Roland R-05

Roland R-05 Studio WAV/MP3 Recorder Instruction Manual
Model: R-05

Overview	Setup	Operating	Maintenance	Troubleshooting	Specifications	Support

1. PRODUCT OVERVIEW

The Roland R-05 is a compact and user-friendly WAV/MP3 recorder designed for high-quality audio capture. It offers crystal-clear 24-bit/96kHz recording, advanced editing features, and extended battery life, making it suitable for various recording environments.

Figure 1.1: Roland R-05 Studio WAV/MP3 Recorder device.

Key Features:

- High-quality stereo recording (24-bit / 96kHz) with built-in stereo microphone or external input.
- Durable metallic exterior construction.
- Music-practice features including tempo change without pitch alteration and loop playback.
- Onboard editing functions and built-in reverb.
- Automatic recording features: auto record start, auto song split, auto level adjust.

- Pre-Record function captures audio 2 seconds before pressing the record button.
- Functions as a high-quality portable audio player for WAV and MP3 files.
- Includes a windscreen and a built-in tripod mounting socket.
- Extended battery life of over 16 hours per charge.

2. INITIAL SETUP

2.1. Battery Installation

The Roland R-05 requires two AA batteries for operation. Ensure the batteries are inserted with the correct polarity as indicated inside the battery compartment. For optimal performance and extended use, NiMH rechargeable batteries are recommended, especially with firmware version 1.03 or later.

2.2. SD Card Insertion

The device uses an SD card for storage. Locate the SD card slot, typically on the side or bottom of the unit. Carefully insert the SD card until it clicks into place. To remove, gently press the card to release it. Note that the SD card flap may be snug; use a fingernail to open it carefully.

Figure 2.1: Example of an SD card and USB cable for data transfer.

For faster data transfer to a computer, it is often more efficient to remove the SD card and use a USB adapter rather than connecting the recorder directly via USB.

2.3. Powering On/Off

Press and hold the power button to turn the device on or off. Upon first power-on, you may be prompted to set the date, time, and language. Follow the on-screen instructions.

3. OPERATING INSTRUCTIONS

3.1. Recording Audio

1. **Select Input Source:** Choose between the built-in stereo microphone or an external input source (e.g., line-in).
2. **Adjust Input Level:** Use the input level controls to set an appropriate recording level. The R-05 features an auto level adjust function for convenience.
3. **Start Recording:** Press the **REC** button. The device will typically pause for level adjustments before actual recording begins. The Pre-Record function captures audio approximately 2 seconds before the REC button is fully engaged.
4. **Stop Recording:** Press the **STOP** button.

For recording at a distance, it is often beneficial to set the microphone sensitivity to "High" in the device settings.

3.2. Playback

Navigate through your recorded files using the directional controls. Press the **PLAY** button to start playback. Use the volume controls to adjust the output level.

3.3. Editing and Practice Features

- **Tempo Change:** Adjust the playback tempo without altering the pitch, useful for music practice.
- **Loop Playback:** Define a section of audio to play repeatedly.
- **Onboard Editing:** Basic editing functions are available directly on the device.
- **Reverb:** Apply built-in reverb effects to your recordings.

3.4. File Management

The R-05 supports automatic song splitting and allows for file renaming. Files are typically saved with an automatic name, which can be changed later using the device's interface. The device allows for hierarchical folder structures for organized file storage.

4. MAINTENANCE

4.1. Cleaning

Wipe the exterior of the unit with a soft, dry cloth. Avoid using abrasive cleaners or solvents, which can damage the finish. Keep the microphone grilles free from dust and debris.

4.2. Battery Care

Remove batteries if the device will not be used for an extended period to prevent leakage. If using rechargeable NiMH batteries, ensure your device has firmware version 1.03 or higher for accurate battery level indication and optimal performance.

4.3. SD Card Management

Regularly back up your recordings to a computer. Periodically format the SD card using the device's menu to maintain optimal performance and prevent data corruption. Ensure the device is powered off before inserting or removing the SD card.

5. TROUBLESHOOTING

5.1. Device Not Powering On

- Check battery polarity.
- Replace with fresh batteries.
- Ensure the battery compartment is securely closed.

5.2. Poor Recording Quality

- Verify microphone sensitivity settings (e.g., set to "High" for distant sources).
- Adjust input levels to avoid clipping or overly low signals.
- Ensure the built-in microphones are not obstructed.
- Check external microphone connections if applicable.

5.3. USB Connection Issues

- Ensure the USB cable is securely connected to both the R-05 and the computer.
- Try a different USB port on your computer.
- Consider using an SD card reader for direct file transfer, as the device's USB transfer speed can be slow.
- Restart both the R-05 and your computer.

5.4. Rocker Switch Sensitivity

The directional rocker switch can be highly sensitive. Apply light pressure when navigating menus or fast-forwarding/rewinding to ensure proper response.

6. SPECIFICATIONS

Item Model Number	R-05
Item Weight	1.15 pounds (approx. 522 grams)
Product Dimensions	4.06 x 0.98 x 2.36 inches (approx. 10.3 x 2.5 x 6 cm)
Batteries	2 AA batteries required (included)
Battery Type	NiMH (recommended)
Battery Life	Up to 16 hours (recording)
Media Format	MP3 Audio, WAV
Memory Storage Capacity	Supports up to 32 GB SDHC cards
Digital Recording Time	Around 4 hours and 16 minutes (with 32GB card, specific settings may vary)
Microphone Form Factor	Built-In Stereo

Headphones Jack	3.5 millimeters
Hardware Interface	USB 1.1, USB 2.0
Compatible Devices	MP3 Player functionality

7. WARRANTY AND SUPPORT

7.1. Product Warranty

For detailed information regarding the product warranty, please refer to the documentation included with your Roland R-05 or visit the official Roland website. Warranty terms and conditions may vary by region.

7.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please visit the official Roland Support Website. Contact methods and availability of support may vary depending on your geographical location. It is recommended to check the official website for the most current support information.