

## ThinkRider XX Pro

# ThinkRider XX Pro Smart Direct Drive Bike Trainer User Manual

Model: XX Pro

Brand: ThinkRider

## 1. INTRODUCTION

This user manual provides comprehensive instructions for the setup, operation, maintenance, and troubleshooting of your ThinkRider XX Pro Smart Direct Drive Bike Trainer. Please read this manual carefully before using the product to ensure safe and optimal performance.



Figure 1: Front view of the ThinkRider XX Pro Smart Direct Drive Bike Trainer.

## 2. PRODUCT OVERVIEW

The ThinkRider XX Pro is a high-performance smart direct drive bike trainer designed for indoor cycling. It features a powerful motor, self-power generation capability, and broad compatibility with popular cycling applications and GPS devices.

### Key Features:

- **Motor-Driven Performance:** Equipped with a powerful motor, offering 1% power accuracy, a maximum slope resistance of 25%, and a peak power output of 2500W.
- **Self-Power Generation:** Operates without an external power source; continuous pedaling generates its own power.
- **Broad Compatibility:** Supports Bluetooth and ANT+ connectivity for seamless integration with GPS bike computers and applications like Zwift.
- **Quiet Operation:** Designed for minimal noise, operating at only 58 decibels to ensure a quiet training environment.

# POTENTE RENDIMIENTO

Adopta un nuevo motor sin cepillo de alta potencia para soportar hasta 2500w de potenciaPotencia, simula hasta un gradiente del 25%, atiende al nivel profesionalEntrenamiento simultáneo de sprint y escalada en roca para entrenamiento integral Actualización integral de la capacitación

**Precisión de potencia**

**$\pm 1\%$**

**Pendiente Máxima**

**25%**

**Potencia máxima**

**2500w**



Figure 2: Overview of the XX Pro's powerful performance metrics, including 1% power accuracy, 25% maximum incline, and 2500W maximum power.

# INTERACCIÓN INTELIGENTE

XX - pro incorpora protocolos de comunicación inalámbrica ant + fe - C y BL ftms  
Soporte con aplicaciones para bicicletas populares (como zwift, trainerload, rouvy,  
Y computadoras para bicicletas eléctricas de marcas como garmin, wahoo e igpsport



Figure 3: Illustration of the XX Pro's smart interaction capabilities, supporting Bluetooth and ANT+ for connectivity with various devices and applications.

## 3. PACKAGE CONTENTS

Before beginning assembly, please verify that all components listed below are present in your package:

- 1 x ThinkRider XX Pro Trainer Unit
- 1 x Power Adapter
- 1 x User Manual
- 1 x 12x142/12x148 Thru-Axle Adapter
- 1 x 5x130/5x135 Quick Release Adapter
- Flywheel Washer (8-9-10 speed compatible)
- Non-drive cylindrical axle converter
- Drive cylindrical axle converter
- Quick release removal tool for special traction force side

- Base Screw
- Quick release specification removal for non-drive side converter

# CONTENIDO DEL EMBALAJE



Figure 4: Visual representation of all items included in the ThinkRider XX Pro package.

## 4. SETUP AND ASSEMBLY

### 4.1 Unfolding the Trainer

Carefully remove the trainer from its packaging. Unfold the legs of the trainer until they lock securely into place. Ensure the trainer is stable on a flat, level surface.

# POTENCIACIÓN SIN ENCHUFE MONTAR

Autogeneración mejorada por X - Pro  
La eficiencia trae una experiencia de ciclismo  
más real. Experiencia al desconectar la fuente  
de alimentación



In 2024,

El último producto insignia de thinkrider

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Figure 5: The XX Pro trainer with its legs unfolded, demonstrating its self-powering capability without a plug.

## 4.2 Attaching Your Bicycle

The XX Pro trainer supports both quick release (5x130/5x135 cm) and thru-axle (12x142/12x148) bicycle setups. Select the appropriate adapter from the package contents.

1. Remove the rear wheel from your bicycle.
2. Install the correct adapter onto the trainer's axle.
3. Carefully align your bicycle's rear dropouts with the trainer's axle.
4. Secure your bicycle to the trainer using the quick release skewer or thru-axle, ensuring it is firmly seated and stable.

## 4.3 Power Connection (Optional)

The ThinkRider XX Pro is capable of self-power generation. However, for initial setup or if you prefer a consistent power supply, you may connect the provided power adapter to the trainer and a wall outlet.

## 5. OPERATING INSTRUCTIONS



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## 5.1 Initial Ride and Calibration

Once your bicycle is securely mounted, begin pedaling. The trainer will power on automatically if not connected to an external power source. For optimal accuracy, it is recommended to perform a spin-down calibration through your preferred cycling application (e.g., Zwift) or bike computer.

## 5.2 Connecting to Applications and Devices

The XX Pro trainer supports both Bluetooth (BLE) and ANT+ protocols for connectivity.

- **Bluetooth (BLE):** Open your cycling application (e.g., Zwift, TrainerRoad) on your smartphone, tablet, or computer. Navigate to the sensor pairing menu and select the ThinkRider XX Pro from the list of available devices.
- **ANT+:** For ANT+ compatible bike computers (e.g., Garmin, Wahoo, iGPSPORT), ensure ANT+ is enabled on your device. Search for new sensors, and the trainer should appear as a power meter and speed/cadence sensor.

