Engineered for Full Production.



The MV-8000 lets you turn samples into finished songs and burn it on CD—all with streamlined operation. Are you ready?

REAR VIEW



*Shown with the optional MV8-OP1 Audio I/O Expansion.

OPTIONS

MV8-OP1
Audio I/O Expansion
R-BUS



DP-2
Pedal Switch



FS-5U
Foot Switch
BOSS



DR-20
Dynamic Microphone



SPECIFICATIONS

Parts	16 (Patches) + 8 (Audio Tracks / Audio Phrases)
Maximum Polyphony	64 voices

Sampler Section

Audio Data Format	16 bits linear (24 bits processing)
Sampling Frequency	44.1 kHz (fixed)
Wave Memory (RAM)	128 MB (expandable up to 512MB when internal memory is replaced with a 512MB DIMM) DIMM: 1 slot (168-pin, PC100 CL=2 or PC133 CL=3, 3.3 V, 128/256/512 MB)
Maximum Sampling Time	128 MB DIMM installed (standard) mono: 24 min. approx., stereo: 12 min. approx. 512 MB DIMM installed (expanded) mono: 100 min. approx., stereo: 50 min. approx.
Effects	Multi-effects (MFX): 1 (24 types) Reverb: 1 (2 types) Chorus: 1 (4 types) Mastering Tool Kit: 1 (only in Mastering Mode)

Sequencer Section

Tracks	MIDI tracks: 128 (1 MIDI channel per track) Audio tracks: 8 pairs of stereo Tempo track: 1
Resolution	480 TPQN
Tempo	5 - 300
Note Capacity	approx. 150,000 notes
Song Length	9,999 measures
Recording Method	Event recording (Realtime / Step) Audio recording

Others

Project	Songs: 16 Patches: 16 (per Song) Partials: 96 (16 pads x 6 banks, per Patch) Samples: 9,999 Audio Phrases: 512 (16 pads x 32 banks) Patch Libraries: 128 MIDI Clips: 100 Multi-effects (MFX) Libraries: 124 (Preset 24, User 100) Chorus Libraries: 52 (Preset 2, User 50) Reverb Libraries: 54 (Preset 4, User 50) Mastering Tool Kit Libraries: 71 (Preset 21, User 50)
Signal Processing	AD Conversion: 24 bits, 64 times oversampling DA Conversion: 24 bits, 128 times oversampling
Frequency Response	MIC / Line Inputs : 20 Hz - 20 kHz (+0 dB/-2 dB)
Nominal Input Level	MIC / Line Inputs: -50 - +14 dBu (maximum +26 dBu: balanced, maximum +20 dBu: unbalanced) Phono Inputs: -87 - -27 dBu
Input Impedance	MIC / Line Inputs: 40 k Ω Phono Inputs: 50 k Ω
Nominal Output Level	+4 dBu (balanced)
Output Impedance	600 Ω
Recommended Load Impedance	Master Outputs: 10 k Ω or greater Headphones: 8 - 600 Ω
Display	320 x 240 dots, graphic LCD (backlit)
Pads	16 Pads Velocity and Aftertouch sensitive
Controllers	Effects control knobs: C1 - C3 Mixer sliders: 1 - 8
Floppy Disk Drive	3.5 inch Micro Floppy Disk 1.44 MB (2HD), 720 KB (2DD)
Hard Disk Drive	3.5 inch, 40 GB

CD-R/RW Drive	Built-in type (CD-DA, CD-ROM, CD-R, CD-RW)
Connectors	Phono Input Jacks L, R (RCA pin type) MIC / Line Input Jacks L, R (1/4 inch phone type, TRS balanced) Master Output Jacks L, R (1/4 inch phone type, TRS balanced) Headphones Jack (Stereo 1/4 inch phone type) Digital Out Connector A (Coaxial type) Digital Out Connector B (Optical type) MIDI Connectors (IN, OUT A, OUT B) USB Connector (supports file transfer, mass storage class) Foot Switch Jack (1/4 inch phone type) AC Inlet *The following are available when the optional MV8-OP1 Audio I/O Expansion is installed: Analog Multi Output Jacks 1- 6 (1/4 inch phone type, TRS balanced) Digital In Connector A (Coaxial type) Digital In Connector B (Optical type) R-BUS Connector (8 channels digital output/ 2 channels digital input, DB-25 type)
Power Supply	AC 117 V, AC 230 V or AC 240 V (50/60 Hz)
Power Consumption	40 W
Dimension	480 (W) x 482 (D) x 136 (H) mm 18-15/16 (W) x 19 (D) x 5-3/8 (H) inches
Weight	9.8 kg / 21 lbs 10 oz (excluding MV8-OP1)
Accessories	Quick Start Owner's Manual Mixer Block Diagram Sample Data CD-ROM Backup CD-ROM Shortcut Stickers Short Pin Power Cord

