

BOSS RC-505MK2

Boss RC-505 Mk2 Loop Station Instruction Manual

Model: RC-505MK2 | Brand: BOSS

INTRODUCTION

The BOSS RC-505mkII is a tabletop loop station designed for on-the-spot music creation, offering advanced power and flexibility for beatboxers, vocalists, and multi-instrumentalists. It features five stereo tracks, four simultaneous Input FX and Track FX, customizable controls, expanded I/O, and enhanced mixing capabilities. This manual provides essential information for setting up, operating, and maintaining your RC-505mkII.

1. SETUP

1.1. Unboxing and Initial Inspection

Upon unboxing your RC-505mkII, ensure all components are present: the RC-505mkII unit, AC Adaptor, and Owner's Manual. Inspect the unit for any signs of damage.



Image Description: This image displays the contents typically found within the Boss RC-505mkII product box, including the main loop station unit, its dedicated AC power adapter, and the printed owner's manual.

1.2. Connecting Power

Connect the supplied AC adaptor to the DC IN jack on the rear panel of the RC-505mkII and then to a standard AC outlet.

1.3. Connecting Audio Inputs

The RC-505mkII offers versatile input options for various instruments and microphones.

- **Microphone Inputs:** Connect dynamic or condenser microphones to the MIC 1 and MIC 2 XLR inputs. Phantom power is available for condenser microphones.
- **Instrument Inputs:** Connect instruments such as guitars, keyboards, or other line-level devices to the INST 1 L/MONO, R and INST 2 L/MONO, R inputs using 1/4-inch TS cables.
- **Auxiliary Input:** Use the AUX IN jack for connecting external audio players or other stereo sources.

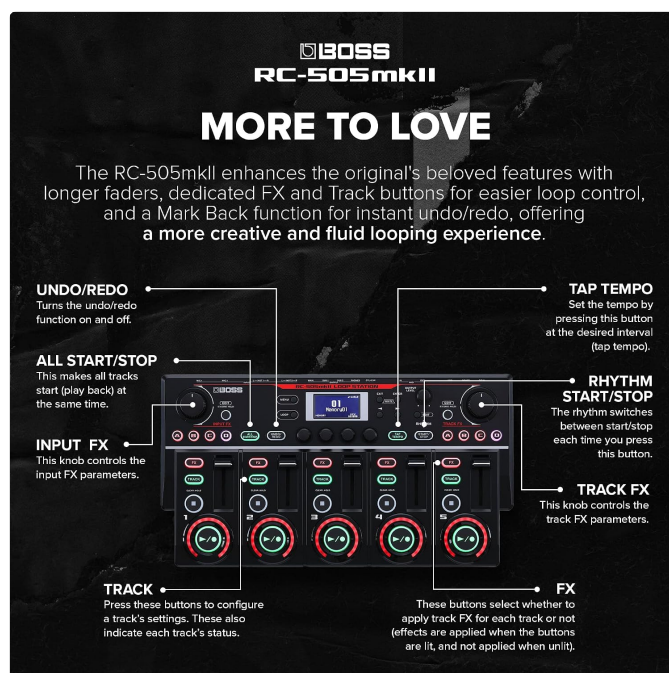


Image Description: The rear panel of the Boss RC-505mkII Loop Station is shown, highlighting its comprehensive input/output

options. These include XLR microphone inputs (MIC 1, MIC 2), 1/4-inch instrument inputs (INST 1 L/MONO, R and INST 2 L/MONO, R), an AUX IN jack, MIDI IN/OUT, USB port, and DC IN for power.

1.4. Connecting Audio Outputs

Connect the MAIN OUT L/MONO, R jacks to your mixer, amplifier, or audio interface. Additional SUB 1 and SUB 2 outputs are available for flexible routing.

- **Headphones:** Connect headphones to the PHONES jack for monitoring your performance.



Image Description: A side profile view of the Boss RC-505mkII Loop Station, illustrating its compact tabletop design and the arrangement of its controls and faders.

1.5. Connecting USB and MIDI

The USB port allows connection to a computer for audio recording/playback and MIDI communication. MIDI IN/OUT ports enable synchronization with other MIDI devices.

2. OPERATING THE RC-505mkII

2.1. Basic Looping Functions

The RC-505mkII features five stereo phrase tracks, each with dedicated controls for intuitive looping.

- **Record/Play/Overdub:** Press the circular track buttons (1-5) to initiate recording, playback, or overdubbing on individual tracks. The LED ring around the button indicates the current state (red for record, green for play, orange for overdub).
- **Stop:** Press the square stop button below each track to stop playback for that specific track.
- **Undo/Redo:** The UNDO/REDO button allows you to reverse or reapply the last recording action.
- **All Start/Stop:** The ALL START/STOP button controls playback for all tracks simultaneously.



