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› [SHIMANO](#) /

› [Shimano BL-T4000 V-Brake Lever Set Instruction Manual](#)

## SHIMANO BL-T4000

# Shimano BL-T4000 V-Brake Lever Set Instruction Manual

Model: BL-T4000

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your Shimano BL-T4000 V-Brake Lever Set. Please read these instructions thoroughly before use to ensure safe and optimal performance.



Image 1.1: Shimano BL-T4000 V-Brake Lever Set. This image displays the complete brake lever set, including both left and right levers, typically in a black finish, ready for installation on a bicycle handlebar.

### **Package Contents:**

- Shimano BL-T4000 V-Brake Levers (Left and Right)
- Brake Cables (T-Type)
- Cable Housing
- Cable End Caps
- Lock (for lever adjustment or packaging)
- Key (for lock)

Note: The included "Lock" and "Key" components are typically for securing the lever's position or for packaging purposes, not for bicycle security.

## **2. SETUP AND INSTALLATION**

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Proper installation is crucial for safe and effective braking. If you are unsure about any step, consult a professional bicycle mechanic.

### **2.1 Compatibility Check**

The BL-T4000 levers are designed for use with V-brakes and mechanical disc brakes. Ensure your bicycle's brake system is compatible with long-pull brake levers.

## 2.2 Mounting the Levers

1. Loosen the clamp bolt on each brake lever.
2. Slide the levers onto the handlebar to your desired position. Ensure they are easily accessible and comfortable for your hands.
3. Tighten the clamp bolts securely. Do not overtighten, as this can damage the handlebar or lever.

## 2.3 Cable Installation and Routing

1. Insert the T-type cable head into the lever body.
2. Route the brake cable through the cable housing. Ensure the housing is cut to the correct length, allowing for smooth turns without excessive slack or tension.
3. Connect the cable to your V-brake or mechanical disc brake caliper according to the brake manufacturer's instructions.
4. Secure the cable with the appropriate fixing bolt on the brake caliper.

## 2.4 Lever Reach Adjustment

The BL-T4000 levers feature an adjustable reach mechanism to customize the distance from the handlebar to the lever blade. This allows for optimal comfort and control for various hand sizes.

- Locate the reach adjustment screw, typically on the underside or front of the lever body.
- Use an appropriate tool (e.g., Allen key) to turn the screw. Turning it clockwise will move the lever closer to the handlebar, and counter-clockwise will move it further away.
- Adjust both levers to match your preferred reach.

## 3. OPERATING INSTRUCTIONS

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The Shimano BL-T4000 levers provide reliable braking performance when operated correctly.

- **Braking:** Apply pressure to the lever blades to engage the brakes. The long-pull actuation system ensures a powerful and responsive braking feel.
- **Progressive Braking:** For controlled stopping, apply gradual pressure to the levers. Avoid sudden, hard braking unless in an emergency, as this can lead to loss of control.
- **Lever Feel:** The levers should feel firm and consistent throughout their travel. If they feel spongy or too hard, refer to the Troubleshooting section.

## 4. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your brake levers.

- **Cleaning:** Keep the levers and surrounding areas clean from dirt and grime. Use a damp cloth and mild soap if necessary. Avoid harsh chemicals.
- **Cable Inspection:** Periodically check brake cables for fraying, kinks, or corrosion. Replace damaged cables immediately.
- **Lubrication:** Apply a small amount of bicycle-specific lubricant to the pivot points of the levers and where cables enter the housing to ensure smooth operation.
- **Bolt Tightness:** Regularly check that all mounting bolts are securely tightened.
- **Corrosion Resistance:** The aluminum construction and anodized finish are designed to resist corrosion, but regular cleaning and inspection are still recommended, especially in wet or humid conditions.

## 5. TROUBLESHOOTING

Address common issues with your brake levers using the following guide:

Problem	Possible Cause	Solution
Spongy or weak braking	Loose cable, stretched cable, worn brake pads, contaminated brake surface.	Adjust cable tension, replace stretched cables, inspect and replace brake pads, clean brake surface.
Brakes squeal or make noise	Contaminated brake pads/rim, misaligned brake pads, loose components.	Clean brake pads and rim, adjust pad alignment, check all bolts for tightness.
Lever feels too hard to pull	Friction in cable housing, corroded cable.	Lubricate cables and housing, replace cables and housing if severely corroded.
Lever does not return fully	Friction in lever pivot, stiff cable, weak return spring on brake caliper.	Lubricate lever pivot, lubricate/replace cable, check brake caliper return spring.

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

## 6. SPECIFICATIONS

<b>Brand</b>	SHIMANO
<b>Model Name</b>	Alivio BL-T4000 V-Brake
<b>Part Number</b>	EBLT4000PAL
<b>Material</b>	Aluminum
<b>Color</b>	Black
<b>Product Dimensions</b>	9.25"L x 8.5"W (Package dimensions: 9.21 x 8.98 x 2.83 inches)
<b>Item Weight</b>	1.2 Pounds (approx. 0.54 kg)
<b>Specific Uses</b>	Brake Lever, Flat Bar/BMX Pair
<b>Special Feature</b>	Adjustable Reach
<b>Compatibility</b>	V-brakes, Mechanical Disc Brakes (Long-pull)
<b>UPC</b>	689228610217

## 7. WARRANTY AND SUPPORT

### 7.1 Warranty Information

This Shimano product is covered by a Limited Warranty. For specific terms and conditions, please refer to the warranty documentation included with your purchase or visit the official Shimano website. The warranty typically covers manufacturing defects in materials and workmanship under normal use.

### 7.2 Customer Support

For technical assistance, replacement parts, or warranty claims, please contact Shimano customer support through their official website or authorized service centers. When contacting support, please have your product model (BL-T4000) and part number (EBLT4000PAL) available.