

Imagine the power: 36 banks of sounds and sequences on-board—each bank accessible in just 4 seconds. These are features formerly found on only the most sophisticated (and expensive) sampling systems. The power of hard disk-based sampling instruments is well known to professional musicians. The ability to store large quantities of sounds and load them instantly has literally changed the process of creating and performing music.

With the Emulator II + HD™, E-mu was the first to make hard disk systems both affordable and fully portable. Now, E-mu Systems brings you the Emax HD: the first and only instrument in its class to feature this advanced sound storage technology.

The Emax HD™ Digital Sampling System

Powerful Hard Disk Technology
Made Affordable

hard drive, selecting the one you want with just the push of one button. That means no more time wasted hunting through stacks of floppy disks.

Fast Access

Another advantage of hard disk technology is its lightning fast load time. The Emax HD will load an entire bank of sounds in just 4 seconds. On the stage or in the studio, the Emax HD responds immediately to your creative ideas.

Largest Library

The Emax HD is fully compatible with the Emax Sound Library, the largest, most powerful library available among comparably priced samplers. With the standard 3.5" micro floppy drive, you can load the hard disk with your own samples, sounds from E-mu's library, or any of the many sounds available from third party developers.

20 Megabytes of Sound Storage

The Emax HD features a rugged internal hard drive that allows you to store 20 megabytes of sounds and sequences, the equivalent of 36 sound disks. Our Search feature allows you to scroll through all the sounds on your

All the Power of the Emax™

Whether you choose the Emax HD keyboard or its twin, the Emax HD Rack™, you get all the powerful features of the standard Emax: 19 seconds sampling time (at 28kHz), variable sampling rates, 12 bit resolution, on-board sequencer, crossfade looping, programmable stereo panning, flexible assignment scheme (up to 122 samples on the keyboard at one time), individual channel outputs and stereo outputs, extensive MIDI implementation and much more.

The new Emax HD Digital Sampling System. Unlimited sampling power for the limited budget.



E-mu Systems, Inc.
applied magic

1600 Green Hills Road
Scotts Valley, CA 95066
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E-mu Systems

Emax HD Digital Sampling System Specifications

Controls

Sliders

Mix volume, Data

Keypad

Select preset, Select menu function, Enter data

Cursor Control

Cursor left, Cursor right

Data Entry

Increment/Yes/On, Decrement/No/Off

Master Control

Master tune, Memory remaining, Select velocity curve, Erase all memory, Format disk, Copy bank/Restore bank/Back-up bank, Bird Run, Special functions

Sample

VU mode, Place sample, Sample rate, Sample length, Set threshold, Arm sampling, Force sampling, Stop sampling

Digital Processing

Truncate-start/end; Loop-start/length; Release loop-start/length; Mode-Loop on, Loop in release, Backwards; Layer; Splice; Combine; Crosstade loop; Digital effects

Preset Management

Load preset, Save all presets, Create preset, Erase preset, Copy preset, Rename preset, Display preset size

Preset Definition

Copy voice(s); Edit assignment; Erase voice; Set velocity crosstade; Set velocity switch; Set positional crosstade; Arpeggiator-On/off, Pattern, Range, Extension, Velocity sense, Interval, Latch, Note value, Tempo, Clock source; MIDI parameters; Pitch bend range; Realtime Control; Continuous Control Sources—Left wheel, Right wheel, Pressure, Pedal A/D, MIDI control A-B, Destinations—Pitch, Filter Fc, Level, LFO to Pitch, LFO to Filter, LFO to level, Attack rate, Panning, Crosstade; Switch Control Sources—Footswitches 1 & 2; Destinations—Arpeg. control, Arpeg latch, Sequencer control, Sustain, Release, Cross-switch, Advance preset

Analog Processing

Voice attenuation, Voice tuning, Voice delay, VCA AHDSR parameters, Filter frequency, Filter resonance, Filter envelope mod amount, Filter keyboard tracking, Filter AHDSR parameters, LFO rate, LFO delay, LFO variation, LFO to vibrato, LFO to tremolo, LFO to filter, LFO to panning, Velocity to level, Velocity to filter, Velocity to resonance, Velocity to pitch, Velocity to VCA attack, Velocity to filter attack, Velocity to panning, Channel panning, Chorus, Keyboard mode-solo/nontranspose, Control enable

Sequencer

Select sequence; Setup; Track status, Track preset, Auto extend, Erase track, Bounce track, Supermode; Manage; Tempo, Clock source, Load sequence, Erase sequence, Copy sequence, Rename sequence; Record; Play; Stop

Specifications

Computer

Sample length—19 seconds at 28kHz sample rate; Sample rate—Selectable, 10kHz-42kHz; Data format—Proprietary, resolution equivalent to 12 bit linear coding; Frequency range—20Hz-20kHz; Channels—Eight, two samples per channel

Keyboard

Keyboard range—5 octave/61 key C to C; MIDI response range—full 88 key; Velocity sensing—programmable sensitivity; Velocity response—16 response curves, selectable; Splits—up to 60, programmable

Analog Processing

VCF—4 pole lowpass filter, one per channel; VCA—one per channel; Envelope generator—AHDSR, two per channel; LFO—one per channel

Data Storage

20 megabyte hard disk drive (stores 36 floppies), Each bank loads in under 4 seconds, 3.5" micro floppy diskettes

Inputs

Sample, MIDI, Voltage A/D, Footswitches 1 & 2, External clock

Outputs

Mono mix, Stereo Mix, Individual channels (8), MIDI, Clock

Computer Interface

RS-422

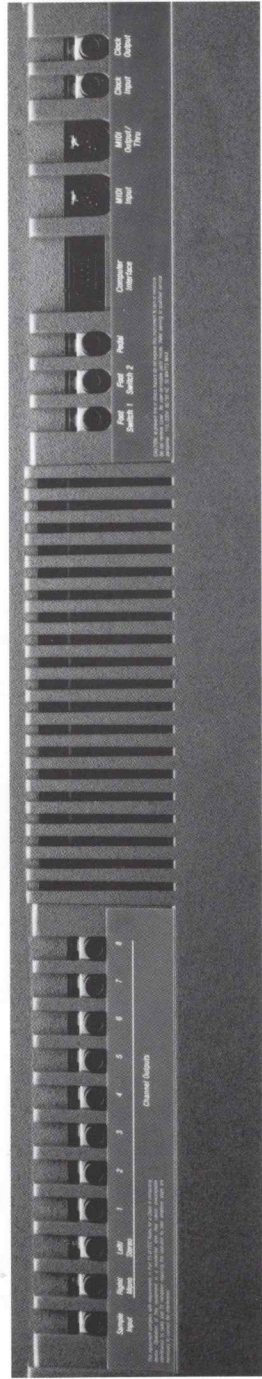
Keyboard Dimensions

Height: 5.29" (rear), 2.94" (front), Width: 16.29" (front to back), Length: 43.14", Weight: 48 lbs 6 oz.

Rack Dimensions

Height: 5.25", Width: 17.25" (with Rackmount Brackets: 18.75"), Depth: 13.625", Weight: 18 lbs 6 oz.

Specifications subject to change without notice.



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