sample Rate 96/88.2/64 kHz 8-tr. Rec / 8-tr. Play (M24, M16, CDR)	Output Impedance	Monitor Out: +4 dBu (balanced) Master Out: 600 Ω		VGA Out Connector (15-pin miniD-sub) R-BUS Connector (25-pin D-sub) Master Out Jack L/R (1/4inch phone type, TR		
	8-tr. Rec / 12-tr. Play (MTP, MT1/2, LIV, LV2)	Output impedance	AUX A (L, R): 600 Ω		Monitor Out Jack L/R (1/4inch phone type, T		
	* Depending on the organization of the song data etc., the number of tracks which can be simultaneously recorded or played back may be limited.		AUX B (L, R): 600 Ω Monitor Out: 600 Ω Phones: 22 Ω		AUX A Send Jack L/R (1/4inch phone type AUX B Send Jack L/R (1/4inch phone type Headphones Jack (Stereo 1/4inch pho		
Maximum Useful Capacity	40 G bytes: 10 G bytes (Capacity) x 4 (Partition)	Recommended Load	Master Out: 10 k Ω or greater	Power Supply	AC117 V, AC230 V or AC240 V		
		Impedance	AUX A (L, R): 10 k Ω or greater AUX B (L, R): 10 k Ω or greater	Power Consumption	60 W		
Recording Time (at 10GB Partition, conversion in 1 track, unit: minutes)	Sample Rate (kHz) Paccording Sample Rate (kHz) M24 658 716 987 1,316 1,433 1,975 MTP 1,977 2,152 2,966 3,954 4,305 5,932		Monitor Out: 10 k Ω or greater Phones: 8 – 600 Ω	Dimensions	480 (W) x 481 (D) x 136 (H) mm 18-15/16 (W) x 18-15/16 (D) x 5-3/8 (H) i		
unit. minutes)	M16 988 1,076 1,483 1,977 2,152 2,966 CDR 988 1,076 1,483 1,977 2,152 2,966 MT1 1,977 2,152 2,966 3,954 4,304 5,932 MT2 2,635 2,866 3,953 5,271 5,732 7,907	EQ	4-band (2 shelving + 2 peaking) * Useful simultaneously at up to 32ch in both Input Mixer	Weight	10.5 kg 23 lbs 3 oz		
	LIV 3,163 3,442 4,744 6,326 6,885 9,489 LV2 3,954 4,304 5,932 7,909 8,609 11,864		and Track Mixer. (at 48kHz or less.) * Useful simultaneously at up to 16ch in both Input Mixer and Track Mixer. (at 64kHz or above.)	Accessories	Owner's Manual English Appendices		
	* The above-listed recording times are approximate. Times may vary slightly depending on the specifications of the disk drive and on the number of songs that were created.	Dynamics Processor	Compressor, Expander * Useful simultaneously at up to 32ch in both Input Mixer		R-BUS Equipment Connection and Settir Block diagram Demo CD		
	* In "CDR" recording mode, two tracks are always used in a pair		and Track Mixer. (at 48kHz or less.)		CD-R disc		
	(channel link is on), so recording time is half the above-listed. * Maximum recording time of VS-2400CD is approximately four		* Useful simultaneously at up to 16ch in both Input Mixer and Track Mixer. (at 64kHz or above.)		PS/2 Mouse Short Cut Seal		
	times of above recording time. (10 GB x 4 Partitions)				AC Cord		
Frequency Response	96.0 kHz: 20 Hz – 40 kHz (+0 dB/-2 dB)	Effects	Maximum 4 stereo (One pre-installed + One more optional VS8F-2)		(0dB		
	88.2 kHz: 20 Hz – 40 kHz (+0 dB/-2 dB) 48.0 kHz: 20 Hz – 22 kHz (+0 dB/-2 dB)	Display	320 x 240 dots Graphic LCD (with backlight)				
	44.1 kHz: 20 Hz – 20 kHz (+0 dB/-2 dB) 32.0 kHz: 20 Hz – 14 kHz (+0 dB/-2 dB)	Interface	Digital I/O: Coaxial, Optical (conforms to IEC60958)		* In the interest of product development, the		