Image Description: A top-down view of the Boss RC-505mkII Loop Station, showcasing its five track faders, circular play/record buttons with illuminated rings, FX buttons, and central display screen. The layout is designed for intuitive tabletop operation.

2.2. Track Controls and Faders

Each of the five tracks has a dedicated fader to adjust its volume level independently, providing precise mixing control during performance.

- **FX Buttons:** Each track also has an FX button to apply track-specific effects.
- **Clear/Hold:** Use the CLEAR/HOLD button to clear a track's content or hold it for specific functions.

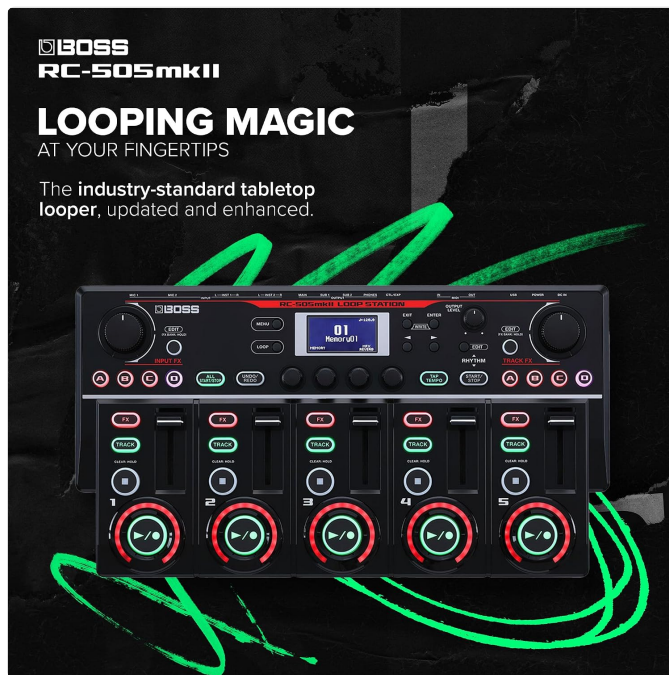


Image Description: This image highlights the core functionality of the Boss RC-505mkII, emphasizing its "Looping Magic" capabilities. It visually points out the five simultaneous stereo phrase tracks, massive onboard effects selection, and ultra-durable faders, illustrating how these features contribute to creative freedom for various musicians.

2.3. Input FX and Track FX

The RC-505mkII offers extensive effects processing.

- **Input FX:** Apply effects to your incoming audio signals (microphones, instruments) before they are recorded to tracks. Use the INPUT FX knobs and buttons (A, B, C, D) to select and control these effects.
- **Track FX:** Apply effects to the playback of your recorded loops. Use the TRACK FX knobs and buttons (A, B, C, D) to select and control these effects.
- **Effect Editing:** Press the EDIT button next to INPUT FX or TRACK FX to access detailed parameters for each effect.

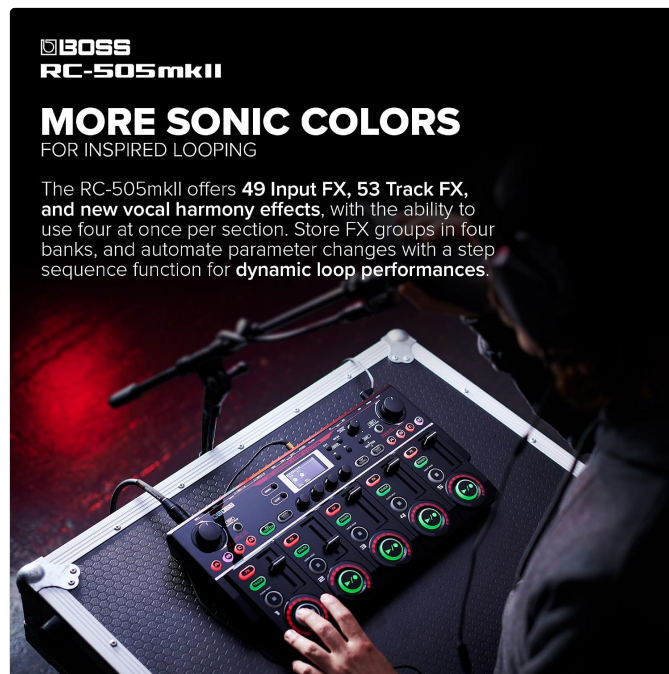


Image Description: A user's hands are shown actively engaging with the Boss RC-505mkII, specifically manipulating the effect controls and track faders. This illustrates the tactile and interactive nature of the device for real-time sound manipulation and dynamic loop performances.

