

ThinkRider X2Max

ThinkRider X2Max Smart Bike Trainer User Manual

Model: X2Max | Brand: ThinkRider

1. INTRODUCTION

The ThinkRider X2Max Smart Bike Trainer is a high-performance indoor cycling trainer designed to provide a realistic and immersive riding experience. It features advanced electromagnetic resistance, simulating inclines up to 18%, and offers precise power measurement with an accuracy of $\pm 2\%$. Its quiet operation ensures minimal disturbance, making it ideal for home use. The trainer supports both ANT+ and BLE dual-mode protocols, ensuring broad compatibility with popular cycling software.

Key features include:

- Strong compatibility with BLE and ANT+ protocols.
- Powerful and accurate power output up to 2000W.
- Intelligent variable resistance simulating up to 18% slope.
- Quiet operation with noise levels around 58dB at 30km/h.
- Durable I-beam triangular structure for stability.

2. SAFETY INFORMATION

Please read all safety instructions before using the ThinkRider X2Max Smart Bike Trainer. Failure to follow these instructions may result in injury or damage to the product.

- Ensure the trainer is placed on a stable, level surface.
- Keep hands, feet, and loose clothing away from moving parts, especially the cassette and flywheel.
- Do not allow children or pets near the trainer during operation. The fully enclosed enclosure helps prevent accidental contact with rotating units.
- Use only the provided power adapter.
- Regularly inspect the trainer for any signs of wear or damage. Do not use if damaged.
- Ensure your bicycle is securely mounted to the trainer before beginning any training session.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- ThinkRider X2Max Smart Bike Trainer Unit
- Flywheel washer
- Power adapter
- Instruction Manual (Specification)
- Oil disc caliper plug
- Bucket shaft non-drive side converter
- Bucket shaft drive side converter
- Quick release drive side quick release converter
- Quick disassembly non-drive side converter
- Base screws

COMPATIBLE WITH MAJOR MODELS ON THE MARKET



8-9-10
Flywheel washer



power adapter



specification



Oil disc caliper plug



Bucket shaft non
drive side converter



Bucket shaft drive
side converter



Quick release drive
side quick release
converter



Quick disassembly
non drive side
converter



Base screws

FRAME COMPATIBLE

5*130/5*135(Quick release)

12*142/12*148(Thru-axle)

CASSETTE COMPATIBLE

Shimano 8-12 speed cassette SRAM 8-11 speed cassette
SRAM XDR 12 speed cassette (XDR hub needed)

Image: Included accessories for the ThinkRider X2Max trainer, showing various adapters and tools.

4. SETUP

4.1 Unpacking and Initial Placement

Carefully remove the trainer from its packaging. Place the trainer on a flat, stable surface. The X2Max features a large handle for easy portability.



Image: The ThinkRider X2Max trainer highlighting its thin body and integrated handle for easy transport. The unit weighs 16 kg.

4.2 Cassette Installation

The ThinkRider X2Max is compatible with Shimano 8-12 speed cassettes, SRAM 8-11 speed cassettes, and SRAM XDR 12 speed cassettes (XDR hub needed). A cassette is not included with the trainer and must be purchased separately. Install your desired cassette onto the trainer's freehub body according to the cassette manufacturer's instructions.

4.3 Bike Mounting

The trainer supports various frame types and axle standards:

- **Frame Compatibility:** 5*130/5*135 (Quick release), 12*142/12*148 (Thru-axle).

Use the appropriate adapters provided to securely mount your bicycle's rear dropout onto the trainer. Ensure the bike is

firmly seated and the quick release or thru-axle is tightened correctly.



Image: A road bike securely mounted on the ThinkRider X2Max trainer, demonstrating its readiness for indoor cycling.

4.4 Power Connection

Connect the provided power adapter to the trainer and plug it into a standard electrical outlet. The trainer is now ready for operation.

5. OPERATING INSTRUCTIONS

5.1 Connectivity (ANT+ & BLE)

The X2Max Smart Bike Trainer supports both ANT+ and Bluetooth Low Energy (BLE) dual-mode protocols, allowing it to connect wirelessly to a wide range of devices and cycling applications.

5.2 Software Compatibility

The trainer is compatible with mainstream cycling software, enhancing your indoor training experience. Compatible applications include:

- Onelap
- Zwift
- Kinomap
- BKOOL Cycling
- Rouvy
- Wahoo SYSTM
- FulGaz
- TrainerRoad
- ThinkRider App

It is also compatible with Windows, Android, and Apple operating systems, and smart cycling computers like Garmin and Bryton.



COMPATIBLE WITH MOST CYCLING SOFTWARE

Compatible app:

Onelap、Zwift、Kinomap、
BKOOL Cycling、Rouvy、
Wahoo systemX、FulGaz、
TrainerRoad、ThinkRider...



Compatible system:



Window



Apple

Compatible with smart cycling computer:



Image: Chart illustrating the wide range of compatible cycling software and operating systems for the ThinkRider X2Max trainer.

5.3 Intelligent Variable Resistance and Power Output

The X2Max utilizes a DEPT dynamic electromagnetic torque power meter, providing accurate power readings up to 2000W with $\pm 2\%$ error. When connected to your cycling software, it automatically adjusts resistance to simulate real-world map inclines up to 18%, making your indoor rides more realistic.



Self-developed
DER dynamic
electromagnetic
power meter.

Image: An internal view of the ThinkRider X2Max, highlighting the self-developed DER dynamic electromagnetic power meter responsible for accurate resistance and power measurement.

5.4 Data Display

The trainer provides rich data including cadence, speed, and power, which can be displayed on your connected device or cycling computer.

