

## microSHIFT BS-SR-M11-R

# microSHIFT BS-SR-M11-R Right Bar End Shifter Instruction Manual

Model: BS-SR-M11-R | Brand: microSHIFT

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## 1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your microSHIFT BS-SR-M11-R Right Bar End Shifter. This shifter is designed for 11-speed mountain bike systems and is compatible with SRAM X-Actuation. It offers reliable and precise gear transitions for various cycling disciplines, including mountain biking, gravel riding, and touring.



Figure 1: microSHIFT BS-SR-M11-R Right Bar End Shifter. This image shows the shifter unit, typically mounted at the end of a handlebar.

## 2. SAFETY INFORMATION

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Always prioritize safety when installing or maintaining bicycle components. Improper installation or adjustment can lead to serious injury or damage to your bicycle.

- Ensure all components are securely fastened according to torque specifications (if applicable).
- If you are unsure about any installation step, consult a professional bicycle mechanic.
- Wear appropriate safety gear, such as gloves and eye protection, during installation and maintenance.
- Regularly inspect your shifter and cables for wear or damage. Replace worn parts immediately.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package before beginning installation:

- microSHIFT BS-SR-M11-R Right Bar End Shifter (1 unit)
- Stainless Slick Shift Cables (1 set)

## 4. SETUP AND INSTALLATION

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The microSHIFT BS-SR-M11-R shifter is designed for straightforward installation on handlebars with an internal diameter of 19-21mm. It is compatible with 11-speed MTB 1x11 systems and SRAM X-Actuation components.

### 4.1 Handlebar Compatibility

This bar end shifter utilizes an expander plug for secure mounting. Ensure your handlebar's internal diameter falls within the 19-21mm range for proper fitment.

### 4.2 Shifter Mounting

1. Carefully insert the shifter's expander plug into the end of the right handlebar.
2. Tighten the expander bolt (if applicable) to secure the shifter firmly in place. Do not overtighten.
3. Ensure the shifter body is oriented correctly for comfortable and ergonomic access.

### 4.3 Cable Routing and Connection

1. Route the included stainless slick shift cable through the shifter body and your bicycle's cable housing.
2. Connect the cable to your SRAM X-Actuation compatible 11-speed rear derailleur.
3. Adjust cable tension at the derailleur and/or inline adjusters to achieve proper shifting.

*Note: For optimal performance, ensure cable housing is cut cleanly and ferrules are properly seated.*

## 5. OPERATING INSTRUCTIONS

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The microSHIFT BS-SR-M11-R shifter provides precise control over your 11-speed drivetrain. It features both indexed and friction shifting modes.

### 5.1 Indexed Shifting Mode

In indexed mode, the shifter provides distinct clicks for each gear change, ensuring accurate and consistent shifts across your 11-speed cassette. This mode is ideal for most riding conditions where precise gear selection is desired.

- To shift to a higher gear (smaller cog), push the lever forward.
- To shift to a lower gear (larger cog), pull the lever backward.
- Each movement corresponds to one gear change.

### 5.2 Friction Shifting Mode

The shifter can be converted to friction mode, which allows for continuous, non-indexed adjustment of the

derailleur. This mode offers flexibility and can be particularly useful in challenging mechanical conditions or with slightly misaligned drivetrains. It requires more rider input to find the correct gear position.

- To engage friction mode, refer to the specific instructions provided with your shifter or consult a professional mechanic. This typically involves a small adjustment on the shifter body.
- In friction mode, move the lever gradually until the chain is centered on the desired cog without rubbing.

### 5.3 Adjustable Shifting Tension

The shifter features adjustable tension, allowing you to customize the feel of each shift. A small screw or dial on the shifter body typically controls this. Adjust it to your preference for a lighter or firmer shift action.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your microSHIFT bar end shifter. This shifter is designed for low maintenance, but periodic checks are recommended.

- **Cleaning:** Keep the shifter body and surrounding areas clean from dirt and debris. Use a damp cloth and mild soap if necessary.
- **Cable Inspection:** Periodically inspect the shift cables and housing for fraying, kinks, or corrosion. Replace cables and housing as needed to maintain smooth shifting.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the shifter and the exposed sections of the shift cable where it enters the housing.
- **Tension Check:** Ensure the shifter's mounting bolt remains securely tightened.

## 7. TROUBLESHOOTING

If you experience issues with your shifter, consult the following common troubleshooting steps:

- **Difficulty Shifting / Ghost Shifting:**
  - Check cable tension. Too loose or too tight can affect shifting accuracy. Adjust using inline adjusters or the derailleur's barrel adjuster.
  - Inspect shift cables and housing for damage or excessive friction. Replace if necessary.
  - Ensure the rear derailleur is properly aligned and not bent.
- **Shifter Feels Loose:**
  - Check the expander bolt inside the handlebar. Tighten it securely, but do not overtighten.
  - Verify that the handlebar's internal diameter is within the specified 19-21mm range.
- **Indexing Issues (e.g., with Shimano Derailleurs):**
  - This shifter is specifically designed for SRAM X-Actuation 11-speed mountain systems. While it may operate in friction mode with other brands, indexed shifting compatibility with non-SRAM 11-speed mountain derailleurs (e.g., Shimano Ultegra 11-speed road mech) is not guaranteed and may not function correctly.
  - If using with a non-SRAM system, consider utilizing the friction shifting mode for greater compatibility.

If problems persist after attempting these steps, it is recommended to consult a professional bicycle mechanic.

## 8. SPECIFICATIONS

Model Number	BS-SR-M11-R
Brand	microSHIFT
Hand Orientation	Right

<b>Speed Compatibility</b>	11-Speed
<b>Drivetrain Compatibility</b>	SRAM X-Actuation (MTB 1x11 systems)
<b>Mounting Type</b>	Bar End (Expander Plug)
<b>Handlebar Internal Diameter</b>	19-21mm
<b>Material</b>	Precision-machined Aluminum
<b>Color</b>	Black
<b>Included Components</b>	Stainless Slick Shift Cables
<b>Item Weight</b>	Approximately 5.3 ounces (0.33 lbs)
<b>Product Dimensions</b>	0.43"L x 0.04"W (as per available data, may refer to a specific part)

## 9. WARRANTY INFORMATION

This microSHIFT product is covered by a **Limited Warranty**. For detailed information regarding warranty terms, conditions, and duration, please refer to the official microSHIFT website or contact their customer support directly. Keep your proof of purchase for warranty claims.

## 10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue that cannot be resolved using the troubleshooting guide, please contact microSHIFT customer support.

For the most up-to-date contact information, please visit the official microSHIFT website:

[www.microshift.com](http://www.microshift.com)