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## Microshift MSH-SL-M9605-R

# microSHIFT Advent X Trail Trigger Pro Right Shifter 1x10 Speed User Manual

Model: MSH-SL-M9605-R

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## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your microSHIFT Advent X Trail Trigger Pro Right Shifter. This shifter is designed for 1x10 speed bicycle drivetrains, specifically compatible with microSHIFT ADVENT X components. Proper installation and regular maintenance are crucial for optimal performance and longevity.



*Figure 1: microSHIFT Advent X Trail Trigger Pro Right Shifter. This image shows the right-hand trigger shifter with its ergonomic levers and textured thumb pad.*

## 2. SAFETY INFORMATION

Always prioritize safety when working on your bicycle. Read and understand all instructions before proceeding with installation or maintenance. Failure to follow these instructions may result in injury or damage to your equipment.

- Wear appropriate safety gear, including gloves and eye protection.
- Ensure your bicycle is stable and secure before performing any work.
- If you are unsure about any part of the installation or adjustment process, consult a professional bicycle mechanic.
- Keep small parts away from children.

## 3. PACKAGE CONTENTS

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

- microSHIFT Advent X Trail Trigger Pro Right Shifter (1x10 Speed)

- Shift Cable (pre-installed or separate)
- Cable End Cap

## 4. SETUP AND INSTALLATION

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This section outlines the steps for installing your microSHIFT Advent X Trail Trigger Pro Right Shifter.

### 4.1 Mounting the Shifter

1. **Prepare Handlebar:** Ensure the handlebar area where the shifter will be mounted is clean and free of grease.
2. **Position Shifter:** Slide the shifter onto the right side of your handlebar. Position it ergonomically for comfortable thumb access to the levers. The shifter is designed for flat handlebars.
3. **Secure Shifter:** Use a 4mm hex wrench to tighten the shifter's clamp bolt. Tighten securely, but do not overtighten, as this can damage the shifter or handlebar. Refer to your handlebar manufacturer's torque specifications if available.

### 4.2 Installing the Shift Cable

If the shift cable is not pre-installed, follow these steps:

1. **Access Cable Port:** Shift the shifter to the highest gear (smallest cog on the cassette). This will align the cable port.
2. **Insert Cable:** Carefully feed the new shift cable through the designated cable entry point on the shifter body until the cable head seats firmly in its housing.
3. **Route Cable:** Route the shift cable along your bicycle frame, securing it with cable ties or frame guides, towards the rear derailleur. Ensure the cable path is smooth and free of sharp bends.
4. **Attach to Derailleur:** Attach the cable to your microSHIFT ADVENT X 10-speed rear derailleur according to the derailleur's instructions. Pull the cable taut and secure it with the derailleur's pinch bolt.
5. **Trim Cable:** Trim any excess cable, leaving approximately 2-3 cm beyond the pinch bolt. Install a cable end cap to prevent fraying.

## 5. OPERATING THE SHIFTER

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The microSHIFT Advent X Trail Trigger Pro Right Shifter provides intuitive control over your 1x10 speed drivetrain.

- **Upshifting (to a larger cog, easier gear):** Use the larger, lower lever. Pressing this lever with your thumb will shift the chain to a larger cog on the cassette, making pedaling easier.
- **Downshifting (to a smaller cog, harder gear):** Use the smaller, upper lever. Pressing this lever with your thumb will shift the chain to a smaller cog, making pedaling harder and faster.
- **Ergonomics:** The shifter features a silicon traction pad on the lower lever for enhanced grip and comfort in various weather conditions. The lever throw is designed to be light and precise for quick gear changes.

Always pedal forward while shifting to ensure smooth and efficient gear changes. Avoid shifting under heavy load to prevent premature wear on your drivetrain components.

## 6. MAINTENANCE

Regular maintenance will extend the life and ensure the reliable performance of your shifter.

- **Cleaning:** Periodically wipe down the shifter body with a clean, damp cloth. Avoid using harsh chemicals or solvents that could damage the plastic or rubber components.
- **Cable Inspection:** Inspect the shift cable and housing regularly for signs of fraying, kinks, or corrosion. Replace worn cables and housing promptly to maintain shifting performance.
- **Lubrication:** Apply a small amount of light lubricant to the pivot points of the shifter levers and the exposed sections of the shift cable where it enters the housing. Do not over-lubricate.
- **Bolt Check:** Periodically check the shifter's clamp bolt for proper tightness.

## 7. TROUBLESHOOTING

If you experience issues with your shifter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Difficulty shifting, slow shifts	Stretched cable, dirty cable/housing, misaligned derailleur	Adjust cable tension using the barrel adjuster on the shifter or derailleur. Clean and lubricate cable/housing. Check derailleur alignment.
Shifter feels stiff or sticky	Lack of lubrication, internal debris	Apply light lubricant to pivot points. Clean shifter body.
Shifter not holding gear	Incorrect cable tension, worn internal components	Adjust cable tension. If problem persists, professional inspection may be required.

For issues not covered here, or if problems persist, contact microSHIFT customer support or a certified bicycle mechanic.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	MSH-SL-M9605-R
Brand	Microshift
Speed Compatibility	1x10 Speed (ADVENT X specific)
Hand Orientation	Right
Material	Multiple (Aluminum, Plastic)
Color	Black
Product Dimensions (L x W)	16.1L x 7.9W Centimetres
Handle Type	Lever
Special Feature	Easy to Install, Silicon Traction Pad

## 9. WARRANTY AND SUPPORT

microSHIFT products are manufactured to high standards and are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official microSHIFT website or contact their customer service directly.

For technical support, replacement parts, or further assistance, please visit the microSHIFT official website or contact your local authorized dealer.