Follow the on-screen prompts within your application or device to complete the pairing process.

## 5.3 Training Modes

The trainer's resistance is controlled by the connected application or device. Common training modes include:

- **ERG Mode:** The trainer automatically adjusts resistance to maintain a target wattage, regardless of your cadence or gear.
- **SIM Mode:** Simulates real-world terrain and gradients from virtual courses (e.g., in Zwift), adjusting resistance based on the virtual incline.
- **Resistance Mode:** Allows you to manually set a fixed resistance level.

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## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ThinkRider XX Pro trainer.

### 6.1 Cleaning

- After each use, wipe down the trainer with a soft, damp cloth to remove sweat and dust.
- Avoid using abrasive cleaners or solvents, as these can damage the finish or internal components.
- Keep the area around the flywheel and motor free of debris.

### 6.2 Storage

When not in use, fold the trainer's legs for compact storage. Store the trainer in a dry, cool place away from direct sunlight and extreme temperatures.



Figure 6: Close-up views highlighting the robust construction and design details of the XX Pro trainer, including the handle, base, and logo.

## 7. TROUBLESHOOTING

If you encounter any issues with your ThinkRider XX Pro trainer, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Trainer not powering on (in self-power mode)	Insufficient pedaling speed or duration.	Pedal continuously for a few seconds to generate power. Ensure the power adapter is connected if not relying on self-power.
Cannot connect to cycling application/device	Bluetooth/ANT+ not enabled; trainer not discoverable; interference.	Ensure Bluetooth/ANT+ is enabled on your device. Restart the trainer by pedaling. Move closer to the trainer. Check for other interfering devices.



Problem	Possible Cause	Solution
Inaccurate power readings	Trainer requires calibration.	Perform a spin-down calibration through your cycling application or bike computer.
Unusual noise during operation	Loose components; debris in flywheel area; bicycle not properly mounted.	Check all bolts and connections. Clear any debris. Re-mount the bicycle securely.

If the problem persists after attempting these solutions, please contact ThinkRider customer support.

## 8. SPECIFICATIONS

Feature	Detail
Model	XX Pro
Brand	ThinkRider
Resistance Mechanism	Electromagnetic
Maximum Power Output	2500 W
Maximum Simulated Incline	25%
Power Accuracy	±1%
Noise Level	58 dB
Connectivity	Bluetooth (BLE), ANT+
Compatible Bike Types	Road bike
Compatible Wheel Size	26 Inches (and others compatible with adapters)
Axle Compatibility	Quick Release (5x130/5x135 cm), Thru-Axle (12x142/12x148)
Material	Metal
Color	Black
Dimensions (L x W x H)	50 x 48 x 52 cm
Weight	19.3 kg
Maximum Load Capacity	110 kg
Power Source	Self-generating or external power adapter

## 9. WARRANTY AND SUPPORT

ThinkRider provides quality assurance for the XX Pro trainer. If you encounter any quality-related issues with your

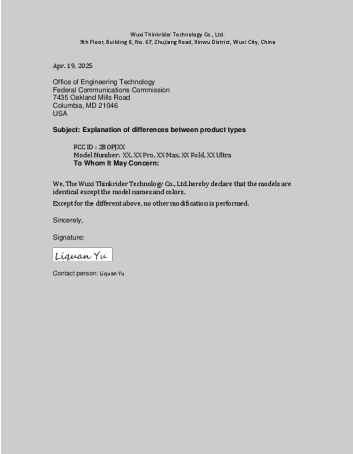
product, please contact ThinkRider customer support directly. Do not initiate a return without contacting support first, as they may be able to provide a free replacement for defective equipment.

For further assistance or inquiries, please visit the official ThinkRider website or contact their customer service department through the contact information provided with your purchase.



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Documents - ThinkRider – XX Pro



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Date gretchen Difference Description Wuxi Thinkrider Technology Co Ltd XX SMART BIKE TRAINER 2BOPJXX xx

Wuxi Thinkrider Technology Co., Ltd. 9th Floor, Building 8, No. 67, Zhujiang Road, Xinwu District, W ... 46 USA Subject: Explanation of differences between product types FCC ID : 2BOPJXX Model Number: XX, XX Pro, XX Max, XX Fold, XX Ultra To Whom It May Concern: We, The Wuxi Thinkrider Technology Co., Lt...

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5600 5650 MHz Transmission Restriction Clinton Bradley FCC Software Configuration Control Declaration Rev1 1 Wuxi Thinkrider Technology Co Ltd XX SMART BIKE TRAINER 2BOPJXX xx

Wuxi Thinkrider Technology Co., Ltd. 9th Floor, Building 8, No. 67, Zhujiang Road, Xinwu District, W ... d Mills Road Columbia, MD 21046 USA Attn: OET Dept. Product/ Model Number: SMART BIKE TRAINER / XX, XX Pro, XX Max, XX Fold, XX Ultra FCC ID: 2BOPJXX Regarding FCC Country Code Selection guidelines id...

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[ThinkRider XX PRO Smart Bike Trainer User Manual](#)

Explore the ThinkRider XX PRO Smart Bike Trainer with this comprehensive user manual. Learn about its advanced features, installation, technical specifications, software compatibility (like Zwift), and warranty information from ThinkRider.

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