

## microSHIFT BS-SR-M12-R

# Microshift BS-SR-M12-R 12-Speed Handlebar End Shift Lever Instruction Manual

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Microshift BS-SR-M12-R 12-Speed Handlebar End Shift Lever. Designed for compatibility with SRAM MTB 1x12-speed systems, this aluminum shift lever offers precise gear changes for an optimized cycling experience. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INFORMATION

Always wear appropriate safety gear when working on bicycles. Ensure all components are installed correctly and securely tightened to prevent accidents. Incorrect installation or adjustment can lead to loss of control and serious injury. If you are unsure about any part of the installation or adjustment process, consult a professional bicycle mechanic.

- Ensure the handlebar end is clean and free of debris before installation.
- Do not overtighten fasteners, as this can damage components.
- Regularly inspect the shift lever and cable for wear or damage.
- Keep hands and clothing clear of moving parts during operation.

## PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 1 x Microshift BS-SR-M12-R Handlebar End Gear Lever

## SETUP AND INSTALLATION

The Microshift BS-SR-M12-R shift lever is designed for installation into the end of a bicycle handlebar. Follow these steps for proper installation:

1. **Prepare the Handlebar:** Ensure the inside of your handlebar end is clean and clear of any obstructions. The shift lever's expansion plug requires a clear internal diameter for secure fitting.
2. **Insert the Lever:** Gently insert the expansion plug end of the shift lever into the handlebar end.
3. **Secure the Lever:** Use an appropriate hex key to tighten the bolt located at the end of the expansion plug. Tighten gradually until the lever is firmly secured in the handlebar and does not rotate or move. Do not overtighten.
4. **Install Shift Cable:** Route the shift cable through the designated port on the lever body and connect it to your derailleur according to your derailleur's instructions.
5. **Initial Adjustment:** Perform an initial adjustment of the derailleur and cable tension to ensure smooth shifting across all 12 gears.



This image displays the Microshift BS-SR-M12-R 12-Speed Handlebar End Shift Lever. The main body is black, with a silver expansion plug visible on the left for securing it into the handlebar. The top of the lever features a circular adjustment dial with 'microSHIFT' branding and '+' and '-' indicators for fine-tuning. The shift lever extends downwards from the main body.

## OPERATING INSTRUCTIONS

The Microshift BS-SR-M12-R is a 12-speed handlebar end shift lever designed for intuitive gear changes.

- **Shifting Gears:** To shift to a higher gear (smaller cog), push the lever forward. To shift to a lower gear (larger cog), pull the lever backward. The lever provides tactile feedback for each gear change.
- **Micro-Adjustment:** The shift lever features an adjustment dial on its body. If shifting becomes imprecise, you can fine-tune the cable tension using this dial. Turning the dial towards '+' increases cable tension, while turning it towards '-' decreases cable tension. Make small adjustments and test shifting after each change.
- **Index/Microindex Switchable:** This lever offers both indexed and micro-indexed shifting modes. Refer to the markings on the lever body for switching between these modes, if applicable, to suit your preference or specific drivetrain requirements.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your shift lever.

- **Cleaning:** Keep the shift lever and surrounding handlebar area clean. Use a damp cloth to wipe away dirt and grime. Avoid using harsh chemicals that could damage the finish or internal components.
- **Lubrication:** Periodically apply a small amount of bicycle-specific lubricant to the pivot points of the lever and ensure the shift cable runs smoothly through its housing.
- **Inspection:** Regularly check the shift lever for any signs of wear, damage, or loose components. Ensure the mounting bolt remains tight and the shift cable is not frayed. Replace worn or damaged parts immediately.

## TROUBLESHOOTING

If you encounter issues with your shift lever, consider the following common solutions:

- **Difficulty Shifting:** Check cable tension. Use the micro-adjustment dial to increase or decrease tension. Ensure the shift cable is not frayed or stuck in the housing.
- **Loose Lever:** If the lever rotates in the handlebar, re-tighten the expansion plug bolt. Do not overtighten.
- **No Shifting Response:** Verify that the shift cable is properly connected to both the lever and the derailleur. Check for a broken cable.
- **Grinding Noises:** This often indicates incorrect derailleur adjustment. Re-adjust the derailleur limits and cable tension.

If problems persist after attempting these solutions, consult a professional bicycle mechanic.

## SPECIFICATIONS

Model Number	MSH-BS-SR-M12-R
Brand	microSHIFT
Material	Aluminum
Color	Black
Compatibility	SRAM MTB 1x12-speed

<b>Mounting Type</b>	Bar End
<b>Features</b>	Index/Microindex Switchable, Portable
<b>Included Components</b>	1 x handlebar end gear lever
<b>Item Weight</b>	0.14 Kilograms (approx. 4.8 ounces)
<b>Product Dimensions</b>	4.91 x 5.15 x 3.23 inches

## WARRANTY INFORMATION

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This Microshift product is covered by a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation provided with your purchase or contact Microshift customer support. The warranty typically covers defects in materials and workmanship under normal use.

## SUPPORT

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For further assistance, technical support, or inquiries regarding your Microshift BS-SR-M12-R 12-Speed Handlebar End Shift Lever, please visit the official Microshift website or contact their customer service department. Keep your purchase receipt and model number handy when seeking support.