

Roland®
MC-505
GROOVEBOX

TURBOSTART

••• **ROLAND MC-505 TURBO FACTS** •••

The MC-505 Groovebox builds upon the successful MC-303 as a self-contained, retro-styled dance music sequencer and sound module with powerful new sounds and realtime controls.

Features include:

- High performance sound engine with 64 voice polyphony
- Multi-mode resonant filters
- Front panel ADSR envelope controls
- Revolutionary D-Beam Controller for effects and sound/note control via hand movement over an infrared light beam
- 714 onboard dance music Patterns
- 512 built-in sounds and 26 rhythm sets.
- 3 independent effects processors
- MEGAMIX function allows for intuitive pattern creation by combining rhythms and Parts of one Pattern with another
- Enhanced MIDI implementation
- 6 Audio Outputs
- Low Boost circuit with octave control provides low end punch
- Uses Smart Media cards for external Pattern and Patch storage (512 Patches/200 Patterns on a single card).
- Onboard sequencer capacity increased to 95,000 notes (up to 480,000 notes on a 4MB Smart Media card).

• **Restoring Factory Settings**

- 1) Hold SHIFT and turn the power on.
- 2) Press ENTER.

Note: The procedure takes approximately 4 minutes

• **Playing the Demo Songs**

- 1) If the MC-505 is playing, press STOP.
- 2) Simultaneously press EXIT and ENTER.
- 3) Use the VALUE DIAL to select a demo song.
- 4) Press PLAY to start playback.
- 5) Press STOP to end playback. Press EXIT to leave the Demo Mode.

• **Playing Patterns**

The MC-505 contains 714 onboard preset Patterns. Use the following procedure to play these Patterns.

- 1) Press MODE so that the PTN indicator lights.
- 2) Press PTN/SONG in the DISPLAY section.
- 3) Press PRESET in the BANK section.
- 4) Use the VALUE DIAL to select the desired Pattern.
- 5) Press PLAY. While the Pattern is playing, you can use the VALUE DIAL to select the next Pattern.
- 6) Press STOP to halt playback.

• **Using the Mute Function**

Use the following procedure to mute any Part of a Pattern while it is playing back:

- 1) Select a Pattern and press PLAY.
- 2) Press PART MUTE so it is lit.
- 3) Press the PART BUTTONS (R-7) to Mute the selected Part. The PART BUTTON will blink.
- 4) Press the PART BUTTONS (R-7) again to activate the selected Part.

• **Modifying Sounds in Realtime**

Use the following procedure to modify the sound you are currently playing using the front panel controls:

- 1) Press PART SELECT so it is lit.
- 2) Use the PART BUTTONS (R-7) to select a Part.
- 3) Play the keyboard pads and the selected Patch will sound. Use the OCTAVE +/- buttons to shift the Patch down or up.
- 4) Rotate the CUTOFF knob as you play the keyboard pads.
- 5) Experiment with the RESONANCE, LFO DEPTH, and PORTAMENTO knobs.
- 6) Now try changing the ENVELOPE A, D, S and R sliders.

Note: You can use the same controls to modify a Part that is playing back in a Pattern.

• **Using the Arpeggiator**

Use the following procedure to activate the Arpeggiator:

- 1) Use PART SELECT and the PART BUTTONS (R-7) to select a Part.
- 2) Press ON (in the arpeggiator section) so it is lit.
- 3) Hold down several keyboard pads and the sound will cycle between them.
- 4) Hold SHIFT and press keyboard pad #1.
- 5) Use the VALUE DIAL to select other arpeggio styles.
- 6) Press EXIT to return to the main screen.

• **Using MegaMix**

MegaMix allows you to select Parts from different Patterns and combine them in realtime. Use the following procedure:

- 1) Select Pattern "P:133 HipHop East 1" (as described previously) and press PLAY to begin playback.
- 2) Press MIXER SELECT (above MUTE CTRL) repeatedly until the MEGAMIX indicator is lit.
- 3) Press PART SELECT so it is lit.
- 4) Use the PART BUTTONS (R-7) to select a Part and the VALUE DIAL to select the desired Pattern. You can have up to 8 tracks playing musical information from different Patterns.

• **Using the D-Beam**

Use the following procedure to activate the D-Beam:

- 1) Select a Pattern and press PLAY to begin playback.
- 2) Press ON in the D-Beam section so it is lit.
- 3) Use the D-Beam select button to select "TURNTABLE."
- 4) With the Pattern running, slowly lower and raise your hand above the D-Beam lens.
- 5) Hold down the D-Beam select button and use the VALUE DIAL to select other options.
- 6) Press STOP when you are finished.

Note: Some DBeam settings will affect only the currently selected Part and some will affect the whole Pattern.

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