Compatibility with PC and Macintosh Computers

OS Compatibility	Windows: Microsoft® Windows® Me/2000/XP Macintosh: Mac OS 9.0.4 or later/OS X
Driver	The appropriate USB driver in the computer's OS will automatically be selected when the MV-8000 is connected to a computer.

MEDIA AND FILE FORMAT COMPATIBILITY

Import	
from CD-R/RW Drive	audio, .wav/AIFF, S-700 (Sample, Partial, Patch), AKAI MPC2000 Sound File (.SND), ACIDized wave file, SMF (Format 0)
from PC/Mac via USB (or Floppy Disk)	.wav/AIFF, AKAI MPC2000 Sound File (.SND), ACIDized wave file, SMF (Format 0)
Export	
to CD-R/RW Drive*	MV-8000 native data (project back-up etc), audio
to PC/Mac via USB (or Floppy Disk)	.wav/AIFF, MV-8000 native data (project back-up etc, only to PC/Mac via USB)

*CD-R/RW discs only.

MFX ALGORITHM LIST

Isolator & Filter	EZ Delay	Vintage Flanger 325	Stereo Distortion	Vocal Multi
Center Canceller	RSS Delay	2 x BOSS Flanger	Phonograph Modeling	Voice Transformer
Stereo Dynamics Processor	Analog Delay & Chorus	Stereo Pitch Shifter	Radio Tuning	Mic Modeling
Reverb & Gate	Digital Chorus	80s Phaser	Lo-Fi Processor	Vocoder
Tape Echo 201	4 Button Chorus 320	Stereo Auto Wah	Guitar Multi	

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MV-8000
PRODUCTION STUDIO

A Complete Studio for Today's Producers.



Roland®







Sampling, sequencing and so much more.

Looking for a better way to make music? Roland's MV-8000 Production Studio puts sampling, sequencing, effect processing, mixing, mastering and CD burning in a tabletop workstation designed to feel less like a studio and more like a musical instrument.

Roland's Next-Generation Sampling Engine.

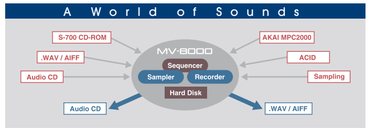
Professional Sampling

This is no "stripped down" sampler! The MV-8000 comes with 128MB of sample RAM, which can be expanded to 512MB for up to 100 minutes of recording (when in mono). Audio can be chopped and time stretched, or processed using filters, amplifiers and LFO's derived from Roland's latest synthesizers. And with 24-bit stereo analog outputs and a S/PDIF digital output, your music always sounds great.

Load It Up!

The MV-8000 is compatible with today's most popular audio formats including Roland S-700, Akai MPC2000, ACIDized wave files, and standard .WAV/AIFF files. Libraries can be imported via floppy, CD-ROM or USB, and then exported in .WAV/AIFF format or "burned" as an audio disc. Of course, user sampling is also provided, along with a choice of Mic/Line and TRS inputs, plus Phono inputs for sampling vinyl.

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Maximum Flexibility

For the ultimate in arranging, the MV-8000 makes it possible to easily move samples into one of the sequencer's audio tracks. Likewise, you can also move the contents of an audio track back into the sampling section to perform additional processing.

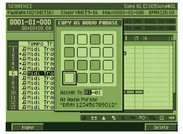
Internal 40GB Hard Drive

A massive 40GB hard drive offers a convenient way to store sample and project data. When connected via USB, the hard drive will appear as an icon on your computer desktop, making it easy to drag and drop files back and forth between the MV-8000 and a Mac/PC.

*Note that it is not possible to record directly to the hard drive. Recordings are made using the internal RAM and then saved to the hard drive.



