

Magene T300

Magene T300 Smart Bicycle Trainer User Manual

Model: T300

Brand: Magene

1. INTRODUCTION

The Magene T300 Smart Bicycle Trainer is a high-performance, direct-drive interactive home trainer designed to provide a realistic and immersive indoor cycling experience. It replicates various terrains and training power levels, offering a comprehensive solution for cyclists of all levels.

Equipped with advanced ANT+ and Bluetooth Smart protocols, the T300 seamlessly communicates with popular third-party applications such as Zwift and TrainerRoad, as well as Magene's own Onelap software. Its robust design and powerful resistance unit allow for a maximum power output of 2600W and simulate gradients up to 22%, making it suitable for intense training sessions, including high-speed sprints and challenging climbs.

This manual provides essential information for setting up, operating, maintaining, and troubleshooting your Magene T300 Smart Bicycle Trainer.

2. PACKAGE CONTENTS

Before proceeding with the setup, please ensure all components are present in the package:

- Magene T300 Smart Bicycle Trainer Unit
- Sweat Guard
- Thru Axle Adapter
- ANT+ USB Dongle
- Quick Release Skewer
- Cassette (pre-installed or separate, depending on model variant)
- Power Adapter and Cable
- User Manual (this document)



Figure 2.1: The Magene T300 Smart Bicycle Trainer, showcasing its compact and stable design with the flywheel and main body visible.

3. SETUP INSTRUCTIONS

3.1 Unfolding the Trainer Legs

Carefully remove the trainer from its packaging. The T300 features foldable legs for easy storage. To set up, gently pull the legs outwards until they lock securely into place. Ensure the trainer is stable on a flat, level surface.



Figure 3.1: The Magene T300 trainer with its stabilizing legs extended, showing the Magene logo on the base.

3.2 Installing the Cassette (if not pre-installed)

If your T300 did not come with a cassette pre-installed, you will need to install one compatible with your bicycle's drivetrain. Use a cassette lockring tool and a chain whip to secure the cassette onto the freehub body. Ensure it is tightened to the manufacturer's specifications.

3.3 Mounting Your Bicycle

The Magene T300 is compatible with various bicycle types, including mountain bikes, and supports both quick release and thru-axle setups. Use the appropriate adapter provided.

1. Remove the rear wheel from your bicycle.
2. Carefully align your bicycle's rear dropouts with the trainer's freehub and axle.
3. For quick release, insert the provided quick release skewer through the trainer's axle and secure it firmly.
4. For thru-axle, use the provided thru-axle adapter and your bicycle's thru-axle to secure the bike to the trainer.
5. Ensure the bicycle is securely mounted and stable before use.



Figure 3.2: A bicycle securely mounted on the Magene T300 Smart Bicycle Trainer, ready for indoor cycling.

3.4 Power Connection

Connect the power adapter to the trainer's power input port and then plug it into a standard electrical outlet. The trainer will power on, indicated by an LED light.



Figure 3.3: The Magene T300 trainer with its power indicator light illuminated, signifying it is powered on.

4. OPERATING INSTRUCTIONS

4.1 Connecting to Applications

The Magene T300 supports ANT+ and Bluetooth Smart connectivity, allowing it to pair with a wide range of cycling applications on various devices (iOS, Android, MacOS, Windows).

- **Bluetooth Smart:** Enable Bluetooth on your device (smartphone, tablet, computer). Open your preferred cycling application (e.g., Zwift, TrainerRoad, Onelap) and navigate to the sensor pairing menu. The T300 should appear as a discoverable device. Select it to connect.
- **ANT+:** For ANT+ connectivity, plug the provided ANT+ USB dongle into your computer. Open your cycling application and search for ANT+ devices. The T300 will be detected as a power meter, speed sensor, and cadence sensor.

Ensure only one application is actively connected to the trainer via Bluetooth at a time to avoid interference. ANT+ allows multiple connections simultaneously.

4.2 Calibration

For optimal accuracy, it is recommended to perform a spin-down calibration within your cycling application periodically, especially after initial setup or if the trainer has been moved. Follow the on-screen instructions within your chosen application to complete the calibration process.

