

electro-harmonix

# DELUXE MEMORY MAN

## Nano Analog Delay with Modulation

Congratulations on your purchase of the **Nano Deluxe Memory Man**. Since its introduction in 1978, the Deluxe Memory Man has been used on countless recordings and has become the gold standard analog delay with its warm, pristine tone and reliable, musical performance. This nano version of the Deluxe Memory Man is a reissue of the original Deluxe Memory Man, with a few added features for modern players.

### Features Include:

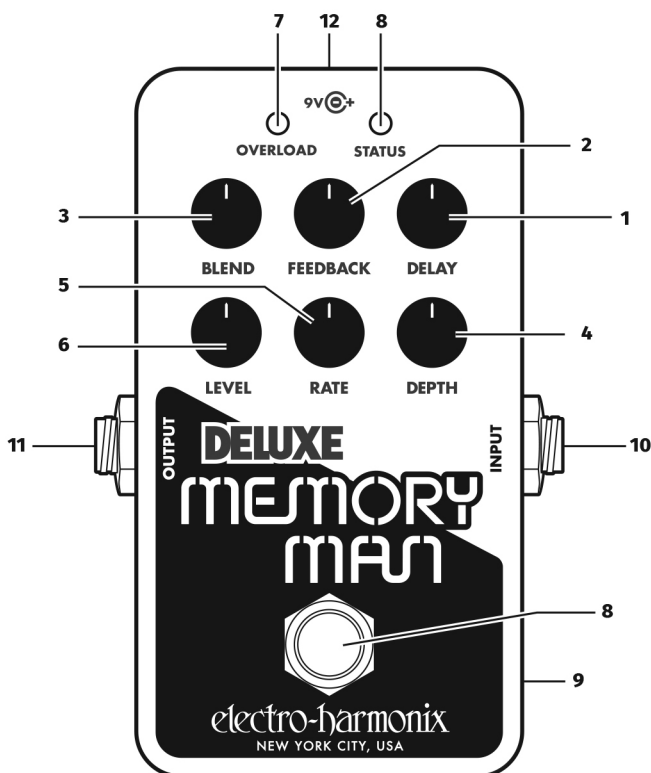
- ▶ Added control over modulation with the addition of a Rate knob
- ▶ Internal switch to enable tails or true bypass
- ▶ High input impedance to preserve your guitar's tone
- ▶ Powered from standard 9VDC, center-negative power supplies
- ▶ More compact, pedal-board friendly footprint

**WARNING:** This device comes equipped with an Electro-Harmonix 9.6DC-200 power supply. It requires 150mA at 9VDC with a center negative plug. Use of the wrong adapter or a plug with the wrong polarity may damage the device and void the warranty. Do not exceed 12VDC on the power plug. Power supplies rated for less than 150mA will cause the device to act unreliably.

# Operating Instructions

Connect your guitar to the INPUT jack on the Nano Deluxe Memory Man (Nano DMM) and the OUTPUT jack to your amp's input. Plug in the included power supply and insert its output plug into the power jack. Press the footswitch to ensure the STATUS LED is lit, now your Nano DMM is ready to go. Have fun experimenting with the Nano DMM and other effects pedals to develop your own unique sound.

## Controls and Connections



**1. DELAY Knob** Sets delay time from 30ms to 550ms. As DELAY is turned clockwise, the delay time increases. Turning the DELAY knob while playing can produce strange, eerie and unusual pitch-shift effects, especially with FEEDBACK set above noon. *Note: it is normal to hear ring modulation artifacts when DELAY is set above 3 o'clock.*

**2. FEEDBACK Knob** Controls the amount of signal that is circulated from the output of the delay block back to its input yielding delay repeats, or multiple echoes. If set very high, runaway oscillation will occur. Fairly high feedback with short delay settings produces a reverb effect.

**3. BLEND Knob** Varies the output mix between the dry and delayed signals. The BLEND knob ranges from 100% dry (CCW position) to 100% wet (CW position). Set BLEND to the center position for equal levels of both.

