



MC-307 Groovebox

The Groovebox for Turntablists



If you can spin records, you can make music with the MC-307 Groovebox. Designed from the ground up for DJ's and live performance, this integrated groove music workstation makes it easy to pound out some serious grooves, live or in the studio. A new Turntable Emulation slider makes adjusting a pattern's pitch and tempo just like mixing vinyl records, while a streamlined user interface makes operation easy—even for those having little experience with musical instruments. More sounds and all-new patterns make the MC-307 the hands-down Groove champion.

- Groove music workstation (sequencer/sound module) with 64-voice sound engine
- 240 new patterns covering popular styles like techno, house, hip-hop, and drum 'n' bass
- 16MB of dance-oriented synth and drum instruments plus many new sounds
- Powerful sequencer with improved TR-REC method for easily inputting rhythms, scales and chords
- Turntable Emulation provides independent slider-based control over pitch/tempo with instant adjustment via Push and Hold buttons
- Three independent, synchronizable effects processors and onboard Arpeggiator
- Graphical LCD and four assignable control knobs eliminate layered menus
- Grab switch with M-FX (including Isolator) for creating interesting rhythmic effects

** Product pictured is a prototype model. Actual product appearance may be subject to change.*

Turntable Emulation Captures the Feel of Vinyl

To make playing the MC-307 more like mixing records, Roland created Turntable Emulation. Based on a turntable-style slider design, this new controller allows DJ's to adjust a pattern's pitch and tempo (together or independently) on the fly, making it easy to integrate the Groovebox into live DJ sets. Using the Push and Hold buttons, you can instantly "nudge" a pattern to catch up with the beat of another source or "drag" it for perfect beat mixing—much like using your hands on a vinyl record. In fact, even those who have never played a musical instrument can use the MC-307, thanks to its ultra-intuitive interface. Say "goodbye" to confusing layered menus and "hello" to a graphic LCD linked to four function buttons for quick navigation of all parameters.

Slammin' Patterns and Sounds

At the heart of the MC-307 is a 64-voice sound engine with 16 MB of wave memory—twice that of the MC-505. In all, there are 800 Preset Patches and 40 rhythm kits covering the entire spectrum of dance music—from lo-fi hip-hop to hardcore futuristic techno. All of these sounds can be tweaked in realtime using dedicated knobs for Cutoff, Resonance and LFO, or any of the four assignable control knobs and Grab switch. With 240 all-new Preset patterns—including techno, house, hip-hop, lounge, Latin, and drum 'n' bass—the MC-307 will sound fresh for years to come. Of course, there's also plenty of room to program User Patches and patterns.

Innovative Effects and Killer Grab Switch

The MC-307's onboard effects processors are truly stunning. They include dozens of ways to spice up individual parts or tweak an entire mix, including flangers, choruses, Lo-fi, Slicer and much more—all of which can be sync'd to BPM. Borrowed from Roland's popular DJ-2000/1000 Professional DJ Mixers, the MC-307's Grab switch allows DJ's to tweak effect parameters in realtime much like a transform switch. When used in conjunction with the new Isolator effect, the Grab switch allows users to completely cut the low, mid, or high frequencies with rhythmic precision.



Preset Pattern List

TECHNO: 90	HOUSE: 52	DRUM&BASS: 24	REGGAE: 5
Psy Trance (10)	Garage House (7)	Artcore (5)	Reggae (5)
Trance (8)	House (8)	JazzStep (5)	
Minimal (12)	Chicago House (6)	Drum'n'Bass (4)	LATIN: 15
DetroitTechno (9)	US HardHouse (12)	HardStep (3)	Salsa (1)
New Electro (8)	Latin House (3)	Darkcore (4)	Samba (1)
Early Techno (5)	UK HardHouse (10)	Jungle (3)	Merengue (2)
Industrial (5)	Progressive (6)		ChaCha (2)
Ambient (6)		BREAKBEATS: 7	Mambo (3)
Dream Trance (10)	HIPHOP: 37	BreakBeats (7)	Plena (1)
NU-NRG (5)	HipHop East (12)		Son (2)
Gabba (7)	G-Funk (8)	JAZZ: 10	Mozambique (1)
HappyHardcore (5)	Abstract (5)	Jazz (5)	Cumbia (2)
	Electro (5)	Lounge (5)	
	R&B (5)		
	NewJackSwing (2)		

Specifications

Max. Polyphony
64 voices

Parts
Main: 8 + RPS: 16

Patches
Preset: 800, User: 256

Rhythm Set
Preset: 40, User: 20

Effects
Reverb: 6, Delay: 2, M-FX: 25

<Sequencer>
Tracks: 8 + Mute
Ctrl Resolution: 96 TPQN
Tempo: 20.0 to 240.0 (Max.)
Max. Note Storage: 95,000 notes
Patterns Preset: 240, RPS: 470, User: 200
Songs: 50
Recording Method: Realtime, TR-REC
Quantize: Grid, Shuffle, Groove (71 types)
Arpeggiator: Preset: 43, User: 10
RPS set: 60
Pattern set: 30

Display
136 x 32 dots backlit, Graphic LCD, 7-segment
25-character, 7-segment LED 4-character (LED)

Knobs
Cutoff, Resonance, LFO1, Assignable 1 to 4

Turntable Emulation block
Turntable Emulation slider, Turntable PUSH/HOLD button |
Grab Switch

Connectors
Headphones, Output (L/MONO, R), MIDI (IN, OUT), Foot
Control

Power Supply
DC9V

Current Draw
1000mA

Dimensions
422 (W) x 277 (D) x 98 (H) mm / 16-5/8" x 10-15/16" x
3-1/2"

Weight
2.2kg / 4 lbs. 14 oz.



MC-307 Rear Panel