NEW ADD CADENCE DATA CADENCE /SPEED/POWER RICH DATA AT A GLANCE



Image: The ThinkRider X2Max trainer with an overlay showing real-time cycling data: 96 rpm (cadence), 42 km/h (speed), and 340 watts (power).

5.5 Product Demonstration Video

Video: A product demonstration of the ThinkRider X2Max Smart Bike Trainer, showcasing its portability, easy installation, quiet operation, and compatibility with cycling software. This video highlights the trainer's features and user experience.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ThinkRider X2Max Smart Bike Trainer, follow these maintenance guidelines:

- **Cleaning:** Wipe down the trainer regularly with a soft, damp cloth to remove dust and sweat. Avoid using abrasive cleaners or solvents.
- **Storage:** Store the trainer in a dry, cool place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically check all bolts and connections to ensure they are secure. Inspect the power cable for any damage.

- **Cassette:** Keep your cassette clean and lubricated for smooth shifting and to prevent premature wear.

7. TROUBLESHOOTING

If you encounter issues with your ThinkRider X2Max Smart Bike Trainer, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Trainer not powering on	Power cable loose or damaged; outlet issue.	Check power cable connection; try a different outlet; inspect cable for damage.
Cannot connect to app (BLE/ANT+)	Bluetooth/ANT+ off; trainer not awake; interference; app issues.	Ensure Bluetooth/ANT+ is enabled on device; pedal to wake trainer; move closer to trainer; restart app/device.
Inaccurate power readings	Trainer needs calibration; firmware outdated.	Perform a spin-down calibration via your cycling app; check for firmware updates.
Unusual noise during operation	Loose components; bike not mounted correctly; worn cassette.	Check all connections; ensure bike is securely mounted; inspect cassette for wear.

8. SPECIFICATIONS

Feature	Specification
Model Name	X2Max
Brand	ThinkRider
Color	Black
Material	Iron
Product Dimensions (LxWxH)	17.7" x 19.2" x 21.6"
Item Weight	35.2 Pounds (16 kg)
Load Capacity	240 Pounds
Resistance Mechanism	Electromagnetic
Max Power Output	2000W
Power Accuracy	±2%
Max Simulated Slope	18%
Noise Level	Approx. 58dB at 30km/h
Connectivity	ANT+, BLE (Dual Mode)
Compatible Bike Types	Road Bike, Mountain Bike
Compatible Wheel Size	26 Inches (Note: Trainer is direct drive, wheel size refers to bike compatibility)
Cassette Compatibility	Shimano 8-12 speed, SRAM 8-11 speed, SRAM XDR 12 speed (XDR hub needed)

Feature	Specification
Frame Compatibility	5*130/5*135 (Quick release), 12*142/12*148 (Thru-axle)

9. WARRANTY AND SUPPORT

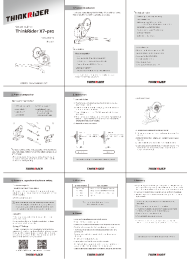
9.1 Warranty Information

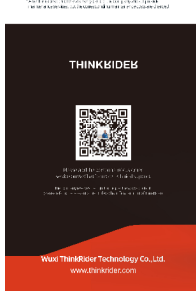
The ThinkRider X2Max Smart Bike Trainer comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper maintenance.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your ThinkRider X2Max Smart Bike Trainer, please contact ThinkRider customer support through the retailer where you purchased the product or visit the official ThinkRider website for contact information.

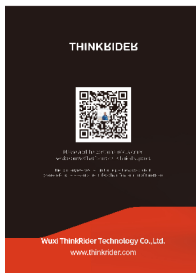
Related Documents - X2Max

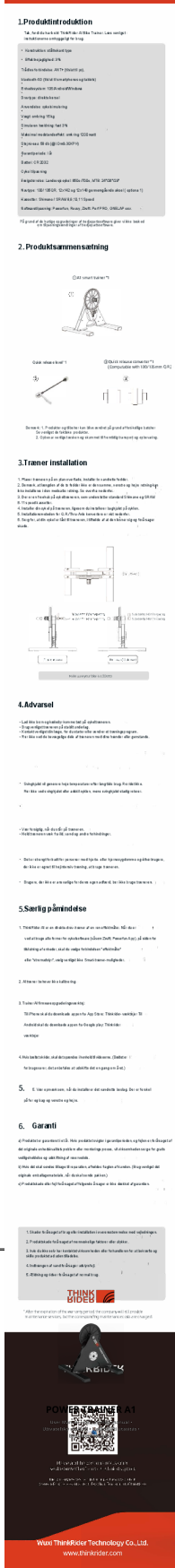
	<p>ThinkRider X7-pro Smart Bike Trainer: Instructions and Setup Guide</p> <p>Comprehensive instructions for setting up, installing, and using the ThinkRider X7-pro smart bike trainer. Covers product features, technical specifications, firmware updates, and safety guidelines.</p>



Comprehensive instructions for the ThinkRider A1 direct-drive power trainer, covering setup, installation, usage, safety precautions, and warranty information. Optimize your cycling training with this smart trainer.

6. Aging and death of the adult by natural causes.





User manual and technical specifications for the ThinkRider Power Trainer A1, a direct-drive cycling trainer. Includes setup instructions, compatibility details, safety warnings, and warranty information.

User manual and technical specifications for the ThinkRider Power Trainer A1, a direct-drive cycling trainer. Includes setup instructions, compatibility details, safety warnings, and warranty information.

Comprehensive user manual for the ThinkRider A1 smart bike trainer, covering product introduction, specifications, installation, safety precautions, and software compatibility.

THINK
RIDER
SMART BIKE TRAINER XX PRO



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

This document provides instructions and specifications for the ThinkRider XX PRO Smart Bike Trainer, covering setup, usage, technical details, and warranty information.

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SMART BIKE TRAINER XX PRO



[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.