V·Studio

No.	Patch Name	No.	Patch Name	No.	Patch Name	No.	Patch Name	No.	Patch Name	No.	Patch Name	No.	Patch Name	No.		No.	Patch Name	No.	Patch Name	No.		Patch Name
Algor				P048	RV:Room Amb.*	P072	R2:BriteGte2	P093	CH:DetuneCho	P114	MM:57→47*		al 10 presets	P16	1 GA:CleanTwin	P184	VC:Vocal Cnl	P20	B PEQ:Narrator	P230	SPN	M:BB.LowBs*
P000	Reverb*	P025	Vocoder	P049	RV:Cathedral*	P073	R2:Fat Gate2	P094	SPCHO:MODE 1	P115	MM:57→Line*	P139	VO:Vocal Efx	P16	2 GA:Vin.Tweed	P185	VC:CenterCnl	P20	9 PEQ:Organ	Maste	ring To	Fool Kit 19 prese
P001	Reverb2	P026	Vocoder2 (19)*	P050	RV:Long Cave*		Reverb 4 presets	P095	SPCHO:MODE 2	P116	MM:DR20→421*	P140	VO:JazzVocal	P16	3 GA:BluesDrv.	Parame	etric Equalizer 26 pres	ts P21	D PEQ:St.Piano	P231	MTK	K:Mixdown*
P002				P051	RV:GarageDr.*	P074	RV:BriteGate*	P096	SPCHO:MODE 3	P117	MM:DR20→451*	P141	VO:RockVocal	P16	4 GA:MatchLead	P186	PEQ:BassDrum	P21	1 PEQ:SmallCho			K:PreMastr*
P003	Delay	P028	3Bndlsolator	P052	RV:Rock Kick*	P075	RV:Fat Gate*	Phase	er 3 presets	P118	MM:DR20→87*	P142	VO:Narration	P16	5 GA:StudioCmb		PEQ:RockBD	Grap	hic Equalizer 3 presets	P233	MTK	K:LiveMix*
P004	StPS-Delay	P029	DualComp/Lim	P053	RV:RockSnare*	P076	RV:ReverseGt*	P097	PH:Lt Phaser	P119	MM:10→58*	P143	VO:BigChorus	P16	6 GA:JMP-Stack	P188	PEQ:RockSD	P21	2 GEQ:TotalEQ1	P234	MTK	K:PopMix*
P005	Delay RSS	P030	Parametric EQ	Reve	rb2 20 presets	P077	RV:PanningGt*	P098	PH:DeepPhase	P120	MM:10→87*	P144	VO:Club DJ	P16	7 GA:SLDN Lead	P189	PEQ:RimShot	P21	3 GEQ:TotalEQ2	P235	MTK	K:DanceMix*
P006	TapeEcho201	P031	Graphic EQ	P054	R2:LargeHall	Dela	y 9 presets	P099	AP:FB-Phaser	P121	MM:Mini→57*		VO:AM-Radio	P16	8 GA:5150 Lead	P190	PEQ:Toms	P21	4 GEQ:Space EQ	P236	MTK	K:JinglMix*
					R2:SmallHall	P078	DL:Short Dly	Flang	er 3 presets	P122	MM:Mini→87*	P146	VO:PlusTwo		s 6 presets	P191	PEQ:Hi Hat	Ster	eo Multi 5 presets			K:HardComp
P008	StDly-Chorus	P033	Stereo Multi	P056	R2:Strings	P079	DL:MediumDly	P100	FL:LtFlanger	P123	MM:C3KB→57*	P147	VO:Robot Efx	P16	9 BS:Dl'edBass	P192	PEQ:Cymbals	P21	5 CL:Comp	P238	MTK	K:SoftComp
P009	Chorus RSS	P034	Speaker MdI*	P057	R2:PianoHall	P080	DL:LongDelay	P101	FL:Deep FI	P124	MM:C3KB→58*	P148	VO:Bull Horn	P17	0 BS:MikedBass	P193	PEQ:Overhead	P21	6 CL:Limiter	P239	MTK	K:CInComp*
P010	Space Chorus	P035	MastringTool*	P058	R2:Orch Room	P081	DL:AnalogDly	P102	AF:SBF-325	P125	MM:C3KB→421*		ar 11 presets	P17	1 BS:CompBass	P194	PEQ:Bass 1	P21	7 EQ:Loudness	P240	MTK	K:DnceComp
