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MORLEY MTMV2

MORLEY 20/20 Volume Plus Guitar Effect Pedal Instruction Manual

Model: MTMV2

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1. INTRODUCTION

The MORLEY 20/20 Volume Plus is a compact, optical volume pedal designed for guitarists. It provides precise control over your instrument's volume, enabling effects such as violin-like swells and dynamic shifts between rhythm and lead tones. Its optical circuitry ensures long-term durability and consistent performance, avoiding the wear commonly associated with traditional potentiometer-based pedals. The pedal also features a glow-in-the-dark treadle for enhanced visibility in low-light environments.



Image 1.1: Top-down view of the MORLEY 20/20 Volume Plus pedal, showcasing its compact design and the 'MORLEY' logo on the treadle.

2. SAFETY INFORMATION

Please read and understand the following safety precautions before operating the MORLEY 20/20 Volume Plus pedal. Retain this manual for future reference.

- **Power Supply:** Use only the specified 9V DC power adapter (center negative) for this unit. Using an incorrect power supply can cause damage or malfunction.
- **Environment:** Avoid exposing the pedal to extreme temperatures, high humidity, direct sunlight, or strong vibrations.
- **Handling:** Do not drop the unit or subject it to excessive force. Do not insert foreign objects into the pedal.
- **Cleaning:** Clean the unit with a soft, dry cloth. Do not use abrasive cleaners, waxes, or solvents.
- **Modifications:** Do not attempt to modify or disassemble the pedal. Unauthorized modifications can lead to malfunction and void the warranty.
- **Volume Levels:** Avoid operating the pedal at excessively high volume levels for prolonged periods, as this may cause hearing damage.

Image 2.1: Original safety information provided with the product, detailing general precautions for electronic devices.

3. SETUP

Follow these steps to connect your MORLEY 20/20 Volume Plus pedal to your audio system.

1. **Power Connection:** Connect a 9V DC (center negative) power adapter to the 9V input jack on the side of the pedal. The pedal does not use batteries.
2. **Instrument Input:** Connect your guitar or other instrument to the 'IN' jack on the right side of the pedal using a standard 1/4-inch instrument cable.
3. **Output to Amplifier/Other Pedals:** Connect the 'OUT' jack on the left side of the pedal to your amplifier's input or to the input of the next pedal in your signal chain using a standard 1/4-inch instrument cable.



Image 3.1: Angled view of the pedal, illustrating the 'IN' and 'OUT' jacks for signal connection.



Image 3.2: Right side view of the pedal, highlighting the 9V DC power input jack.

4. OPERATION

The MORLEY 20/20 Volume Plus offers intuitive control over your instrument's volume.

4.1. Basic Volume Control

The main treadle controls the volume. Pressing the treadle forward (toe-down) increases the volume to maximum, while pulling it back (heel-down) decreases the volume. The optical circuitry ensures a smooth audio taper for natural-sounding volume swells.

4.2. Minimum Volume Control

The 20/20 Volume Plus features a Minimum Volume Control knob and an ON/OFF switch. This allows you to set a lower volume threshold when the pedal is in the heel-down position.

- **Minimum Volume Knob:** Rotate this knob to adjust the minimum volume level when the pedal is in the heel-down position and the Minimum Volume feature is active.
- **MIN VOL ON/OFF Switch:** Use this switch to engage or disengage the Minimum Volume Control. When OFF, the pedal operates as a standard volume pedal, reducing volume to silence at heel-down. When ON, the volume will only decrease to the level set by the Minimum Volume knob.

This feature is useful for setting distinct rhythm and lead volume levels, or for creating dynamic variations without completely cutting the sound.



Image 4.1: Angled view of the pedal, highlighting the Minimum Volume knob and the MIN VOL ON/OFF switch.



Image 4.2: Close-up view of the Minimum Volume control section, showing the knob and switch for precise volume threshold adjustment.

4.3. Optical Circuitry

The 20/20 Volume Plus utilizes optical circuitry instead of a traditional potentiometer. This design eliminates mechanical wear and tear, ensuring consistent performance and a longer lifespan for the pedal. It also contributes to the smooth and reliable audio taper.

4.4. Glow-in-the-Dark Treadle

The pedal's treadle features glow-in-the-dark rubber, providing visibility on dimly lit stages. This

allows for easy location and operation of the pedal during performances.



Image 4.3: The pedal's treadle illuminated by its glow-in-the-dark feature, enhancing visibility in dark environments.

