

## MC-505 groovebox

### Fat Sounds, Futuristic Controls, Bold New Grooves!



Demo Video Available.  
Call 1(800) 386-7575  
to order (\$5.00)

*The MC-505 Groovebox builds upon the successful MC-303 as a self-contained, retro-styled dance music sequencer and sound module with newly upgraded sounds and powerful, futuristic features. Among these new features are the revolutionary D-Beam light-sensing controller and a MEGAMIX function for intuitive realtime mixing of beats and patterns — making the MC-505 a DJ, hip-hop, techno or dance music artist's dream come true.*

- Professional Groovebox featuring high-performance sound engine: 64-voice polyphony, steeper filters, ADSR envelope for editing sounds, powerful effects
- 714 onboard dance music patterns developed by cutting-edge sound designers worldwide
- 512 built-in sounds and 26 rhythm sets, including the latest dance, hip-hop and techno music sounds and classic drum and synth sounds (TB-303, TR-808, JUNO, Jupiter, etc.)
- Revolutionary D-Beam Controller allows for effects and sound/note control via hand and body movement over infrared light beam
- Three independent, synchronizable effects processors; powerful onboard Arpeggiator
- MEGAMIX function allows for intuitive pattern creation by combining rhythms and parts of one pattern with another
- Full MIDI implementation; enhanced sequencer section with increased note storage; multiple outputs (3 stereo/6 mono); new assignable Part Mixer sliders
- SmartMedia™ slot accepts external 2MB and 4MB SmartMedia™ cards for unlimited pattern and patch storage and direct pattern playback

### Fat Sounds!

Thanks to its 64-voice polyphony and a new high-performance sound chip, the MC-505 Groovebox offers 512 of the fattest sounds on the dance music scene. 26 specially-created onboard rhythm kits deliver low kicks, snares and hits galore, meaning that from the latest lo-fi techno and hip-hop sounds to all those classic Roland drum and synth

sounds (TB-303, TR-808, TR-909, Juno, Jupiter, et al.), the MC-505's got it covered. And to ensure that groove-heads get exactly the sound they're after, the 505 offers steep filtering, ADSR envelope controls, enhanced LFO and Filter/Amplifier controls and a Low Boost knob with an Octave switch (warn the neighbors now).

## Bold New Patterns

Making full use of these sounds, the MC-505 features 712 preset dance music patterns, ranging from the latest Trance, Ambient, and Drum 'n' Bass grooves to Reggae, Old-School, Funk and Hip-Hop. These patterns were developed by some of the world's foremost sound designers, and they can be used "as is" or edited and combined into unique new User patterns

## Powerful Effects

The MC-505 features three independent, synchronizable onboard effects processors, offering powerful reverb, chorus and delay sounds, as well as new cutting-edge effects like "Radio Tuning" for simulating radio static, "Phonograph" for simulating record player noise, and "Slicer" for rapidly muting and un-muting audio signals in time with the beat. In all, 24 insert effects complement the dedicated reverb and delay effects, with rate parameters automatically sync'd to tempo.

## The Amazing D-Beam Controller

One of the most innovative enhancements to the MC-505 is the revolutionary new D-Beam Controller\*. The D-Beam controller allows musicians to control MC-505 effects, sounds and note information with hand and body movement through an invisible, infrared beam of light. D-Beam effects include "Turntable," which can be used to control tempo by raising or lowering the hand over the light beam; "Cutoff & Resonance," which simultaneously controls a note's cutoff frequency and resonance parameters according to subtle hand motion; and "Ad Lib," which allows for improvising melodies using one of 21 preset scales. In addition to greatly increasing the MC-505's expressive capabilities, the D-Beam controller enhances the onstage, visual aspects of performance. And better yet, all D-Beam control information can be transmitted from the MC-505 via MIDI.



\*D-Beam controller technology has been licensed from Interactive Light, Inc.

## Professional Sequencing and MIDI Features

As a self-contained professional dance music workstation, the MC-505 offers full MIDI control, with knob and slider movements output via MIDI for easy editing; sound editing while listening to phrases from an external sequencer; three stereo audio outputs (six mono) for external processing; and a new assignable Part Mixer for slider-based control of part level, panning, key shift, reverb and delay send levels. The onboard sequencer capacity has been increased to 95,000 notes, while a new SmartMedia™ card slot allows for external pattern and patch storage via 2MB and 4MB SmartMedia™ cards. By adding a single 4MB card, the MC-505 can store an additional 480,000 notes (200 patterns), 512 patches and 20 rhythm sets. And direct SmartMedia™ pattern and song playback is possible for live performance applications.



■ MC-505 rear view

Specifications	
Parts	24 (Main 8 + RPS 16)
Max. Polyphony	64 voices
Patches	Preset: 512, User: 256, Card: 512
Rhythm Set	Preset: 26, User: 20, Card: 20
Effects	Reverb, Delay, EFX (24 types)
Sequencer	
Tracks	8 + Mute Control Track
Resolution	96 ticks per quarter note
Tempo	20.0 - 240.0
Songs	50
Patterns	Preset: 248, RPS: 466, User: 200 (Max.), Card: 200 (Max.)
Max. Note Storage	Internal: approx. 95,000 notes Optional 2MB Card: approx. 220,000 notes Optional 4MB Card: approx. 480,000 notes
Quantize	Grid, Groove (71 types), Shuffle
Arpeggiator	53 styles
RPS	60 sets, 16 phrases per set
PatternAssign	30 sets, 16 patterns per set
D-Beam Controller	28 types
Display	16-character 2-line LCD, 7-segment 6-character LED
Connectors	Mix Output (L/MONO, R), Direct Output 1 (L/MONO, R), Direct Output 2 (L/MONO, R), Headphone Jack, MIDI (IN, OUT), Foot Control Jack, Memory Card Slot, AC Inlet
Power Supply	AC117V, AC230V, AC240V
Power Consumption	12W (AC117V), 14W (AC230V/240V)
Dimensions	462(W) x 320(D) x 110(H) mm 18-3/16 x 12-5/8 x 4-3/8 in.
Weight	5 kg/11 lbs. 1 oz.
Options	SmartMedia™: S2M-5/S4M-5

\* The specifications and appearance are subject to change.