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### Tacx T2900S.60

# Tacx Flux S Smart Bike Trainer User Manual

Model: T2900S.60

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## 1. INTRODUCTION

The Tacx Flux S Smart Bike Trainer is a reliable, accurate, and silent direct drive trainer designed to provide a realistic indoor cycling experience. It is compatible with popular third-party training applications, allowing users to train effectively with simulated inclines and high sprint resistance.



Figure 1.1: Front view of the Tacx Flux S Smart Bike Trainer, showcasing the direct drive system and cassette.

## 2. WHAT'S IN THE BOX

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Upon unpacking, ensure all components are present:

- FLUX S Smart Bike Trainer unit

Additional accessories such as a power cable, quick release skewer, and adapters for different axle types are typically included or may be required depending on your bicycle setup. Refer to the packaging for a complete list of included items.

## 3. SETUP

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### 3.1 Unfolding the Trainer Legs

Carefully unfold the trainer's support legs to create a stable base. Ensure they are fully extended and locked into position before placing the trainer on a flat, stable surface.



Figure 3.1: Top-down view of the trainer with its legs unfolded, ready for use. The power cable is also visible.

### 3.2 Attaching Your Bicycle

1. Remove the rear wheel from your bicycle.
2. Align your bicycle's rear dropouts with the trainer's axle. Ensure the chain is correctly seated on the trainer's cassette.
3. Secure your bicycle to the trainer using the provided quick release skewer or thru-axle adapter. Ensure it is tightly fastened to prevent movement during use.



Figure 3.2: Side view of the trainer highlighting the cassette, where the bicycle's chain will be placed.

### 3.3 Power Connection

Connect the power cable to the trainer's power input port. Plug the other end into a standard electrical outlet. The trainer will power on automatically.



Figure 3.3: Side view of the trainer, indicating the location of the power input port.

### 3.4 Initial Calibration (if required)

Some training applications may require an initial calibration or spin-down test for optimal accuracy. Follow the on-screen instructions within your chosen application.

## 4. OPERATING THE TRAINER

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### 4.1 Connecting to Applications

The Tacx Flux S Smart Trainer uses ANT+ and Bluetooth Smart technology to connect wirelessly to smartphones, tablets, cycling computers, and other compatible devices. Open your preferred training application (e.g., Zwift, Tacx Training App) and follow its instructions to pair with the trainer.

### 4.2 Training Features

- **Power Measurement:** The trainer measures your power output with an accuracy of within 3%.
- **Simulated Inclines:** Experience realistically simulated inclines up to a 10% gradient.
- **Sprint Resistance:** The trainer provides a maximum sprint resistance of 1,500 Watts.
- **Silent Operation:** The direct drive design ensures next-to-silent operation, minimizing disturbance.



Figure 4.1: A cyclist engaged in an indoor training session using the Tacx Flux S Smart Bike Trainer, connected to a virtual cycling application displayed on a large screen.





Figure 4.2: Another view of a cyclist utilizing the Tacx Flux S Smart Bike Trainer for indoor cycling, demonstrating its integration into a home training environment.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and optimal performance of your Tacx Flux S Smart Bike Trainer.

- **Cleaning:** Wipe down the trainer regularly with a damp cloth to remove sweat and dust. Avoid using abrasive cleaners or solvents.
- **Cassette Inspection:** Periodically check the cassette for wear and tear. Replace if necessary to ensure smooth shifting and prevent damage to your bike's chain.
- **Connection Points:** Ensure all bolts and quick-release mechanisms are securely tightened before each use.
- **Storage:** When not in use, store the trainer in a dry, clean environment. The legs can be folded for more compact storage.



Figure 5.1: Rear view of the trainer, showing the flywheel and internal components, which should be kept clean and free of debris.

## 6. TROUBLESHOOTING

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If you encounter issues with your Tacx Flux S Smart Bike Trainer, refer to the following common solutions:

### 6.1 No Power/No Lights

- Ensure the power cable is securely connected to both the trainer and a working electrical outlet.
- Check the power outlet with another device to confirm it is functional.

### 6.2 Connectivity Issues (ANT+/Bluetooth)

- Ensure the trainer is powered on.
- Move your device closer to the trainer to improve signal strength.
- Close and restart the training application.
- Turn off and on your device's Bluetooth/ANT+ radio.
- Ensure no other devices are interfering with the signal.

### 6.3 Inaccurate Power Readings

- Perform a spin-down calibration within your training application.
- Ensure your bicycle is securely mounted and the quick release/thru-axle is tightened correctly.
- Check for any physical obstructions or damage to the trainer.

### 6.4 Unusual Noises

- Verify that your bicycle's chain and cassette are clean and properly lubricated.



- Check for any loose components on the trainer or bicycle.
- Ensure the trainer is on a flat, stable surface.

## 7. SPECIFICATIONS

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Feature	Detail
Brand	Tacx
Model Name	Flux S
Item Model Number	T2900S.60
Color	Black/Gray
Material	Metal
Resistance Mechanism	Electromagnetic
Power Accuracy	Within 3%
Max Sprint Resistance	1,500 Watts
Max Simulated Incline	10%
Connectivity	ANT+, Bluetooth Smart
Product Dimensions	26.69 x 9.92 x 19.02 inches
Item Weight	51 pounds
Manufacturer	Garmin
First Available	November 26, 2018

## 8. WARRANTY & SUPPORT

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### 8.1 Warranty Information

Tacx products typically come with a manufacturer's warranty covering defects in materials and workmanship. The specific duration and terms of the warranty may vary by region and product. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Tacx customer support. You can usually find contact information, FAQs, and additional resources on the official Tacx or Garmin website (as Garmin is the manufacturer).

Visit the official Tacx/Garmin support website for the most up-to-date contact details and support options.

