

FAVERO PRO MX-2

Favero Assioma PRO MX-2 Dual Sided Power Meter Pedals User Manual

1. INTRODUCTION

The Favero Assioma PRO MX-2 Dual Sided Power Meter Pedals are designed to provide cyclists with precise and independent left/right power measurement. These pedals utilize advanced sensor technology to deliver highly accurate and consistent power data, enabling riders to optimize their training and performance. The durable yet lightweight construction ensures reliability without compromising efficiency. With Bluetooth and ANT+ connectivity, the Assioma PRO MX-2 seamlessly integrates with various cycling computers and training applications.

Key features include:

- Independent left and right leg power data for detailed analysis.
- Highly accurate and consistent power readings.
- Durable and lightweight design for long-lasting performance.
- Seamless connectivity with cycling computers and training apps via Bluetooth and ANT+.
- Measurement of balance, cadence, and overall pedal stroke dynamics.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Favero Assioma PRO MX-2 Dual Sided Power Meter Pedals
- Charging cables (specific type not detailed in product info, assume included)
- User manual (this document)



Figure 2.1: Front view of the Favero Assioma PRO MX-2 Dual Sided Power Meter Pedals.

3. SETUP

3.1. Installation

Install the Assioma PRO MX-2 pedals onto your bicycle cranks. It is recommended to apply anti-seize grease to the pedal threads before installation. Thread the pedals onto the cranks by hand to ensure correct alignment. Use a 15 mm crowfoot socket and torque the pedals to approximately 35 N·m. Ensure the pedals are securely fastened to prevent loosening during use.

Note on Spindle Protrusion: For optimal signal transmission and visibility of status lights, the manufacturer recommends leaving approximately 1 mm of spindle protrusion on the opposite side of the crank. If your crank design does not allow for this (e.g., some MTB cranks), the pedals may still function correctly, but monitor connectivity during initial rides.

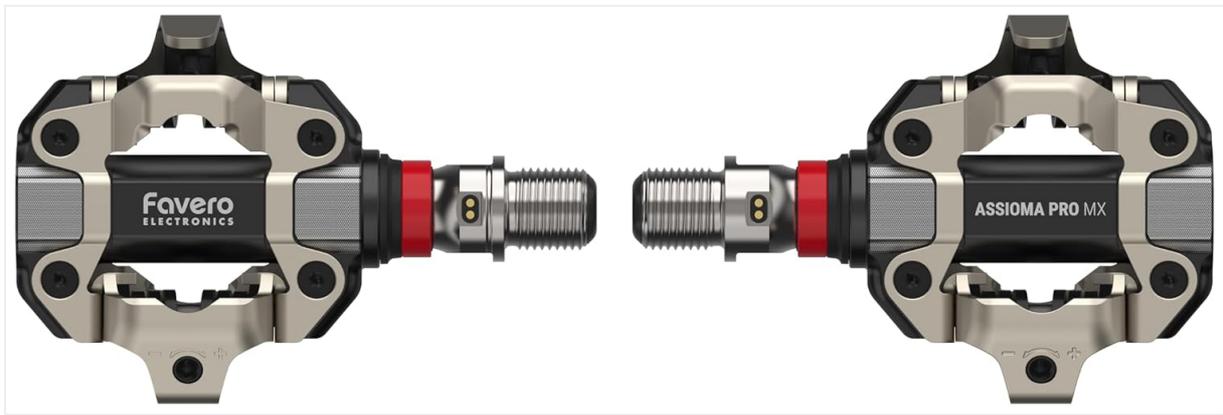


Figure 3.1: Side view of the Favero Assioma PRO MX-2 Pedals, showing the spindle.

3.2. Initial Activation and Calibration

Before first use, the Assioma PRO MX-2 pedals must be activated and calibrated using the official Favero Assioma app. This app is available for download on your smartphone's app store.

1. Download and install the Favero Assioma app.
2. Open the app and follow the on-screen instructions to connect to your pedals.
3. Perform the initial calibration through the app. This step is crucial for accurate power readings.
4. Verify that the crank length is correctly set within the Favero app.