2.4. Rhythm and Tempo

The built-in rhythm generator provides various patterns to aid in timing and creative exploration.

- **Start/Stop:** Use the START/STOP button in the RHYTHM section to toggle the metronome or rhythm pattern.
- **Tap Tempo:** Tap the TAP TEMPO button to set the desired tempo for your loops and rhythm.
- **Rhythm Pattern Selection:** Use the RHYTHM knob to browse and select from various rhythm patterns.



Image Description: A top-down view of the Boss RC-505mkII Loop Station, showcasing its five track faders, circular play/record buttons with illuminated rings, FX buttons, and central display screen. The layout is designed for intuitive tabletop operation.

2.5. Memory and Saving Loops

The RC-505mkII allows you to save your created loops and settings as "Memories."

- **Memory Selection:** Use the MEMORY knob to navigate through up to 99 user memories.
- **Write:** Press the WRITE button to save your current loop and settings to a selected memory location.

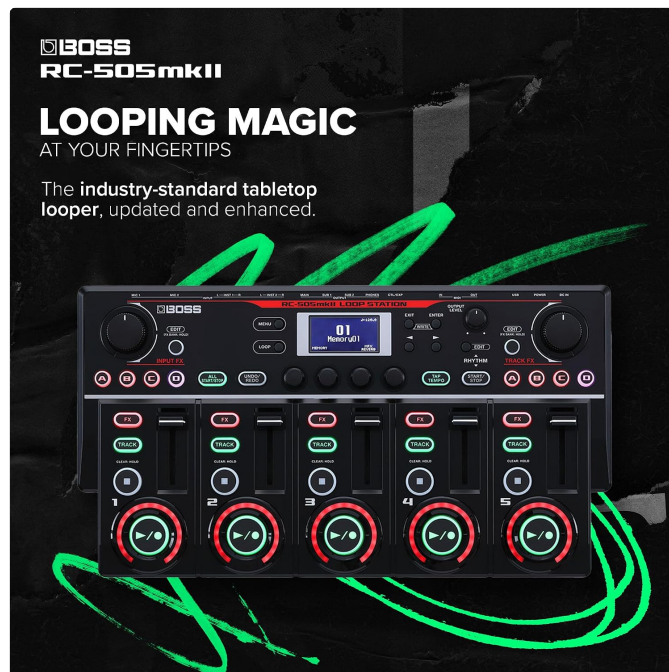


Image Description: This image highlights the core functionality of the Boss RC-505mkII, emphasizing its "Looping Magic" capabilities. It visually points out the five simultaneous stereo phrase tracks, massive onboard effects selection, and ultra-durable faders, illustrating how these features contribute to creative freedom for various musicians.

3. MAINTENANCE

To ensure the longevity and optimal performance of your Boss RC-505mkII, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. Avoid abrasive cleaners, waxes, or solvents.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight, extreme temperatures, and high humidity.
- **Power Off:** Always power off the unit and disconnect the AC adaptor when not in use for extended periods.
- **Firmware Updates:** Periodically check the official BOSS website for firmware updates to ensure your unit has the latest features and bug fixes.

4. TROUBLESHOOTING

If you encounter issues with your RC-505mkII, refer to the following common troubleshooting tips:

- **No Power:** Ensure the AC adaptor is securely connected to both the unit and a working power outlet. Verify the outlet is supplying power.
- **No Sound:** Check all audio cable connections (inputs and outputs). Verify volume levels on the RC-505mkII (Output Level, Track Faders) and connected devices. Ensure no effects are muting the sound.
- **Recording Issues:** Check input levels to prevent clipping or weak signals. Ensure the correct input source is selected. Verify that tracks are not already full or in an incorrect state.
- **Synchronization Problems:** If using MIDI, ensure MIDI clock settings are correctly configured on both the RC-505mkII and external devices.
- **Unresponsive Controls:** Try restarting the unit. If issues persist, a factory reset might be necessary (refer to the full owner's manual for instructions on performing a factory reset, as this will erase all user data).

5. SPECIFICATIONS

Feature	Specification
Model Number	RC-505MK2
Brand	BOSS
Item Weight	3.96 pounds (1.8 Kilograms)
Product Dimensions	165.35"L x 92.13"W x 26.38"H
Color	Black
Material Type	Plastic, Metal
Hardware Interface	USB
Power Source	Electric (9 Volts)
Date First Available	September 2, 2021

6. WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official BOSS website or the full owner's manual included with your product. Keep your proof of purchase for warranty claims. Online resources and additional support can often be found on the [BOSS Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