P011	St Phaser			P059	R2:VocalRoom	P082	DL:Tape Echo			P126			GT:Rock Lead		2 BS:Fat Bass*	P195	PEQ:Bass 2	P21	B EQ:Fat Dance	P241	MTK	K:OrchComp
P012	AnalogPhaser	P036	RV:LargeHall*	P060	R2:MediumRm	P083	DL:Karaoke	P103	PS:-4thVoice	P127	MM:C3KB→87*	P150	GT:LA Lead	P17	3 BS:Auto Wah	P196	PEQ:SlapBass	P21	9 EQ:ThinJingl	P242	MTK	K:VocalCmp
P013	St Flanger	P037	RV:SmallHall*	P061	R2:LargeRoom	P084	DL:Multi-Tap	P104	PS:ShimmerUD	P128	MM:C3KB→47*	P151	GT:MetalLead	P17	4 BS:FX Bass	P197	PEQ:Sax	Spea	ker Modeling 11 presets	P243	MTK	K:Acoustic*
P014				P062	R2:CoolPlate	P085	DL:MItTapAmb	P105	VT:M to Fm*	P129	MM:C3KB→Line*	P152	GT:Metal Jet		cial Effects 11 presets	P198	PEQ:Bari.Sax	P22	0 SPM:SuperFit*	P244	MTK	K:RockBand
P015	Rotary	P039	RV:PianoHall*	P063	R2:Short Plt	P086	DL:Ping Pong	P106	VT:Fm to M*	P130	MM:Kick&Snr1*	P153	GT:CleanRthm	P17	5 LFP:BreakBts	P199	PEQ:ElecGtr	P22	1 SPM:P.GenBlk*	P245	MTK	K:Orchestr*
P016	2ch RSS	P040	RV:Orch Room*	P064	R2:Vocal Plt	Tape B	Cho 201 4 presets	P107	VT:Male Duo*	P131	MM:Kick&Snr2*	P154	GT:DledClean	P17	6 LFP:1bitDist	P200	PEQ:NylonGtr	P22	2 SPM:P.E-Bs*	P246	MTK	K:LoBoost*
P017	MicModeling*	P041	RV:VocalRoom*	P065	R2:Soft Amb.	P087	TE:ShortEcho	P108	VT:FemaleDuo*	P132	MM:H.Hat&Tom*	P155	GT:Delay Rif	P17	7 LFP:TeknoFlt	P201	PEQ:BluesGtr	P22	3 SPM:P.Mack*	P247	MTK	K:Brighten*
P018	GuitarMulti1	P042	RV:MediumRm*	P066	R2:Room Amb.	P088	TE:LongEcho	P109	VT:Robot*	P133	MM:Dr.OvrTop*	P156	GT:Acoustic	P17	8 LFP:Reso Fit	P202	PEQ:SlideGtr	P22	4 SPM:SmalCube*	P248	MTK	K:DJsVoice*
P019	GuitarMulti2	P043	RV:LargeRoom*	P067	R2:Cathedral	P089	TE:OldTape	Mic Me	odeling 29 presets	P134	MM:Dr.OvrAll*	P157	GT:BluesDrv.	P17	9 LFP:FatBotom	P203	PEQ:LineGtr	P22	5 SPM:WhiteCon*	P249	MTK	K:PhoneVox
P020	GuitarMulti3	P044	RV:CoolPlate*	P068	R2:Long Cave	P090	TE:PanEcho	P110	MM:57→58*	P135	MM:Ac.Guitar*	P158	GT:Liverpool	P18	0 VOC2:M19Band*	P204	PEQ:Male	P22	6 SPM:W.C+tiss*			
P021	GuitarAmpMdI	P045	RV:Short Plt*	P069	R2:GarageDr.	Chor	us 6 presets	P111	MM:57→421*	P136	MM:StudioVcl*	P159	GT:Country	P18	1 VOC2:S19Band*	P205	PEQ:RockMale	P22	7 SPM:S.Radio*			
P022	Vocal Multi	P046	RV:Vocal Pit*	P070	R2:Rock Kick	P091	CH:Lt Chorus	P112	MM:57→451*	P137	MM:StereoMic*	Guitar	Amp Modeling 9 presets	P18	2 HC:Quiet60Hz	P206	PEQ:Female	P22	B SPM:SmallTV*			
P023	Voice Trans*	P047	RV:Soft Amb.*	P071	R2:RockSnare	P092	CH:Deep Cho	P113	MM:57→87*	P138	MM:Ambience*	P160	GA:JazChorus	P18	3 HC:Quiet50Hz	P207	PEQ:RockFemI	P22	SPM:BoomBox*			