4.3 Riding Experience

Once connected, the T300 will automatically adjust resistance based on the virtual terrain or structured workout selected in your application. Experience realistic gradient simulations up to 22% and a maximum power output of 2600W for challenging intervals and sprints.



Figure 4.1: A side view of the Magene T300 trainer, highlighting its sleek design and stable base.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Magene T300 trainer.

- **Cleaning:** Wipe down the trainer with a damp cloth after each use, especially to remove sweat. Avoid using abrasive cleaners or solvents.
- **Storage:** When not in use, fold the legs and store the trainer in a dry, cool place away from direct sunlight.
- **Belt Inspection:** Periodically inspect the drive belt for any signs of wear or damage. While the T300 is designed for durability, a visual check can prevent future issues.
- **Firmware Updates:** Check the Magene website or the Onelap application for any available firmware updates for your T300. Keeping the firmware updated ensures the best performance and compatibility.

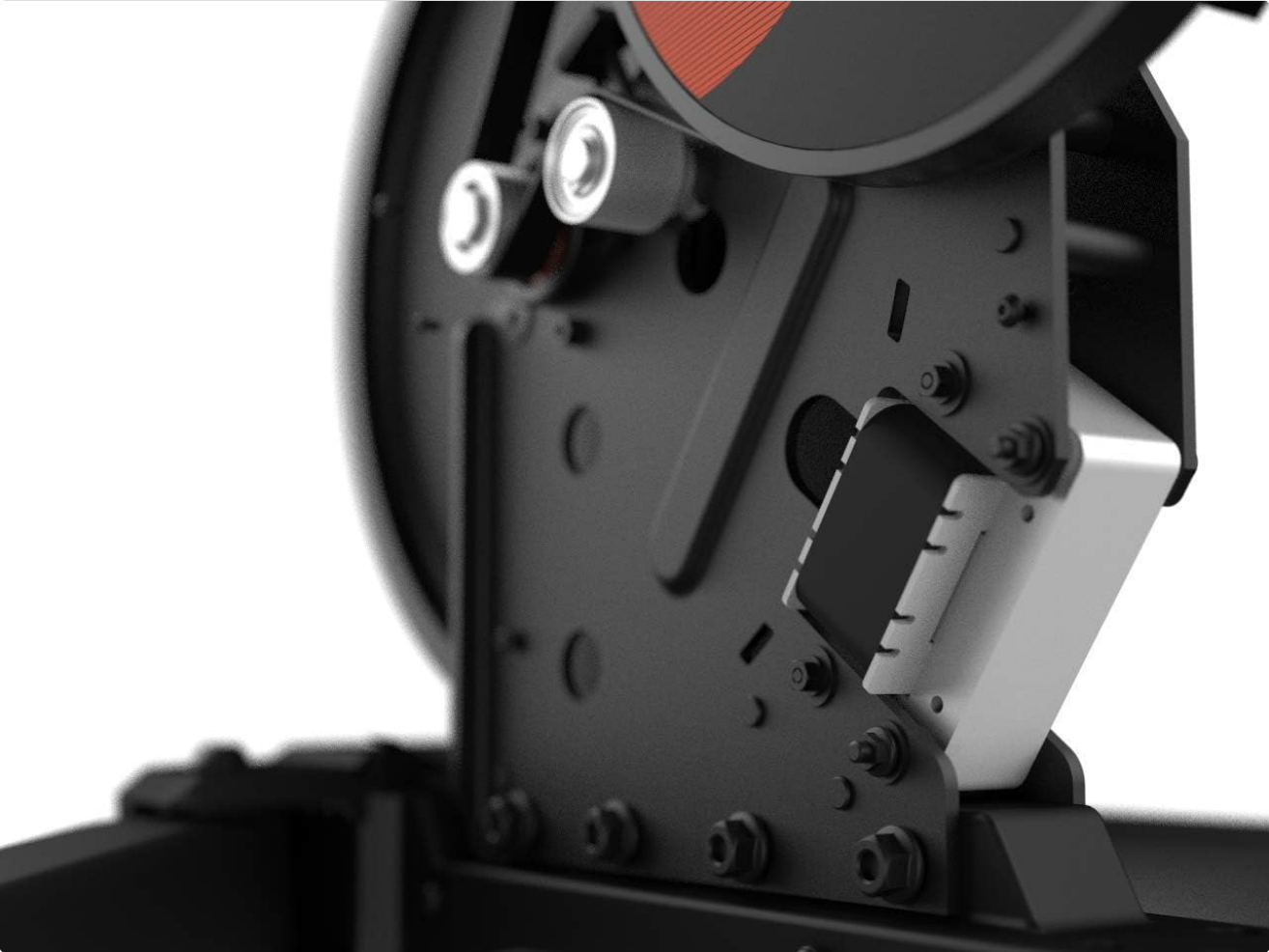


Figure 5.1: A close-up view of the internal belt mechanism of the Magene T300, illustrating the direct drive system.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Trainer not powering on.	Power cable not connected; power outlet issue.	Ensure power cable is securely connected to trainer and outlet. Test outlet with another device.
Cannot connect to cycling app via Bluetooth.	Bluetooth disabled; trainer already connected to another device; app permissions.	Ensure Bluetooth is enabled. Disconnect trainer from other devices. Check app permissions for Bluetooth access. Restart trainer and app.
Inaccurate power readings.	Trainer needs calibration; environmental factors.	Perform a spin-down calibration within your cycling application. Ensure trainer is on a stable, level surface.

Problem	Possible Cause	Solution
Unusual noise during operation.	Loose components; foreign object; worn belt.	Check for any loose bolts or objects near the flywheel. Inspect the drive belt for wear. If noise persists, contact customer support.







7. SPECIFICATIONS

Feature	Detail
Model	T300
Dimensions (L x W x H)	60 x 50 x 35 cm (unfolded)
Weight	17 kg
Material	Aluminium, Alloy Steel
Max Power Output	2600 W
Max Simulated Gradient	22%
Connectivity	ANT+, Bluetooth Smart
