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ROLAND D-110

ROLAND D-110 Digital Sound Module Instruction Manual

Model: D-110

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1. INTRODUCTION

Thank you for purchasing the ROLAND D-110 Digital Sound Module. The D-110 is a versatile rack-mount digital sound module featuring ROLAND's acclaimed LA (Linear Arithmetic) synthesis technology. It offers 32 voices of polyphony and 8-part multi-timbral capabilities, making it an ideal addition to any MIDI-based music production setup. This unit is designed for direct power connection.

This manual provides essential information for the proper setup, operation, and maintenance of your D-110. Please read it thoroughly before using the unit to ensure optimal performance and longevity.



Figure 1: Front view of the ROLAND D-110 Digital Sound Module, showing controls and display.

2. SAFETY INFORMATION

To ensure safe operation and prevent damage, please observe the following precautions:

- **Power Supply:** Use only the specified power supply voltage. Ensure the power cable is securely connected and not damaged.
- **Location:** Place the unit on a stable, level surface. Avoid locations exposed to direct sunlight, extreme temperatures, high humidity, or excessive dust.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Foreign Objects:** Do not allow liquids or foreign objects to enter the unit. If this occurs, disconnect the power immediately and contact qualified service personnel.
- **Servicing:** Do not attempt to service the unit yourself. Refer all servicing to qualified ROLAND service personnel.

3. PACKAGE CONTENTS

Please check that all the following items are included in your package:

- ROLAND D-110 Digital Sound Module Unit
- AC Power Cable
- Owner's Manual (this document)

If any items are missing or damaged, please contact your dealer immediately.

4. SETUP

4.1 Connecting Power

1. Ensure the D-110's power switch is in the OFF position.
2. Connect the supplied AC power cable to the AC IN jack on the rear panel of the D-110.
3. Plug the other end of the power cable into a standard AC outlet.

4.2 Audio Connections

Connect the D-110's audio outputs to your mixer, amplifier, or audio interface using appropriate audio cables (not included).

- **Main Outputs (L/R):** For stereo output.
- **Individual Outputs:** The D-110 may feature individual outputs for routing specific parts to separate mixer channels. Refer to the rear panel for available jacks.

4.3 MIDI Connections

To control the D-110 from a MIDI keyboard, sequencer, or computer, connect MIDI cables (not included) as follows:

- Connect the MIDI OUT of your controller/sequencer to the MIDI IN of the D-110.
- If you wish to send MIDI data from the D-110 (e.g., system exclusive data), connect the MIDI OUT of the D-110 to the MIDI IN of your receiving device.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- **To Power On:** Ensure all connections are made, then press the POWER switch on the front panel. The display will illuminate.
- **To Power Off:** Press the POWER switch again.

5.2 Basic Sound Selection

The D-110 contains a variety of preset sounds (Tones). Use the front panel buttons and data entry controls to browse and select sounds.

1. Use the **BANK** buttons to select a sound bank (e.g., A, B, C, D).
2. Use the **NUMBER** buttons or the **VALUE** dial to select a specific Tone within the bank.
3. The display will show the name of the selected Tone.

5.3 Multi-Timbral Mode (Performance Mode)

The D-110 can play up to 8 different sounds simultaneously, each assigned to a separate MIDI channel. This is known as Performance Mode.

1. Press the **PERFORMANCE** button to enter Performance Mode.
2. Use the **PART** buttons to select the MIDI part you wish to edit.
3. Assign a Tone to each part and set its MIDI channel, volume, pan, and other parameters using the display and controls.
4. Save your custom performance settings to a user memory location.

5.4 Editing Tones and Performances

The D-110 offers extensive editing capabilities for Tones and Performances. Refer to the detailed sections in the full owner's manual for in-depth instructions on parameter editing, effects, and saving your custom sounds.

6. MAINTENANCE

6.1 Cleaning

- Wipe the exterior of the unit with a soft, dry cloth.
- For stubborn dirt, use a slightly damp cloth and then wipe dry.
- Do not use abrasive cleaners, waxes, or solvents, as these can damage the finish.

6.2 Storage

When storing the D-110 for extended periods, ensure it is powered off and disconnected from the AC outlet. Store it in a cool, dry place away from direct sunlight and extreme temperatures.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Power cable not connected; Power outlet faulty; Unit fuse blown.	Check power cable connection; Try a different outlet; Contact service for fuse replacement.
No sound output	Audio cables not connected; Volume too low; MIDI input not received; Incorrect MIDI channel.	Check audio cable connections; Increase D-110 and mixer/amp volume; Verify MIDI connections and channel settings.
MIDI not responding	MIDI cables incorrect; MIDI channel mismatch; MIDI settings on D-110 or controller incorrect.	Ensure MIDI OUT to MIDI IN connection; Check MIDI channels on both devices; Review MIDI settings in the D-110 manual.

If the problem persists after trying these solutions, please contact ROLAND customer support or a qualified service center.

8. SPECIFICATIONS

- **Model:** ROLAND D-110
- **Sound Generation:** LA (Linear Arithmetic) Synthesis
- **Polyphony:** 32 Voices
- **Multi-timbral Parts:** 8
- **Memory:** Internal Tones, Performances, and User Memory (expandable with memory card, e.g., KV-211 if included)
- **Connectors:** MIDI IN/OUT/THRU, Audio Outputs (L/R, possibly individual), AC IN
- **Power Supply:** Direct AC connection

- **Dimensions:** Standard 1U rack-mount size (specific dimensions may vary slightly)
- **Weight:** (Information not provided, refer to product packaging)

Specifications are subject to change without notice.

9. WARRANTY AND SUPPORT

ROLAND products are covered by a limited warranty. Please refer to the warranty card included with your product or visit the official ROLAND website for detailed warranty terms and conditions specific to your region.

For technical support, service, or inquiries, please contact your local ROLAND distributor or authorized service center. Contact information can typically be found on the ROLAND official website:

www.roland.com/global/support/