

TX-RA7100-GS Road

WheelTop EDS TX Road Bike Hydraulic Brake Electronic Groupset User Manual

Model: TX-RA7100-GS Road



1. INTRODUCTION

Thank you for choosing the WheelTop EDS TX Road Bike Hydraulic Brake Electronic Groupset. This advanced system combines precise electronic shifting with powerful hydraulic braking for an unparalleled cycling experience. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new groupset to ensure optimal performance and longevity.



Image 1.1: WheelTop EDS TX Groupset components as received in packaging.

2. PRODUCT FEATURES

- **Ultra-Low Profile Rear Derailleur:** Dimensions: 25.8mm. Highlights the frame with a sleek appearance. Main mechanism concealed under the upper connecting rod for enhanced frame protection. Impact-resistant design for maintenance-friendly operation.
- **Efficient Front Derailleur:** Single-control button for easy gear shifting. Customizable button functions through the dedicated mobile APP for personalized user experience.
- **Wireless Manual Controller:** Seamless wireless communication with each transmission component. Gear position feedback displayed through a convenient code table.
- **Integrated Clamp with High Air Tightness:** Ensures optimal air tightness for reliable performance. Highly compatible with disc specifications for versatile use.
- **Ceramic Piston for Superior Braking:** Utilizes a ceramic piston for exceptional heat resistance. Delivers super high braking performance for a safe and efficient riding experience.

3. PACKAGE CONTENTS

The WheelTop EDS TX Disc Brake Package includes the following components:

- Shifter (Pair)
- Brake Caliper (Pair)
- Rear Derailleur x 1
- Front Derailleur x 1
- USB Cable x 1
- Caliper Adaptor x 2
- Hydraulic Hose x 2 (71cm + 152cm)
- EZmtb Brake Bleed Kit x 1



Image 3.1: All components included in the WheelTop EDS TX Groupset package.

4. INSTALLATION GUIDE

4.1. Shifter Installation

Mount the shifters onto your handlebars. Ensure they are positioned ergonomically for comfortable access to both shifting levers and brake levers. Tighten the clamps securely, but do not overtighten. Route the hydraulic hoses from the shifters to the brake calipers, ensuring smooth bends and no kinks.



Image 4.1: Shifter installed on handlebars.

4.2. Derailleur Installation

Front Derailleur: Install the front derailleur onto your bike's frame according to standard bicycle component installation practices. Ensure proper alignment with the chainrings. The single-control button should be easily accessible.



Image 4.2: Front Derailleur installed.

Rear Derailleur: Attach the rear derailleur to the derailleur hanger on your bike frame. The ultra-low profile design integrates seamlessly. Ensure the main mechanism is concealed for protection. Connect the electronic cable if applicable, or ensure wireless communication is established.



Image 4.3: Rear Derailleur installed.

4.3. Brake Caliper Installation and Hydraulic System Setup

Mount the brake calipers to your bike's frame/fork using the provided caliper adaptors. Connect the hydraulic hoses from the shifters to the calipers. Once all connections are secure, proceed with bleeding the hydraulic brake system using the EZmtb Brake Bleed Kit to remove any air bubbles and ensure proper brake function. Refer to the bleed kit instructions for detailed steps.

4.4. Initial Setup and Pairing

After physical installation, power on the electronic components. The wireless manual controller will seamlessly communicate with each transmission component. Download the dedicated mobile APP to customize button functions and fine-tune settings for personalized user experience. Follow the in-app instructions for initial pairing and calibration.

5. OPERATING INSTRUCTIONS

5.1. Shifting Operation

Use the electronic shifters to change gears. The system provides precise and rapid gear changes across your 7s-13s cassette range. The wireless manual controller provides gear position feedback, often displayed on a compatible code table.

5.2. Braking Operation

Engage the hydraulic brake levers for powerful and consistent stopping performance. The ceramic piston ensures excellent heat resistance and reliable braking in various conditions. Apply even pressure for smooth deceleration.

5.3. Mobile App Usage

The dedicated mobile application allows for advanced customization of your groupset. You can:

- Customize shifter button functions.
- Monitor battery levels of electronic components.
- Perform firmware updates.
- Access diagnostic information.

