DDD-1 ROM CARD SOUND LIBRARY
Digital PCM recordings of real instrument sounds

A. DRUM SETS
   ROCK 1, ROCK 2, JAZZ 1, FUSION 1, E.DRUM 1, E.DRUM 2, GATE REVERB 1, BRUSHING 1

B. PERCUSSION
   LATIN 1, LATIN 2, LATIN 3, LATIN 4, JAPANESE 1, ETC 1

C. SOUND EFFECTS
   ORCHESTRA 1, VARIATION 1, VARIATION 2, VARIATION 3

D. CYMBALS
   CYMBAL 1, CYMBAL 2, CYMBAL 3

DDD-1 SPECIFICATIONS

- **INSTRUMENTS**: Bass Drum, Snare Drum, Tom 1, Tom 2, Tom 3, Roto Hat, Closed Hi Hat 1, Open Hi Hat 2, Ride, Crash, Cymbal, Tambourine, Cowbell (Total 10 Sound Sources)
- **Up to four ROM cards installable at once**
- **Can also use Sampling Board**
- **MEMORY**: 100 patterns, 10 Songs (6-9), 10 INSTRUMENT SETTINGS, 30 Tone (4-127), Total Tone (6-127), Volume (1-100), Output Level (1-100), Output Level (L, R, C, L, C, R, L, C, R, L), Master Level (1-100)
- **Sequences**: 100 patterns, 10 Songs (6-9), 10 INSTRUMENT SETTINGS, 30 Tone (4-127), Total Tone (6-127), Volume (1-100), Output Level (1-100), Output Level (L, R, C, L, C, R, L, C, R, L), Master Level (1-100)
- **Options**: MEMORY CARD ROM, MEMORY CARD RAM, SAMPLING BOARD, SKY-1000 DYNAMIC STEREO HEADPHONES, PS-1 PEDAL SWITCH, PS-2 PEDAL SWITCH, TWC-220 CABLE (1m)

NOTICE

KORG EXCLUSIVE DISTRIBUTOR IN ENGLAND
KORG (UK)
130-30, Gunson House Road, London NW9 1NE
Phone: 01-267-1152

KORG INC.
13-12, Shinonome-cho, Cheme, Suganum-ku, Tokyo Japan

*Specifications and features are subject to change without notice for further improvement.*
Naturally Musical Rhythm with State-of-the-Art Features.
The Drum Machine that Works like a Drum Kit.

A breakthrough called "dynamics" is what really puts the DDD-1 ahead of the pack. The loudness of each drum sound depends on how hard you strike the key—like on real drums. Or you can preset the dynamics, tuning and decay of individual drums and sequence them for automatic play. Eighteen drum and percussion sounds are built in. You can add many more with ROM cards. Or create your own with the sampling board option. Fully supports MIDI—playable from another keyboard or sequencer. Professional throughout, with the specs to prove it. At last, a drum machine with the versatility of real drums.

**D.D.D.1**

**Dynamics, Tuning, and Decay Control for Naturally Realistic Response**
Touch sensitive keys give you the same kind of control as with real drums. The harder you tap, the louder the volume. Key sensitivity is individually adjustable in ten steps for each instrument. You can also set each instrument's pitch, decay, and output level. For custom pitch control, each instrument is tunable in 128 steps over the space of an octave. Decay is adjustable in 16 steps per instrument to allow muting and other effects.

Whether you program a sequence in real time or a step at a time, you can still change the tuning, decay and dynamics afterward. You can make the toms sound like congas or even bongos.

**Arrange Your Drums Any Way You Like with New "Key Assign" function**
Each of the fourteen instrument keys can be assigned to any sound. You choose from not only the eighteen supplied sounds but also from up to four optional ROM cards in the DDD-1 at one time, and even sampled sounds that you record yourself. You can put your drums in any arrangement that you like.

**Expand Your Sonical Vocabulary with ROM Card and Sampling Board Options**
Digital ROM recording give you the impact of real drums with acoustically accurate attack and decay. The built-in '18 drum sounds include two different bass drums, snare drums, open hi-hats and closed hi-hats. For percussion variety you get tambourine, cowbell, and cabasa. To supplement these supplied instruments you can insert up to four ROM cards internally, mixing and matching as you choose. Even add your own completely original sounds with the optional sampling board. MONO, POLY or EXCLUSIVE modes may be assigned to each instrument to determine how different sounds work together. MONO means that each sound starts anew, cutting off any existing decay. POLY allows up to twelve sounds to overlap each other, like in a real drum set. The EXCLUSIVE mode prevents interference between particular sounds—an easy way to ensure against simultaneous open and closed hi-hat.

**RAM Cards for Programmed Song Sequences**
There are two ways you can program the DDD-1. Play the keys in "real time" as you would a drum set. Or program your patterns one step at a time. The beat can be set for anything from 1/4 to 64/32 per pattern so you can easily change time signatures in the middle of a song. Shortest note resolution is settable over a range of 1/4 - 1/64. Independent roll and drum keys have adjustable parameters for fine control. "Swing" can be set in ten steps from 50% to 50% to help get the rhythm in the groove. For pattern editing you have copy, append, clear and other functions. For song creation and editing you can repeat patterns up to 99 times, change the tempo with each pattern, and take advantage of powerful commands like insert, delete, and clear. Large memory capacity holds up to 100 patterns and ten songs of up to 9999 bars. A song is made up of a maximum of 555 "parts." Both a pattern and a song can be used as a part, so it's very easy to chain songs together. Store your songs on the ROM cards for future use. OR, via MIDI to the Korg SGD-1 Sequencer or other external devices. Operation is simplified by an interactive programming system with large LCD readout.

**Advanced MIDI System Applications**
Use any of MIDI's sixteen channels for transmission and reception. You can program DDD-1 sequences from any MIDI keyboard. You can even control tuning, decay and dynamics by playing the keyboard itself. The DDD-1 responds to MIDI program change messages so you can change the instrument sounds by remote MIDI control from another unit. With the DDD-1's sequencer's quick disk you can store the entire contents of DDD-1 memory. Tempo is adjustable by tapping a front panel button or foot switch, and is programmable for each song as well. Audio input can be used not only for sampling but also to trigger DDD-1 sounds in response to the input signal's envelope. The tape jacks can be used for sync with a multi-track recorder. Pfeffrit inputs and outputs ease interfacing with other equipment.