24ta/24bit/96kHz DIGITAL STUDIO WORKSTATION VS-2480 COSM R-BUS The flagship VS-2480CD offers several enhancements for professional users lik 16 analog inputs, 17 motorized faders, SMPTE sync and more.



All specifications and appearances are subject to change. arks are the property of their respective c

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24TR/96KHz/24-bit DIGITAL STUDIO WORKSTATION



Roland

000	24-bit/96kHz recording	24-track audio recorder	48-channel (

Professional Digital Recording

24 Tracks of Recording Heaven

Frustrated with the limited capabilities of a 16-track digital recorder? Then it's time to step up to full 24-track recording. Think about it. With 24 tracks, you'll have room for individually miked drums and plenty of vocals. And with 384 Virtual Tracks, there's always room to try new ideas.

Pristine 24-bit/96kHz Sound Quality

How does the VS-2400CD sound? In a word, phenomenal-thanks to its true 24-bit A/D converters. These top-quality converters capture all the warmth of your inputs and provide better headroom for recording. And if you want the absolute finest sound quality, the VS-2400CD even supports recording at 96kHz*. *At sampling rates of 96kHz, maximum 8-track recording is possible.

Internal CD-RW and 40GB Hard Drive

Easy CD Burning:

With a low-profile CD burner built-in, the VS-2400CD has everything needed to take your song from idea to completion. Just mix down to an open pair of tracks and burn a CD!

.WAV/AIFF Compatibil

The VS-2400CD's internal CD-RW drive can also be used to import .WAV and AIFF files directly from CD. You can even export audio in .WAV format and burn it to disc.

888 Recording Modes cording and playback in 24-bit linear format high-quality recording which compares well to the results from professional-grade digital devices as mixers and effect processors. MTP (Multitrack Pr 116 (Mastering 16 leal for mastering, this mode enables you to record in Audio CD Image format for quick poetable CD burning. CDR (CD Writing scording time is approximately two times longer than M16 while preserving sound quality. itable when doing many track bounces. MT1 (Multitrack 1) MT2 (Multitrack 2) ovides more recording time than MT1 while preserving sound quality Provides more recording time than MT2. Suitable when there is little disk space left or for lengthy ecording applications such as live performances. LIV (Live 1) LIV (Live 2) Enables the longest recording time. WITH VGA DISPLAY

Maximum Number of Tracks for Simultaneous Recording/Playback

Recording Mode

M24,M16,CDF

Sample Rate

 48/44.1/32kHz
 96/88.2/64kHz

 16-tr recording 16-tr playback
 8-tr recording 8-tr playback

16-tr recording 24-tr playback 8-tr recording 12-tr playback



Solid Mixing Capabilities

A Full-Featured Digital Mixer Impressive 48-Channel/20-Bus Design:

More than just a recorder, the VS-2400CD is a full-blown 48-channel digital mixer. These channels consist of the 16-channel Input mixer, 24-channel Track mixer and eight effect returns. A variety of busses, including eight direct paths, eight aux busses, and stereo main and monitor busses, let you route signal anywhere.