**4. DEPTH Knob** Sets the amount of modulation that is added to the effect. As DEPTH is turned clockwise, modulation width increases. Modulation is produced by sweeping the delay time with a repeating LFO. The Nano DMM's built-in modulation produces vibrato style effects when the BLEND knob is set to maximum or produces chorus type effects when BLEND is set to the middle. Turn DEPTH down to the full counter-clockwise position to disable modulation.

**5. RATE Knob** Adjusts the speed of modulation. As RATE is turned clockwise, the modulation speed increases. The original DMM has a rate switch labeled Chorus and Vibrato. To achieve the same Chorus and Vibrato settings on the Nano DMM: set RATE to 9 o'clock for the Chorus setting; set RATE to 2 o'clock for the Vibrato setting. The DEPTH knob must be set above the full CCW position to hear the RATE knob change the modulation speed.

**6. LEVEL Knob** Sets the input gain for the Nano DMM. Both the wet and dry signals mixed by the BLEND knob go through the gain block. We recommend starting with LEVEL turned to 12 o'clock, setting the BLEND knob for the proper mix between wet and dry signals, then adjust the LEVEL knob for an ideal volume balance between effect and bypass modes.

**7. OVERLOAD LED** The OVERLOAD LED lights when the delayed signal starts to smoothly clip.

**8. FOOTSWITCH and STATUS LED** The footswitch engages or bypasses the effect. The STATUS LED lights when the effect is engaged. In bypass mode, the STATUS LED is off.

**9. TAILS Switch** The internal TAILS switch can be accessed by removing the bottom cover of the Nano DMM. The switch is located on the small board that holds the footswitch. When set to TAILS (downward position), any delay echoes that are present upon entering bypass continue to ring out but no new audio enters the delay block. When this switch is set to the upward position, the effect instantly mutes upon entering bypass.

When TAILS is off, the Nano DMM features true bypass; with TAILS enabled, buffered bypass is employed. By default from the factory, the TAILS switch is set to the off position.

**10. INPUT Jack** Audio input to the Nano DMM.

**11. OUTPUT Jack** Audio output from the Nano DMM.

**12. 9V Power Jack** Attach the output plug from the included power supply to the 9V power jack. The Nano DMM draws 150mA at 9VDC on a center-negative plug. Do not exceed 12VDC on the power jack.

## Notes and Specifications

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- ▶ Audio input impedance at INPUT jack: 1M $\Omega$
- ▶ Audio output impedance at OUTPUT jack: 300 $\Omega$
- ▶ Current draw: 150mA at 9.0VDC
- ▶ Maximum input signal level, BLEND = 100% wet: +7.6dBu
- ▶ Maximum input signal level, BLEND = 100% dry: +13.0dBu

## WARRANTY INFORMATION

Please register online at [www.ehx.com/product-registration](http://www.ehx.com/product-registration) or complete and return the enclosed warranty card within 10 days of purchase. Electro-Harmonix will repair or replace, at its discretion, a product that fails to operate due to defects in materials or workmanship for a period of one year from date of purchase. This applies only to original purchasers who have bought their product from an authorized Electro-Harmonix retailer. Repaired or replaced units will then be warranted for the unexpired portion of the original warranty term.

If you should need to return your unit for service within the warranty period, please contact the appropriate office listed below. Customers outside the regions listed below, please contact EHX Customer Service for information on warranty repairs at [info@ehx.com](mailto:info@ehx.com) or +1-718-937-8300. USA and Canadian customers: please obtain a **Return Authorization Number (RA#)** from EHX Customer Service before returning your product. With your returned unit, include a written description of the problem as well as your name, address, telephone number, e-mail address, RA# and a copy of your receipt clearly showing the purchase date.

### United States & Canada

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This warranty gives a purchaser specific legal rights. A purchaser may have even greater rights depending upon the laws of the jurisdiction within which the product was purchased.

## COMPLIANCE

*Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:*

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

*Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.*



The CE logo indicates that this product has been tested and shown to conform with all applicable European Conformity directives.



The WEEE or "trashcan" logo indicates that this product is made up of electronic components that should not be trashed alongside household waste but instead should be recycled by a proper electrical waste facility.



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