Compatible Apps	Zwift, TrainerRoad, Onelap, etc.
Compatible Bike Types	Mountain Bike (and other standard road/gravel bikes with appropriate adapters)
Included Components	Sweat guard, thru axle adapter, ANT+ dongle, quick release, cassette (may vary)

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official Magene website. Magene provides customer support for technical assistance, troubleshooting, and spare parts.

For further assistance, please contact Magene customer support through their official channels. When contacting support, please have your product model (T300) and purchase details ready.

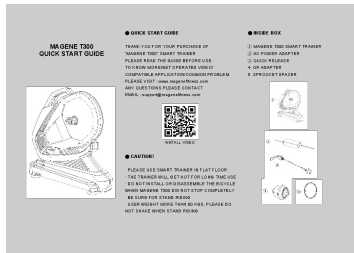
	<p>Magene T300 Plus Smart Trainer: Quick Start Guide and Instructions</p> <p>This document provides a comprehensive quick start guide and instructions for the Magene T300 Plus Smart Trainer, covering unpacking, installation, cassette setup, quick release and thru-axle adapter installation, XDR freehub body installation, attaching your bicycle, and activating the trainer. It also details the trainer's modes and indicators, product specifications, and FCC compliance information.</p>
	<p>Magene T110 Smart Trainer Quick Start Guide</p> <p>A quick start guide for setting up and installing the Magene T110 Smart Trainer, including unpacking, installing the trainer, cassette, quick release, thru-axle adapter, and XDR freehub body.</p>
	<p>Magene T200 Smart Trainer Quick Start Guide</p> <p>A concise guide to setting up and using the Magene T200 Smart Trainer, covering unpacking, assembly, cassette installation, and bicycle attachment for indoor cycling.</p>
	<p>Magene C606 GPS Bike Computer: User Manual, Installation, and Specifications</p> <p>Comprehensive guide for the Magene C606 GPS Bike Computer, covering installation, charging, setup with the OnelapFit app, technical specifications, warranty information, and safety warnings.</p>
	<p>Magene AT Series Smart Bike Headlight User Manual and Specifications</p> <p>Comprehensive guide to the Magene AT Series Smart Bike Headlight, covering package contents, installation, light modes, features, specifications, warnings, and warranty information.</p>
	<p>Magene S3+ Bike Speed and Cadence 2-in-1 Sensor Manual & Specifications</p> <p>Get detailed information on the Magene S3+ dual-mode bike sensor. Learn about installation, setup, features, FAQs, and specifications for speed and cadence tracking via Bluetooth and ANT+.</p>