Important: Calibration must be performed via the Favero app before using the pedals with your cycling computer.

3.3. Pairing with Cycling Computer/App

The Assioma PRO MX-2 pedals support both Bluetooth and ANT+ connectivity. Refer to your cycling computer or training app's manual for specific pairing instructions.

1. Ensure your cycling computer or app is in pairing mode.
2. Wake up the pedals by rotating them a few times.
3. Select the Assioma PRO MX-2 from the list of available sensors.
4. Confirm that the crank length is also correctly set in your cycling computer's settings.

4. OPERATING INSTRUCTIONS

4.1. Usage

Once installed, activated, and paired, the Assioma PRO MX-2 pedals will automatically begin transmitting power data when you start pedaling. The pedals provide independent left and right power measurements, allowing for detailed analysis of your pedaling dynamics.

The data transmitted includes:

- **Total Power:** Combined power output from both legs.
- **Left/Right Balance:** The percentage of power generated by each leg.
- **Cadence:** Your pedaling revolutions per minute (RPM).
- **Pedal Stroke Dynamics:** Advanced metrics related to the efficiency and smoothness of your pedal stroke (availability depends on cycling computer compatibility).

4.2. Data Interpretation

Understanding your power data is key to optimizing training. Power is a direct measure of your effort and can be used to structure workouts, monitor fatigue, and track progress. Left/right balance can highlight muscular imbalances, while cadence helps in finding your most efficient pedaling style. Consult cycling coaching resources or a professional coach for in-depth data analysis and training plan development.

5. MAINTENANCE

5.1. Charging

The Assioma PRO MX-2 pedals are equipped with rechargeable batteries. When the battery level is low, a warning will typically appear on your paired cycling computer or in the Favero app. Connect the pedals to their charging cables and a suitable USB power source. Ensure the charging ports are clean and dry before connecting.

5.2. Cleaning

Regular cleaning helps maintain the performance and longevity of your pedals. Wipe the pedals with a damp cloth after rides, especially if ridden in wet or muddy conditions. Avoid using high-pressure washers directly on the pedals or harsh chemical cleaners, as these can damage the electronic components or seals.

5.3. Storage

When not in use for extended periods, store the pedals in a cool, dry place. It is advisable to fully charge the batteries before long-term storage to prevent deep discharge, which can reduce battery life.

6. TROUBLESHOOTING

If you encounter issues with your Assioma PRO MX-2 pedals, consider the following:

- **No Power Data:**
 - Ensure pedals are awake (rotate them).
 - Check battery level via the Favero app.
 - Verify successful pairing with your cycling computer/app.
 - Confirm crank length settings in both the Favero app and your cycling computer.
- **Inaccurate Readings:**
 - Perform a zero-offset calibration through the Favero app or your cycling computer before each ride.
 - Ensure pedals are installed correctly and torqued to specification.
 - Check for any physical damage to the pedals.
- **Connectivity Issues:**
 - Move closer to the cycling computer.
 - Check for interference from other electronic devices.
 - Restart your cycling computer and the Favero app.
 - Update pedal firmware via the Favero app.

For persistent issues, refer to the Favero support website or contact their customer service.

7. SPECIFICATIONS

Brand	FAVERO
Model Number	773-10-02
Item Type Name	Power Meter Pedals
Material	Alloy Steel Aluminum
Item Weight	0.96 Kilograms
Connectivity	Bluetooth, ANT+
Power Measurement	Dual-sided (independent left/right)
Bike Type Compatibility	Cyclocross Bike, Gravel Bike, Mountain Bike
UPC	705632189139

8. WARRANTY AND SUPPORT

The Favero Assioma PRO MX-2 Dual Sided Power Meter Pedals come with a Limited Warranty. For specific details regarding warranty coverage, duration, and terms, please refer to the warranty card included with your product or visit the official Favero website.

For technical support, troubleshooting assistance beyond this manual, or warranty claims, please contact Favero customer service directly. Contact information can typically be found on the official Favero website or in the product packaging.