Expandable I/O via R-BUS:

Thanks to its R-BUS interface, the VS-2400CD can be expanded with up to eight channels of analog or digital I/O. Use R-BUS to connect an additional VS-2400CD, VS-2480CD or even Roland's SI-24 Studio Interface-adding another eight analog input channels.

Premium Analog Components:

Automated Mixing at Your Fingertips

13 Motorized Faders: If you've ever had to work on multiple projects at once, you know the importance of motorized faders. Imagine being able to press a button and watch as your entire mix is instantly recalled! These faders also come in handy when moving between the VS-2400CD's Input mixer, Track mixer and effect returns.

Create and Store Multiple Automixes: Professional engineers will tell you that automation is key to good mixing. Fortunately, the VS-2400CD lets you create multiple automixes for controlling important mixing parameters like track level, panning, effects sends and more.

New RSS surround Panning: The VS-2400CD is the first V-Studio to feature RSS surround Panning. Using this function, you can position a sound anywhere in a 360 degree field simply by turning a knob. The result is a surround sound mix using conventional 2-way speakers (5.1 mixing is also available).



24TR/96KHz/24-bit DIGITAL STUDIO WORKSTATION V-LINK COSM R-BUS



Intuitive drag-and-drop editing Onboard effects Built-in CD-RW & 40GB HD drive

A Fluid and Intuitive OS

Superb Editing Functions

For editing, the VS-2400CD offers several nondestructive commands like copy, cut, paste and move. These functions give you the power, for example, to create the ultimate vocal or to even copy a drum loop. Helpful markers and locators let you move around quickly, while multiple Undo commands make accidents a thing of the past.

VGA Output for Software-Style Control

Get the big picture by connecting an optional VGA monitor. Combined with the mouse and optional keyboard, this system makes working with the VS-2400CD feel just like software (see screenshots for details).

Track Mixer

AKG

With the Track Mixer screen, you can use

the mouse to edit track levels, panning and more for all 24 tracks simultaneously

Playlist

Mouse-Based Editing on the LCD

The VS-2400CD's large LCD screen makes navigation simple with helpful icons and graphics. Using the supplied mouse, you can copy or move phrases using familiar "drag-and-drop" commands—just like software. An optional ASCII keyboard can also be connected for simplified data entry.

Go Direct To Your PC

By installing an optional RPC-1 R-BUS card in your Mac or PC, you can transfer up to eight channels of 2-way audio between the computer and your VS-2400CD-all in pristine 24-bit digital quality. Now the V-Studio is more expandable than ever!



waveforms graphically with the mouse—just like software.

balance and brightness.

EZ Routing Take the mystery out of routing signal! Simply drag a "virtual" audio cable from source to destination in this helpful screen.

This screen provides a global view of

your arrangement, plus drag-and-drop editing of audio regions using the mouse.

Pro-Quality Effects and V-LINK

A Powerhouse of Expandable Effects

2 Stereo Effects Standard: The VS-2400CD includes one of Roland's highly acclaimed VS8F-2 Effects Expansion Boards right out of the box. This powerful card provides up to two stereo or four mono effects.



COSM 36 Killer Algorithms: With 36 algorithms from the Roland and BOSS archives, the VS-2400CD can handle just about every type of processing you need-from smooth reverb and chorus to delay, flanger and Lo-Fi. There's even a 19-band vocoder and COSM[®] Amp Modeling.

Mic Modeling Optimized for AKG C3000B:

Roland's COSM Mic Modeling has earned accolades for its ability to model the characteristics of several vintage and high-end microphones. Now you can take advantage of this technology using one of the most popular mics around-the AKG C3000B.



Simplified Audio/Video Integration

Roland's V-LINK gives musicians an easy way to

integrate video and music. Simply connect an Edirol

DV-7PR Digital Video Workstation (sold separately),

and you can trigger video clips by creating MIDI events

in the VS-2400CD's Automix function, or even use the

V-Fader function to control video parameters like color

Onboard Mastering Tools:





