REAR PANEL

1 INPUT.
A standard 1/4" phone jack input allows you to connect your guitar, keyboard, microphone, the echo loop of your P.A. or recording mixer or any source to the DRV-2000. A −20/ +4 dB Input Level Switch allows you to set the DRV-2000 to match any source.

2 OUTPUTS.
Use both outputs for full stereo monitoring, or the L/MONO jack for a mono mix of direct-plus-processed sound.

3 SWITCH CONNECTORS.
The SW-1 and SW-2 connectors allow you to use two pedal switches (for effect cancel and program change) or insert a volume pedal for Multi Modulation.

4 MIDI CONNECTORS.
The MIDI IN connector lets you connect a MIDI keyboard for Multi Modulation. A switchable MIDI THRU/OUT connector lets you pass MIDI signals "thru" (if using a MIDI keyboard to control other MIDI devices as well as the DRV-2000) or send MIDI data "out" (when storing programs into the MEX-8000 Memory Expander, or sending program changes to a second DRV-2000).

DRV-2000 SPECIFICATIONS

■ INPUT LEVEL/IMPEDANCE: +4 dBm/10 kohm, −20 dBm/10 kohm ■ OUTPUT LEVEL/IMPEDANCE: +4 dBm (19 dBm MAX.) 1 kohm, −20 dBm (−4 dBm MAX.) 1 kohm ■ AD/DA METHOD: 16 bit Linear Conversion ■ FREQUENCY RESPONSE: 20 Hz—20 kHz +/−1 dB (direct), 20 Hz—12 kHz +1 dB, −3 dB (effect) ■ DYNAMIC RANGE (IHF-A): 95 dB (direct), 80 dB (effect) ■ DISTORTION: 0.01% (direct), 0.05% (effect)

■ EFFECTS: Reverb (Small Hall, Large Hall, Room, Garage, Vocal Plate, Instrument Plate), Gate Reverb (Gate 1/Gate 2), Delay (Stereo Echo 1/Stereo Echo 2/Stereo Echo 3), Flanger, Chorus, Space Pan, Reverb & Echo, Reverb & Chorus ■ REAR PANEL: Input Jack, Output Jacks (R, L/MONO), Control Jacks (SW1, SW2), MIDI (IN, OUT/THRU) ■ POWER CONSUMPTION: 17 W ■ DIMENSIONS: 482(W) × 291(D) × 44(H) mm ■ WEIGHT: 4 kg

OPTIONS

- **MEX-8000** MEMORY EXPANDER
- **MPK-130** MIDI PEDAL KEYBOARD
- **PS-1** PEDAL SWITCH
- **PS-2** PEDAL SWITCH
- **KVP-001** VOLUME PEDAL FOR GUITAR
- **KVP-002** VOLUME PEDAL FOR KEYBOARD
- **HC-1U** HARD CASE
- **SYNC/MIDI CABLE** (1.5 m/3 m/5 m)


PS-1


PS-2

HC-1U


KVP-001


KVP-002

MPK-130
MIDI PEDAL KEYBOARD
Can send program change commands to the DRV-2000— ideal for the performing keyboard player.

MEX-8000
MEMORY EXPANDER
For storage of up to 3 banks of user-edited programs.
It can also be used for data storage with the following Korg products: DVP-1, DW-8000, POLY-800II, EX-800, EX-8000 and DW-6000.

Specifications and features are subject to change without notice for further improvement

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N O T I C E

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KORG

KORG INC. 15-12, Shimotakaido 1-Chome, Suginami-Ku, Tokyo Japan

DRV-2000

DIGITAL REVERB

People and Technology in Harmony

KORG

with MULTI MODULATION

DIGITAL REVERB

DRV-2000

THE CREATIVE DIGITAL REVERB THAT RESPONDS LIKE A MUSICAL INSTRUMENT— BECAUSE IT RESPONDS TO THE WAY YOU PLAY

The Korg DRV-2000. Much more than a professional 24-bit digital reverberation unit. Much more than a MIDI-compatible multi-effects unit, featuring 16 programs like Gate Reverb, Stereo Echo, Flanger, Space Pan, and dual effects programs like Reverb & Echo and Reverb & Chorus. Much more than a creative sound-processor that lets you program and store up to 80 of your own effects.

The DRV-2000, like a musical instrument, can actually be controlled by the way you play. We call it Multi Modulation. It enables you to modulate parameters such as Reverb Time, Pan Speed, Echo Feedback Level and Gate Shape by the level of your playing, whether you play electric guitar, sampling keyboard, sax or even drums. Each of the DRV's 96 powerful effects programs (16 presets, 80 User Programs) can respond to your playing just as expressively as your own instrument does. MIDI users can modulate the DRV-2000's effects by MIDI touch sensitivity and a full range of MIDI controllers. You can also use optional foot controllers for Multi Modulation, as well as for selecting programs and cancelling effects, leaving your hands free to play your music.

The Korg DRV-2000 Digital Reverb—it responds like a musical instrument.

MULTI MODULATION

The DRV-2000 allows you to select, for each effects program, two parameters to be controlled by Multi Modulation. You can then select a control source from three categories. INPUT LEVEL: The level of your playing (or even your singing). MIDI: A full range of MIDI controllers, as well as MIDI Note Number, Key Velocity, and After Touch. VOLUME PEDAL: An optional volume pedal.

For each parameter, the Multi Modulation sensitivity can be set anywhere from −100% to +100%. For example, you could control Reverb Time by MIDI Key Velocity. Set the Multi Modulation sensitivity to +100% and the Reverb Time will increase as you play louder, to add power to dynamic solos. Set the sensitivity to −100% and the Reverb Time will increase as you play more softly, to add atmosphere to quiet passages.

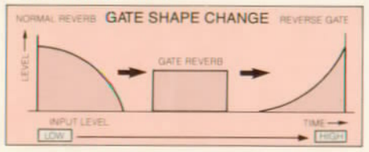
On all programs, you can Multi Modulate the Input level or Output Level, so that you have complete control over the overall level of the processed-sound/direct-sound mix from your instrument. And when you change programs (using an optional foot switch) the parameters that you have selected for Multi Modulation change automatically. The DRV-2000 is designed so that during a performance you need never touch the controls on the main unit—you're totally mobile.

Let's take a closer look at some applications of Multi Modulation.

INPUT LEVEL

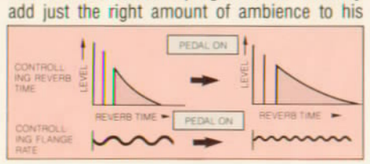
With the DRV-2000, control of digital effects is not just for MIDI users. Any player can control parameters just by the level of their playing. Natural, realistic effects can be created, such as having the Reverb Time increase when you play louder. Special effects are easy too, like Multi Modulating the Space Pan so that when you turn up for a solo, the sound pans dramatically between your speakers.

You could take advantage of the DRV-2000's variable Gate Shape feature and use input level to modulate the Gate Reverb program so that your playing actually affects the type of reverberation that you hear.



VOLUME PEDAL

Another plus for non-MIDI users. A volume pedal such as the Korg KVP-001 can be used to control any two selected parameters. For example, a pianist could use a volume pedal to increase the Reverb Time of any of the DRV-2000's six natural Reverberation programs, to instantly add just the right amount of ambience to his sound. Or an electric guitarist could use a volume pedal to simultaneously control the speed and depth of the Flanger program.