▲ Synthesizing Samples (Partial Filter)



▲ Copy as Audio Phrase

Complete Sequencing and Arranging Capabilities.

Tight Audio/MIDI Integration

The MV-8000 boasts 136 tracks of audio and MIDI sequencing. These include 128 MIDI tracks (with 32-channel operation using external MIDI gear) and eight stereo audio tracks (16 mono) that can be used as a linear recorder. Audio and MIDI can be integrated seamlessly, allowing you to program beats on the MIDI tracks and combine them with vocals or acoustic instruments that have been recorded to the audio tracks. The MV-8000 can even sync audio recordings to the sequencer's BPM without changing pitch.

Easy Editing on Graphic LCD

Whether you want to edit MIDI, copy audio phrases or loop an entire sequence, the MV-8000's large graphic display makes it easy. Use the Event List or Piano Roll editors to tweak your performance, or select Play Quantize to tighten up any of your tracks by adjusting each track's timing data by a percentage.



▲ Sequence (Audio and MIDI Tracks)



▲ Step Recording



MV-8000 PRODUCTION STUDIO

COSM V-LINK R-BUS

*R-BUS port is available when the MV-8000 is equipped with the optional MV8-OP1 Audio I/O Expansion.

A *Musical* Approach to Production.

16 Pro-Quality Velocity Pads

Located on the left side, the MV-8000's large velocity- and aftertouch-sensitive pads give you a tight and responsive feel that's perfect for programming beats. Use the Roll function to create instant drum rolls, or map a single sample at 16 velocities using "Multi Level."

Helpful Display and Knobs

Getting around the MV-8000 is a snap, thanks to a large, graphic display with helpful icons and an easy-to-read angled design. Three realtime control knobs—dedicated for effects—make editing fast and intuitive.

Slider-Based Mixing

To mix your tracks, simple grab the eight assignable sliders and watch as their values update on the display. Or assign them to other parameters like filter cutoff for easy realtime control (the sliders can control multiple parameters simultaneously).



▲ Audio Track Mixer



▲ Audio Phrase Edit

An "Effect-ive" Sampling Studio.

Onboard Reverb, Chorus and Delay

Whether you need a studio-quality plate reverb for a vocal or some chorus to fatten up an acoustic guitar, the MV-8000 has you covered with separate Reverb and Chorus/Delay processors.

Killer Multi-Effects with COSM

The MV-8000's separate multi-effects processor serves up a variety of powerful algorithms like Isolator and Filter, plus COSM® modeling effects like RSS®, Guitar Multi and Microphone Modeling. You also get vintage effects like Roland's RE-201 Tape Echo, SDD-320 Dimension D Chorus, SBF-325 Stereo Flanger and a vocoder. Effects can be recorded and resampled to create entirely new sounds.

Be A Mixmaster

Once you've mixed down your track, run it through the onboard Mastering Tool Kit to give it more punch and clarity. This is the same algorithm made famous in Roland V-Studios, and it's loaded with tools like a multi-band compressor, enhancer, expander and EQ. Beef up your mix before burning a CD!



▲ MFX Edit (Tape Echo 201)



▲ Mastering Tool Kit

Powerful Expansions and V-LINK.

Optional MV8-OP1 Expansion Board

Pop this into your MV-8000 and you'll get six additional analog outputs, a S/PDIF digital input, and an R-BUS port for eight channels of simultaneous digital output and two channels of digital audio input. No pro user should be without this board.



MV8-OP1
Audio I/O Expansion
R-BUS

V-LINK Video Control

Roland's V-LINK technology lets you control Edirol video equipment right from the MV-8000. Trigger video clips from the pads, or use the sliders and knobs to create interesting effects like color and brightness control. It's a live performer's dream!

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



*The external VGA display is sold separately.

Monitor/Mouse Support Coming

In 2004, Roland will release an optional VGA output board bundled with new software for full monitor and mouse support. This will allow users to edit and control the MV-8000 using drag-and-drop commands and a software-style interface. No other sampling studio can compare!

MV8-VGA
MV-8000 VGA/Mouse Expansion

Tentative Components

- VGA/Mouse Output Board
- Software CD-ROM
- PS/2 Mouse
- Owner's Manual



*The external VGA display is sold separately.