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 REVP. 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 x 2, Snare Drum x 2, Tom 1, Tom 2, Rim shot, Closed Hi Hat x 2, Open Hi Hat x 2, Rolls, Crash, Cowbell, Tambourine, Cymbals (10), hi-lo Gong, Piano, up to 4 ROM cards installable at once
- Sampling board: MEMORY: 100 patterns, 10 Songs (8 - 8) - INSTRUMENT SETTINGS: Setting Select (0 - 31), Sound Effects (1 - 31)
- OPTIONS:
  - MEMORY CARD ROM
  - MEMORY CARD RAM
  - SAMPLING BOARD
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KH-1000 DYNAMIC STEREO HEADPHONES
PS-1 PEDAL SWITCH
PS-2 PEDAL SWITCH
TW-105 TWIN CABLE (5m)
SYNCHRO CABLE (1.5m/3m/5m)
HC-DD1 HARD CASE

MEMORY CARD ROM
- Each card contains all DDD-1 internal memory setting data
- Includes six different settings
- Valuable for studio and live use

MEMORY CARD RAM
- Each card contains all DDD-1 internal memory setting data
- Includes six different settings
- Valuable for studio and live use

SAMPLING BOARD
- Let you make digital recordings of sounds for use as instruments in the DDD-1
- Maximum 30 seconds sampling time
- Single and double sampling modes
- Easily made by playing in slot inside the DDD-1

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NOTICE
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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 sounds 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.

MODES:
- Pattern Play/Record Mode: For playing and recording rhythm patterns.
- Pattern Edit Mode: For editing patterns.
- Song Play/Edit Mode: For playing, editing and setting songs.
- Instrument Setting Mode: For instrument key and sound assignments.
- System Setting Mode: For setting DDD-1 MIDI clock and sampling parameters.
- Data Transfer Mode: For transferring data between the DDD-1 and other equipment.

Expand Your Sonic Vocabulary with ROM Card and Sampling Board Options

Digital recording adds the real 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 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 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. Shorten note resolution switchable over a range of 1/4 - 1/56. Independent roll and flam keys have adjustable parameters for fine control. "Swing" can be set in ten steps from 59% to 80% 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. Specify 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 9866 bars. A song is made up of a minimum of 256 "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 tape, on fast and dependable RAM cards, or via MIDI to the Korg DDD-1. Sequencers 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 a programmable parameter 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. Plentiful inputs and outputs ease interfacing with other equipment.