MIDI CONTROL

Of course, the DRV-2000 is fully compatible with MIDI (Musical Instrument Digital Interface), the technology that allows digital instruments to control each other. This means that you can set selected parameters to respond to a wide range of MIDI controls, including:

■ Key Velocity ■ After Touch ■ MIDI Note Number ■ Pitch Bender ■ Foot Controller ■ Data Entry Keys ■ Modulation Controller

This permits an enormous variety of MIDI control possibilities, such as:

■ Controlling Echo Feedback by the Pitch Bend controller on your synth. This lets you lengthen echo on high lead lines, then shorten echo to prevent "muddying" of lower-pitched passages.

■ Using a MIDI drum machine such as the Korg DDD-1 Dynamic Digital Drums to control Reverberation Time. You can set each instrument on the DDD-1 to transmit a different MIDI Note Number, automatically varying the reverb effect: a long, thunderous reverb on the snare; medium reverb on the Toms; short reverb on the bass drum.

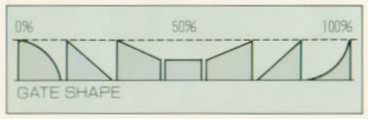
■ Selecting MIDI Note Number for Multi Modulation so that the depth and rate of chorus or flanging varies according to the pitch of the notes you play on your DSS-1 Digital Sampling Synthesizer or any MIDI keyboard.

THE PROGRAMS

The DRV-2000 is principally a powerful, state-of-the-art digital reverb unit. It provides remarkably rich stereo digital reverberation which will enhance any performance and add natural acoustic ambience to recordings. The six reverberation programs all feature an "Early Reflection" parameter, realistically creating the initial sound reflections occurring in various environments, from a large concert hall to a garage. There are also Reverb programs especially designed for vocal and instrument sounds. It also provides a number of other superb effects programs. You can edit (modify) any of the DRV-2000's programs, to create up to 80 of your own programs, to exactly suit your needs.

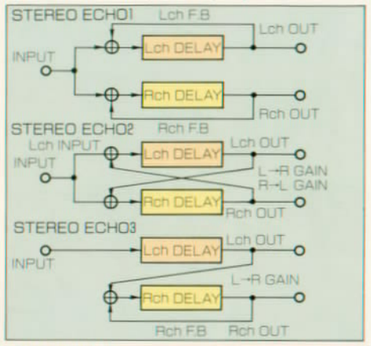
GATE REVERB

The Gate Reverb programs let you create a popular studio-type effect (for that Phil Collins drum sound) where a long reverb is abruptly and dramatically cut short. And you can vary the shape and length of the gate, from normal reverb, to straight gate, to reverse gate, for a variety of powerful contemporary effects.



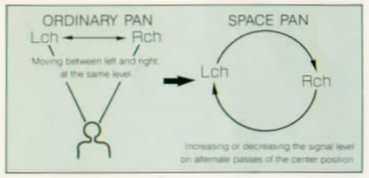
STEREO ECHO

Three types of Stereo Echo, utilizing different types of signal routing, permit an enormous range of tape-echo and digital delay type effects, with time and feedback level of left and right channels independently adjustable.



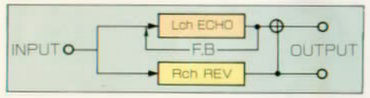
SPACE PAN

The Space Pan takes automatic panning to new dimensions—its Pan Depth parameter allows you to create a circular panning effect, by increasing or decreasing the signal level on alternate passes of the center position. And of course this effect is widely variable in rate and depth.



REVERB & ECHO

The DRV-2000's vibrant Reverb & Echo program permits the creation of really rich, natural reverberation treatments by combining, in parallel, a reverberation effect on the right channel with a delay/echo effect on the left channel.



REVERB & CHORUS

Routing your input signal first to a reverb processor, then to a stereo chorus processor, the Reverb & Chorus program adds a thick, deep modulation effect to multiply and transform the tone of any instrument.

