

BOSS DM-101

BOSS DM-101 Delay Machine Instruction Manual

Model: DM-101

INTRODUCTION

The BOSS DM-101 Delay Machine is an advanced analog delay pedal that combines classic bucket-brigade device (BBD) sound with modern control capabilities. It features eight BBDs under smart CPU control, offering 12 unique delay modes, stereo operation, and a wide range of tonal colors while maintaining a 100 percent analog signal path.

This manual provides essential information for setting up, operating, and maintaining your DM-101 Delay Machine to ensure optimal performance and longevity.



Image: Front view of the BOSS DM-101 Delay Machine, showcasing its control knobs and footswitches.

SETUP

Unpacking and Initial Inspection

Carefully remove the DM-101 from its packaging. Inspect the unit for any signs of damage that may have occurred during transit. Ensure all included accessories, such as the instrument cable, patch cable, and picks, are present.

Power Connection

1. Connect a compatible 9V DC power adapter (sold separately, BOSS PSA adaptor recommended) to the **DC IN** jack on the rear panel of the DM-101.
2. Plug the power adapter into an AC outlet.

Audio Connections

The DM-101 offers flexible input and output options:

- **INPUT Jack:** Connect your guitar or other instrument to this 1/4-inch phone type jack.

- **OUTPUT A/MONO Jack:** For mono output, connect this 1/4-inch phone type jack to your amplifier or next effect pedal.
- **OUTPUT B Jack:** For stereo output, connect this 1/4-inch phone type jack to a second amplifier or stereo input.

Control Connections

- **CTL 1, 2/EXP Jack:** This 1/4-inch TRS phone type jack allows connection of external footswitches (CTL 1, 2) or an expression pedal (EXP) for expanded control.
- **MIDI (IN, OUT) Jacks:** Stereo miniature phone type jacks for MIDI input and output, enabling external control and synchronization.
- **USB Port:** A USB micro B-type port is provided for program updates only.



Image: Rear panel of the BOSS DM-101, showing the INPUT, OUTPUT A/MONO, OUTPUT B, CTL 1, 2/EXP, MIDI IN/OUT, DC IN, and USB ports.

OPERATING THE DM-101

Basic Controls

The DM-101 features a range of knobs and footswitches for intuitive control over your delay effects:

- **MOD RATE:** Adjusts the speed of the modulation applied to the delay.
- **MOD DEPTH:** Controls the intensity of the modulation.
- **VARIATION:** This knob cycles through parameters unique to the selected delay mode, offering diverse sound shaping.
- **DELAY TIME:** Sets the duration of the delay repeats.
- **INTENSITY:** Controls the feedback of the delay, determining how many repeats occur.
- **DELAY VOLUME:** Adjusts the output level of the delay effect.

Footswitch Functions

- **ON/OFF:** Toggles the delay effect on or off.
- **MEMORY:** Cycles through user memories (presets). Hold to save current settings.
- **TAP:** Tap this footswitch multiple times to set the delay time manually (tap tempo).

Delay Modes

The DM-101 offers 12 distinct analog delay modes. Each mode utilizes different internal circuit elements, including the number of active BBDs, their connection order, low-pass filter settings, and clocking rates, to create unique sonic characteristics. Six of these modes support stereo operation.

Available modes include:

- Pattern
- Pan
- Dual Mod
- Wide
- Doubling+Delay
- Classic
- Vintage
- Modern
- Multi-Head
- Non-Linear
- Ambience
- Reflect

Experiment with the **VARIATION** knob within each mode to explore its full sonic potential, from gritty vintage echoes to modern analog tones with extended high-frequency clarity.



Image: Close-up view of the BOSS DM-101's control knobs, including MOD RATE, MOD DEPTH, and VARIATION, along with the mode selection area.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to wipe down the unit. Avoid abrasive cleaners, waxes, or solvents.
- **Storage:** When not in use for extended periods, disconnect the power adapter and store the unit in a dry, cool place away from direct sunlight and extreme temperatures.
- **Avoid Moisture:** Do not expose the unit to water or excessive humidity.
- **Handle with Care:** Avoid dropping or subjecting the unit to strong impacts.

TROUBLESHOOTING

If you encounter issues with your DM-101, refer to the following common troubleshooting steps:

- **No Power:**
 - Ensure the power adapter is securely connected to both the DM-101 and a working AC outlet.
 - Verify that you are using a compatible 9V DC power adapter.
- **No Sound:**
 - Check all audio cables (input and output) for secure connections.
 - Ensure the **DELAY VOLUME** knob is not set to minimum.
 - Verify that your instrument and amplifier are functioning correctly.
- **Effect Not Engaging:**
 - Press the **ON/OFF** footswitch to ensure the effect is active.
- **Unwanted Noise:**
 - Check for faulty cables or power supply issues.
 - Ensure proper grounding of all equipment.

If the problem persists, please contact BOSS customer support for further assistance.

SPECIFICATIONS

Parameter	Value
Model Number	BOS-DM-101
Product Dimensions	6 x 8 x 4 inches
Connector Types	INPUT jack, OUTPUT A/MONO jack, OUTPUT B jack (1/4-inch phone type); CTL 1, 2/EXP jack (1/4-inch TRS phone type); MIDI (IN, OUT) jacks (Stereo miniature phone type); DC IN jack; USB port (USB micro B-type)
Hardware Interface	USB
Signal Format	Analog
Material Type	Copper, Plastic
Power Source	Corded Electric (9V DC, BOSS PSA adaptor recommended)
Audio Output Effects	Delay, Reverb

Controls Type	Knob, Footswitch
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WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the warranty card included with your product or visit the official BOSS website. You can also contact BOSS customer service directly for technical assistance or service inquiries.

Official BOSS Website: <https://www.boss.info/global/>