Refer to the app's help section for detailed instructions on specific features.

6. MAINTENANCE

6.1. General Cleaning

Regularly clean your groupset components with a mild degreaser and a soft brush. Rinse with water and dry thoroughly. Avoid high-pressure washing directly on electronic components or seals.

6.2. Brake System Maintenance

Periodically check your hydraulic brake system for proper fluid levels and air in the lines. If braking performance degrades or levers feel spongy, re-bleed the system using the EZmtb Brake Bleed Kit. Inspect brake pads for wear and replace as necessary.

6.3. Battery Charging

The electronic components are powered by internal batteries. Use the provided USB cable to charge the shifters and derailleurs as indicated by the mobile app or component indicators. Ensure components are fully charged before long rides.

7. TROUBLESHOOTING

- **Shifting Issues:** If shifting is inconsistent or unresponsive, check battery levels. Ensure derailleurs are properly aligned and limit screws are set correctly. Use the mobile app for fine-tuning and diagnostics.
- **Brake Lever Feels Spongy:** This indicates air in the hydraulic lines. Perform a brake bleed procedure using the EZmtb Brake Bleed Kit. Check for any leaks in the system.
- **No Power/Connectivity:** Ensure all electronic components are charged. Check for proper pairing via the mobile app. If issues persist, try resetting the components according to app instructions.
- **Unusual Noises:** Inspect the chain, cassette, and derailleurs for debris or damage. Ensure all bolts are tightened to the recommended torque specifications.

For further assistance, refer to the mobile application's troubleshooting section or contact customer support.

8. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Name	TX-RA7100-GS Road: Aluminum Alloy Hydraulic Disc Brake Groupset TX-RA7100-GS
Mounting Type	Clamp-On Mount
Number of Speeds Supported	7s-13s (up to 13 teeth on cassette)
Included Components	Rear Derailleur, Hydraulic Hose, Hydraulic Brake Caliper, Front Derailleur, Shifters, USB Cable, Caliper Adaptors, EZmtb Brake Bleed Kit
Size	One-Size
Color	Black
Material	Aluminum
Item Weight	2.5 Kilograms

9. WARRANTY AND SUPPORT

9.1. Warranty Information

This WheelTop EDS TX Groupset comes with a **1 Year Manufacturer Warranty**. Please retain your proof of purchase for any warranty claims. The warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, misuse, accidents, or unauthorized modifications.

9.2. Customer Support

For technical support, troubleshooting assistance, or warranty inquiries, please contact your retailer or the manufacturer directly. Refer to the product packaging or the manufacturer's official website for contact details.




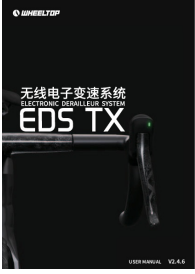



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[WHEELTOP EDS TX Electronic Derailleur System User Manual](#)

Comprehensive user manual for the WHEELTOP EDS TX Electronic Derailleur System, covering installation, setup, and operation for road bikes. Includes detailed guides on components like the duo-control lever, front derailleur, and rear derailleur, along with charging instructions and system pairing.

	<p>SRAM eTap AXS System User Manual: Installation and Operation Guide</p> <p>Comprehensive user manual for SRAM eTap AXS electronic shifting systems. Covers installation, setup, operation, safety instructions, AXS App usage, battery management, and maintenance for road and gravel bicycles. Essential guide for cyclists.</p>
	<p>WHEELTOP EDS TX User Manual: Wireless Electronic Derailleur System Installation & Operation</p> <p>Comprehensive user manual for the WHEELTOP EDS TX wireless electronic derailleur system. Learn about installation, setup, calibration, and maintenance for your cycling needs.</p>
	<p>WHEEL TOP EDS TX Electronic Derailleur System User Manual</p> <p>Comprehensive user manual for the WHEEL TOP EDS TX Electronic Derailleur System, covering installation, setup, and safety instructions. Includes FCC compliance information.</p>
	<p>Colnago V5Rs Mounting Support Manual</p> <p>A comprehensive guide for the assembly and adjustment of the Colnago V5Rs road racing bicycle, covering parts, tools, installation procedures, technical specifications, and geometry.</p>
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