PRESET PROGRAM CHART

Program No.	Program name	Parameters 1	2	3	4	5	6	7	8	9	10
1	REV (S HALL)	REV TIME (0.3 ~ 10.0s)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
2	REV (L HALL)	REV TIME (0.3 ~ 10.0s)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
3	REV (ROOM)	AMBIENCE (0 ~ 100%)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
4	REV (GARAGE)	REV TIME (0.3 ~ 7.0s)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
5	REV (VOCAL)	REV TIME (0.3 ~ 5.0s)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
6	REV (INST)	REV TIME (0.3 ~ 5.0s)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
7	GATE REVERB 1	GATE SIZE (1 ~ 50)	PRE DLY (0.1 ~ 70.0ms)	GATE SHAPE (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
8	GATE REVERB 2	GATE SIZE (1 ~ 50)	PRE DLY (0.1 ~ 70.0ms)	GATE SHAPE (0 ~ 100%)	H. DAMP (1 ~ 10)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
9	STEREO ECHO 1	Lch DLY (0.1 ~ 800.0ms)	Rch DLY (0.1 ~ 800.0ms)	Lch F.B (−100 ~ 100%)	Rch F.B (−100 ~ 100%)	H. DAMP (1 ~ 10)	Lch INPUT (0 ~ 100%)	Rch INPUT (0 ~ 100%)	Lch OUT (−100 ~ 100%)	Rch OUT (−100 ~ 100%)	OUT MODE (STEREO, MONO)
10	STEREO ECHO 2	Lch DLY (0.1 ~ 800.0ms)	Rch DLY (0.1 ~ 800.0ms)	L→R GAIN (−100 ~ 100%)	R→L GAIN (−100 ~ 100%)	H. DAMP (1 ~ 10)	Lch INPUT (0 ~ 100%)	Rch INPUT (0 ~ 100%)	Lch OUT (−100 ~ 100%)	Rch OUT (−100 ~ 100%)	OUT MODE (STEREO, MONO)
11	STEREO ECHO 3	Lch DLY (0.1 ~ 800.0ms)	Rch DLY (0.1 ~ 800.0ms)	L→R GAIN (−100 ~ 100%)	Rch F.B (−100 ~ 100%)	H. DAMP (1 ~ 10)	Lch INPUT (0 ~ 100%)	Lch OUT (−100 ~ 100%)	Rch OUT (−100 ~ 100%)	OUT MODE (STEREO, MONO)	
12	STEREO FLANGER	MOD FREQ (1 ~ 49)	MOD DEPTH (0 ~ 30)	MOD DLY (0.05 ~ 30.0ms)	F.B GAIN (−100 ~ 100%)	Lch 1 DLY (0.1 ~ 50.0ms)	Rch 1 DLY (0.1 ~ 50.0ms)	Lch 1 LVL (−100 ~ 100%)	Rch 1 LVL (−100 ~ 100%)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)
13	STEREO CHORUS	MOD FREQ (1 ~ 49)	MOD DEPTH (0 ~ 30)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)						
14	SPACE PAN	PAN SPEED (1 ~ 34)	PAN DEPTH (0 ~ 30)	TREMOLO (0 ~ 30)	PHASE (0° ~ 345°)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)				
15	REVERB & ECHO	REV TIME (0.3 ~ 10.0s)	PRE DLY (0.1 ~ 70.0ms)	H. DAMP (1 ~ 10)	Lch DLY (0.1 ~ 300.0ms)	Lch F.B (−100 ~ 100%)	L IN (E) (0 ~ 100%)	R IN (R) (0 ~ 100%)	L OUT (E) (−100 ~ 100%)	R OUT (R) −100 ~ 100%)	OUT MODE (STEREO, MONO)
16	REVERB & CHORUS	REV TIME (0.3 ~ 10.0s)	PRE DLY (0.1 ~ 70.0ms)	E/R LVL (0 ~ 100%)	H. DAMP (1 ~ 10)	MODE FREQ (1 ~ 49)	MOD DEPTH (0 ~ 30)	INPUT (0 ~ 100%)	OUTPUT (−100 ~ 100%)		

These parameters can respond to Multi-Modulation.