

Tacx Flux 2 (T2980)

Tacx Flux 2 Smart Trainer Instruction Manual

Model: Flux 2 (T2980)

1. INTRODUCTION

The Tacx Flux 2 Smart Trainer is a direct-drive interactive smart trainer designed for indoor cycling. It offers accurate power measurement, a realistic ride feel, and broad compatibility with various training applications. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Tacx Flux 2 Smart Trainer.

2. PACKAGE CONTENTS

Before beginning assembly, ensure all components are present:

- Tacx Flux 2 Smart Trainer unit
- Quick release skewer and adapters for 130mm and 135mm quick release
- Thru-axle adapters for 142x12mm and 148x12mm
- Power cable
- User manual (this document)
- Optional: Cassette (not included, sold separately)

3. SETUP

3.1. Unpacking and Assembly

Carefully remove the trainer from its packaging. The legs of the trainer may need to be unfolded or attached. Ensure they are securely locked into place to provide a stable base.



Figure 1: Front view of the Tacx Flux 2 Smart Trainer.

3.2. Cassette Installation

The Tacx Flux 2 Smart Trainer does not include a cassette. You will need to purchase and install a cassette that matches your bicycle's drivetrain. This typically requires a cassette locking tool and a chain whip. For Shimano 10-speed cassettes, both a 1.85mm and a 1mm spacer are often required behind the cassette for proper shifting alignment. Consult your local bike shop if you are unsure about the correct cassette or installation process.



Figure 2: Side view of the trainer, showing the cassette mounting area.

3.3. Bike Mounting

Remove the rear wheel from your bicycle. Select the appropriate quick release or thru-axle adapters for your bike and install them on the trainer. Carefully place your bicycle onto the trainer, ensuring the chain is on the smallest cog of the cassette. Secure your bike using the quick release skewer or thru-axle, tightening it firmly but without excessive force.

3.4. Power Connection

Connect the power cable to the trainer and then to a suitable power outlet. The trainer will power on automatically.

3.5. Connecting to Applications

The Tacx Flux 2 Smart Trainer supports ANT+ FE-C and Bluetooth Smart protocols. To connect to your preferred training application (e.g., Zwift, Tacx Training App, TrainerRoad):

1. Open your chosen training application on your device (smartphone, tablet, computer).
2. Navigate to the device pairing or sensor settings.
3. Search for available trainers or power meters. The Tacx Flux 2 should appear as 'Tacx Flux 2' or similar.
4. Select the trainer to pair. For optimal performance, ensure no other devices are interfering with the signal.

3.6. Calibration

For accurate power readings, it is recommended to perform a calibration (often called a 'spin down' or 'zero offset') within your training application after the trainer has warmed up for about 10 minutes. Follow the on-screen instructions in your application to complete the calibration process.

4. OPERATING THE TRAINER

Once your bike is mounted and the trainer is connected to your application, you can begin your indoor cycling session. The trainer will automatically adjust resistance based on the virtual terrain or workout profile selected in your application.



Figure 3: A user engaged in an indoor cycling session with the Tacx Flux 2 Smart Trainer.



Figure 4: Another perspective of a user training indoors with the Tacx Flux 2 Smart Trainer.

4.1. Safety Guidelines

- Always ensure your bike is securely mounted before starting a session.
- Place the trainer on a stable, level surface. A trainer mat is recommended to protect your floor and reduce noise.
- Keep children and pets away from the trainer during operation.
- Do not touch moving parts, especially the flywheel, during operation.
- Ensure adequate ventilation in your training area to prevent overheating.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Tacx Flux 2 Smart Trainer.

- **Cleaning:** Wipe down the trainer with a damp cloth after each use to remove sweat and dust. Avoid using harsh chemicals.
- **Firmware Updates:** Periodically check for firmware updates via the Tacx Training App or Tacx Utility App. Keeping the firmware updated ensures you have the latest features and bug fixes.
- **Bearing Check:** While the Flux 2 is designed for durability, listen for any unusual noises from the bearings. If you suspect an issue, contact Tacx support.
- **Cassette and Drivetrain:** Keep your bike's cassette and chain clean and lubricated. A worn cassette can affect shifting performance and trainer accuracy.

6. TROUBLESHOOTING

If you encounter issues with your Tacx Flux 2 Smart Trainer, refer to the following common problems and solutions:

6.1. Trainer Not Connecting via Bluetooth/ANT+

- Ensure the trainer is powered on.
- Check that Bluetooth/ANT+ is enabled on your device.
- Close and reopen the training application.
- Ensure no other devices are actively paired with the trainer.
- Try restarting both the trainer (by unplugging and replugging) and your device.
- Move your device closer to the trainer to improve signal strength.

6.2. Resistance Issues (Too Hard/Too Easy/Inconsistent)

- Perform a spin-down calibration. This is crucial for accurate resistance control.
- Verify that the correct trainer profile is selected in your training application.
- Check for firmware updates.
- Ensure your bike's drivetrain is clean and properly adjusted. Incorrect gear alignment can affect resistance feel.

6.3. Unusual Noises

- **Clicking/Grinding:** This often indicates an issue with your bike's drivetrain (chain, cassette, derailleur alignment) rather than the trainer itself. Check your bike's components.
- **Whirring:** Some noise from the flywheel is normal, especially at higher speeds. Excessive or new noises may indicate an internal issue.

- Ensure the trainer is on a level surface and the legs are fully extended and locked.

6.4. Power Readings Seem Inaccurate

- Perform a spin-down calibration after the trainer has warmed up for at least 10 minutes.
- Ensure your bike's cassette is correctly installed and not worn.
- Check for any conflicting power meters on your bike that might be sending data to your application.

7. SPECIFICATIONS

Feature	Specification
Brand	Tacx
Model Name	FLUX 2
Part Number	T2980
Color	Black
Material	Metal
Resistance Mechanism	Electronic
Wheel Size Compatibility	Up to 29 Inches
Item Weight	23.8 Kilograms
Item Dimensions (LxWxH)	25.28 x 26.38 x 18.11 inches
Package Weight	26.08 Kilograms
Number of Settings	3 (Resistance modes)

8. WARRANTY AND SUPPORT

Specific warranty details for the Tacx Flux 2 Smart Trainer are not provided in this document. For comprehensive warranty information, including terms, conditions, and registration, please refer to the official Tacx website or the documentation included with your purchase. For technical support, product inquiries, or service requests, please contact Tacx customer support directly through their official channels.

9. OFFICIAL PRODUCT VIDEOS

No official seller-created product videos were available in the provided data for embedding. For instructional videos and product demonstrations, please visit the official Tacx website or their authorized YouTube channel.

