

## microSHIFT SB-R483

# Microshift R8 3x8 Road Dual Control Levers User Manual

Model: SB-R483

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Microshift R8 3x8 Road Dual Control Levers. These levers are designed for road cycling applications, offering precise 8-speed shifting and reliable braking performance. They are compatible with Shimano 8-speed road systems.



**Figure 1:** Front view of the Microshift R8 3x8 Road Dual Control Levers. This image shows both the left and right levers, highlighting their ergonomic shape and the primary brake/shift levers.

## SETUP AND INSTALLATION

Proper installation is crucial for optimal performance and safety. It is recommended that installation be performed by a qualified bicycle mechanic if you are unfamiliar with bicycle component installation.

### Tools Required:

- Hex key set (typically 4mm, 5mm)
- Cable cutters
- Cable crimps
- Grease (for bolts)
- Brake and shift cables (included with levers)
- Brake and shift housing (included with levers)

## Installation Steps:

### 1. Mounting the Levers:

Slide the levers onto the handlebars. Position them ergonomically for comfortable reach to both brake and shift levers. Secure the levers using the appropriate hex key, ensuring they are tight enough to prevent rotation but not overtightened (refer to torque specifications if available, typically 6-8 Nm).

### 2. Brake Cable Installation:

Insert the brake cable into the lever body. Route the cable through the external routing channels. Connect the cable to your bicycle's brake calipers, ensuring proper tension and alignment. Trim excess cable and install a cable crimp.

### 3. Shift Cable Installation:

Insert the shift cable into the lever body. The external shift cable routing facilitates low friction and easy replacement. Route the cable and housing to the front and rear derailleurs. Connect the cables to the derailleurs, ensuring proper tension for smooth shifting. Trim excess cable and install cable crimps.

### 4. Hood Cover Adjustment:

Ensure the hood covers are properly seated over the lever bodies. These are replaceable for future maintenance.

### 5. Initial Adjustment:

Test both braking and shifting functions. Make fine adjustments to cable tension at the derailleurs and brakes to achieve optimal performance. Ensure all gears can be accessed smoothly and brakes engage firmly.

## OPERATING INSTRUCTIONS

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The Microshift R8 Dual Control Levers are designed for intuitive operation, combining braking and shifting functions into a single unit.

## Shifting Gears:

### • Upshift (to a larger cog/chainring):

The upshift is performed by pushing the smaller, inner lever towards the handlebar. This action will move the chain to a larger cog on the rear cassette or a larger chainring on the front crankset, making pedaling easier.

### • Downshift (to a smaller cog/chainring):

The downshift is performed by pushing the main brake lever inwards, away from the handlebar. This action will move the chain to a smaller cog on the rear cassette or a smaller chainring on the front crankset, making pedaling harder but allowing for higher speeds.

### • Front Derailleur (Triple System):

For the 3x8 triple system, the left lever controls the front derailleur. Use the same upshift/downshift actions to move between the three chainrings. Ensure proper trim adjustment to prevent chain rub.

## Braking:

To engage the brakes, pull the main lever (the larger lever) towards the handlebar. Apply even pressure for controlled stopping. Avoid sudden, hard braking, especially with the front brake, to prevent loss of control.

## MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Microshift R8 levers.

- **Cleaning:**

Periodically clean the levers and hood covers with a damp cloth. Avoid using harsh chemicals that could damage the plastic or rubber components. Keep the pivot points free of dirt and debris.

- **Cable Inspection and Replacement:**

Inspect brake and shift cables regularly for fraying, corrosion, or kinks. Replace cables and housing as needed, especially if shifting or braking performance degrades. The external cable routing makes this process straightforward.

- **Hood Cover Replacement:**

The hood covers are replaceable. If they become worn, torn, or sticky, new covers can be installed to restore comfort and grip.

- **Lever Pivot Lubrication:**

Apply a small amount of light lubricant to the pivot points of the brake and shift levers to ensure smooth operation. Wipe off any excess lubricant.

## TROUBLESHOOTING

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This section addresses common issues you might encounter with your Microshift R8 levers.

Problem	Possible Cause	Solution
Difficulty shifting (slow or imprecise)	<ul style="list-style-type: none"><li>• Incorrect cable tension</li><li>• Frayed or sticky cables/housing</li><li>• Dirty or worn derailleur</li></ul>	<ul style="list-style-type: none"><li>• Adjust cable tension using barrel adjusters on the derailleur or inline adjusters.</li><li>• Replace shift cables and housing.</li><li>• Clean and lubricate the derailleur; inspect for damage.</li></ul>
Brakes feel spongy or weak	<ul style="list-style-type: none"><li>• Loose brake cable</li><li>• Worn brake pads</li><li>• Contaminated brake pads/rims</li></ul>	<ul style="list-style-type: none"><li>• Tighten brake cable at the caliper.</li><li>• Replace brake pads.</li><li>• Clean brake pads and rim braking surfaces.</li></ul>
Cannot shift to largest/smallest cog/chainring	<ul style="list-style-type: none"><li>• Derailleur limit screws incorrectly set</li><li>• Insufficient cable pull/release</li></ul>	<ul style="list-style-type: none"><li>• Adjust the high (H) and low (L) limit screws on the derailleur.</li><li>• Check cable tension and ensure smooth cable movement within housing.</li></ul>

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

## SPECIFICATIONS

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Feature	Detail
Brand	microSHIFT
Model Number	SB-R483

Feature	Detail
Drivetrain Speeds	8-speed
Front Derailleur Compatibility	Shimano Road (Triple)
Rear Derailleur Compatibility	Shimano Road
Brake Lever Actuation	Short Pull
Material	Aluminum
Color	Black
Weight	430g (approx. 0.95 lbs)
Included Components	Levers, Cables, Housing

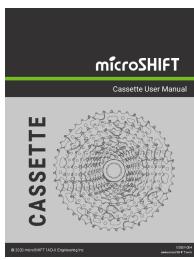
## WARRANTY AND SUPPORT

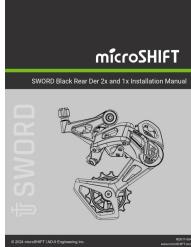
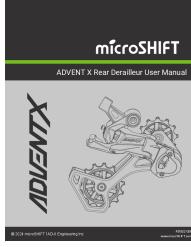
For specific warranty information regarding your Microshift R8 3x8 Road Dual Control Levers, please refer to the warranty card included with your purchase or visit the official microSHIFT website.

For technical support or further assistance, please contact microSHIFT customer service through their official channels.

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## Related Documents

	<p><a href="#">microSHIFT Cassette User Manual: Installation and Removal Guide</a></p> <p>A comprehensive user manual for microSHIFT cassettes, detailing installation and removal procedures for various models and freehub types. Includes tools required, freehub body compatibility, and step-by-step guides for H-series and G-series cassettes.</p>

	<p><a href="#">microSHIFT SWORD Black Rear Derailleur 2x and 1x Installation Manual</a></p> <p>Comprehensive installation guide for the microSHIFT SWORD Black Rear Derailleur, covering 2x and 1x setups. Includes steps for attachment, limit screw adjustment, cable routing, chain sizing, and shifting adjustments.</p>
	<p><a href="#">microSHIFT ADVENT X Rear Derailleur User Manual</a></p> <p>A comprehensive user manual for the microSHIFT ADVENT X Rear Derailleur, covering installation, adjustment, and troubleshooting. Includes detailed steps for attachment, limit screw adjustments, cable installation, chain sizing, and B-tension adjustment.</p>

## Documents - microSHIFT – SB-R483



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