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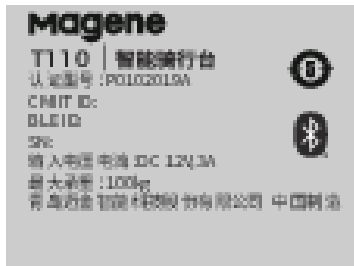
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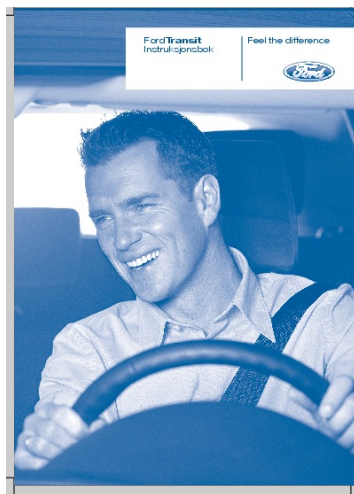
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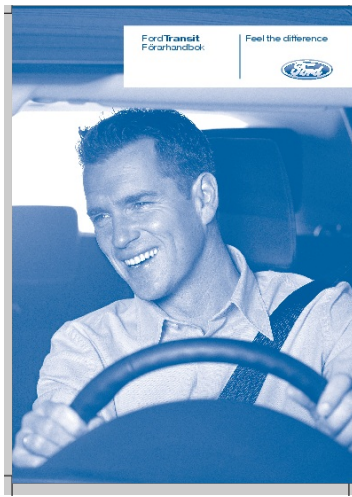
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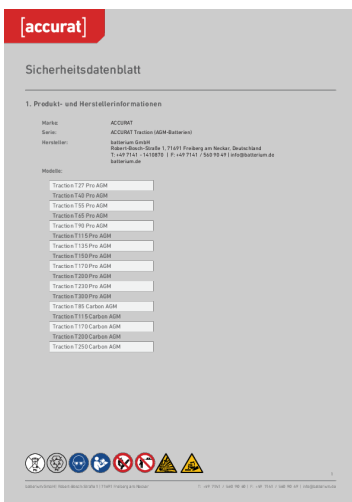




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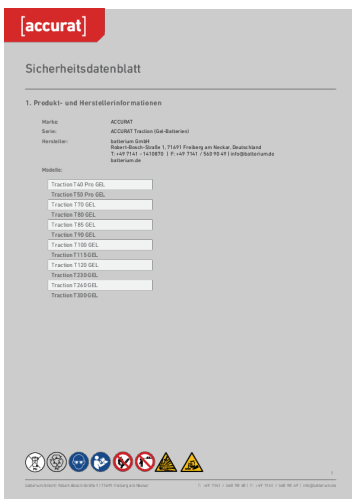
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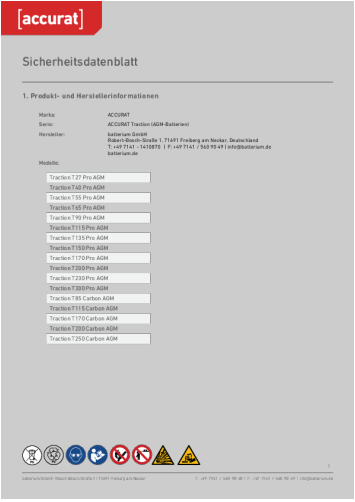
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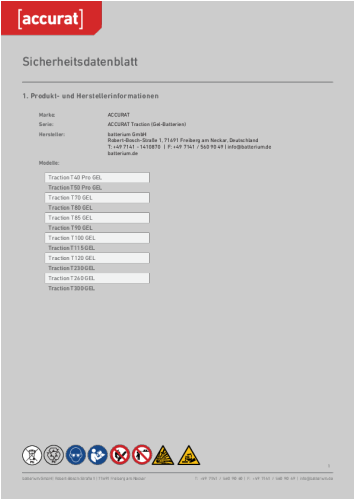


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