5. MAINTENANCE

The MORLEY 20/20 Volume Plus is designed for durability and requires minimal maintenance.

- **Cleaning:** Periodically wipe the pedal with a soft, dry cloth to remove dust and grime. Do not use liquid cleaners or solvents.
- **Storage:** When not in use for extended periods, store the pedal in a dry, temperate environment.
- **Inspection:** Regularly check all cable connections for wear or damage.

6. TROUBLESHOOTING

If you encounter issues with your MORLEY 20/20 Volume Plus, refer to the following common solutions:

Problem	Possible Cause	Solution
No sound or intermittent sound	Incorrect power supply; loose cable connections; faulty cables.	Ensure a 9V DC (center negative) power supply is used. Check all 1/4-inch cables for secure connections and test with known working cables.
Volume sweep is not smooth or linear	This pedal features an audio taper, which is designed to be non-linear to match human hearing perception.	The audio taper is an intentional design feature. Familiarize yourself with the pedal's response. If the issue is extreme, ensure no other pedals in the chain are affecting the signal.
Minimum Volume Control not working	MIN VOL ON/OFF switch is disengaged.	Ensure the MIN VOL ON/OFF switch is in the 'ON' position. Adjust the Minimum Volume knob to the desired level.
Loss of high frequencies when volume is rolled back	Lack of a buffer in the signal chain before the amplifier.	Consider placing a buffered pedal (e.g., a tuner, certain overdrive pedals) before the Volume Plus pedal in your signal chain to maintain signal integrity.

If the problem persists after attempting these solutions, please contact MORLEY customer support.

7. SPECIFICATIONS

- **Model:** MTMV2
- **Dimensions (L x W x H):** 6.85" x 4.5" x 2.5" (17.4 cm x 11.4 cm x 6.35 cm)
- **Weight:** 2.07 pounds (0.94 kg)
- **Power:** 9V DC, center negative (power adapter not included)
- **Circuitry:** Optical
- **Input/Output:** 1/4-inch (6.35mm) audio jacks
- **Body Material:** Rubber, Plastic, Metal, Electronic Components
- **Color:** Green
- **Features:** Minimum Volume Control, Smooth Audio Taper, Glow-in-the-Dark Treadle Rubber
- **Origin:** Made in the USA

8. WARRANTY AND SUPPORT

MORLEY products are built to high standards. For information regarding warranty coverage, terms, and conditions, please refer to the warranty card included with your product or visit the official MORLEY website. For technical support or service inquiries, please contact MORLEY customer service directly.

Contact Information: Please refer to the official MORLEY website or product packaging for the most current contact details.

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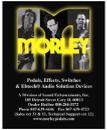
Related Documents - MTMV2

	<p>Morley M2 Wah Volume (M2WV) User Guide and Specifications</p> <p>User guide and specifications for the Morley M2 Wah Volume (M2WV) guitar effects pedal, detailing its features, connections, power options, and warranty information.</p>
	<p>Morley Pedals User Manual: Power Wah, Wah Volume, and Distortion Wah Features and Specifications</p> <p>User guide for Morley Power Wah (PWO), Power Wah Volume (PWOV), and Pro Series II Distortion Wah Volume (PDW-II) guitar effects pedals. Details features, connections, power, battery, and technical specifications.</p>



[Morley AFX-1 Analog Multi-FX Owners Manual](#)

Comprehensive owners manual for the Morley AFX-1 Analog Multi-FX pedal, detailing features, controls, and warranty information. Features include switchless wah, dual distortion, chorus, and echo effects.



[Morley & Ebtech Audio Pedals, Effects, and Solutions Catalog](#)

Explore the comprehensive range of Morley and Ebtech audio effects pedals, switches, signal processors, and cable testers, featuring detailed product information, specifications, and applications from Sound Enhancements, Inc.



[Morley M2 PFW Cliff Burton Power Fuzz Wah User Guide and Specifications](#)

Detailed information on the Morley M2 PFW Cliff Burton Power Fuzz Wah guitar effects pedal, including features, specifications, connections, and usage instructions.



[Morley Line Level Shifter MLLS User Instructions and Applications](#)

User instructions and common applications for the Morley Line Level Shifter (MLLS), a passive audio device that converts signal levels between -10dBV and +4dBu, handles balanced and unbalanced lines, and includes Hum Eliminator™ technology.