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› FAVERO ASSIOMA PRO MX-2 Power Meter Pedals User Manual

FAVERO ASSIOMA PRO MX-2

FAVERO ASSIOMA PRO MX-2 Power Meter Pedals User Manual

High-precision power meter pedals for MTB and Gravel cycling.

1. PRODUCT OVERVIEW

The FAVERO ASSIOMA PRO MX-2 are advanced power meter pedals designed for mountain biking (MTB) and gravel cycling. These pedals offer precise power measurement, are 100% SPD compatible, and feature a robust, rechargeable design for reliable performance in challenging conditions.



Image: FAVERO ASSIOMA PRO MX-2 Power Meter Pedals. This image displays the pair of pedals, highlighting their compact design and integrated power sensors.

Key features include a long-lasting rechargeable battery, magnetic charging, easy installation, and compatibility with both ANT+ and Bluetooth devices. Each pedal integrates a power sensor, gyroscope, and cadence sensor to provide comprehensive and accurate data.

2. WHAT'S IN THE BOX

Upon unboxing your FAVERO ASSIOMA PRO MX-2 Power Meter Pedals, please ensure all the following components are present:

- Left and Right Pedal with integrated power sensor
- SPD® compatible MTB cleats kit
- 4 Washers
- Magnetic connector for charging
- Charging cable
- Greasing kit

3. SETUP

3.1. Installation

The Assioma PRO MX-2 pedals are designed for quick and easy installation, similar to standard bicycle pedals. No special tools or mechanic assistance are required. They can be easily transferred between different bikes.

1. Ensure your crank arms are clean and free of debris.
2. Apply a small amount of grease to the pedal threads.
3. Identify the left (L) and right (R) pedals.
4. Thread the right pedal clockwise into the right crank arm.
5. Thread the left pedal counter-clockwise into the left crank arm.
6. Tighten the pedals securely using an appropriate pedal wrench. Do not overtighten.
7. Install the provided SPD® compatible MTB cleats onto your cycling shoes, or use original Shimano SM-SH51 cleats if preferred.

3.2. Initial Charging

Before first use, fully charge your Assioma PRO MX-2 pedals. The integrated rechargeable batteries provide at least 60 hours of use on a single charge.

1. Connect the charging cable to the magnetic connector.
2. Attach the magnetic connector to the charging port on each pedal. The magnetic system prevents accidental disconnections.
3. Plug the charging cable into a suitable USB power source.
4. Allow the pedals to charge until the indicator light (if present) shows a full charge, or for the recommended duration in the full user manual.

4. OPERATING INSTRUCTIONS

4.1. Connectivity

The Assioma PRO MX-2 pedals support both Bluetooth and ANT+ connectivity, ensuring broad compatibility with various cycling devices and applications.

- **Cycle Computers & Smartwatches:** Pair your pedals with most cycle computers and smartwatches that support ANT+ or Bluetooth power meter profiles. Refer to your device's manual for specific pairing instructions.
- **Training Applications:** The pedals are compatible with major training apps such as Zwift, Strava, Bkool, TrainerRoad, Rouvy, and many others. Enable Bluetooth or ANT+ on your device and follow the app's instructions to connect the power meter.

4.2. Data Measurement

The Assioma PRO MX-2 utilizes the advanced IAV (Instantaneous Angular Velocity-based) Power System to deliver highly accurate power data.

- **Accuracy:** Provides a power measurement accuracy of $\pm 1\%$ in all situations, even with irregular pedaling (e.g., sprints, climbs) or when using oval chainrings.
- **Integrated Sensors:** Each pedal includes an integrated gyroscope and cadence sensor, contributing to comprehensive data analysis.
- **Data Output:** Offers a complete range of data readings via both ANT+ and Bluetooth protocols.

5. MAINTENANCE

5.1. General Care and Cleaning

The Assioma PRO MX-2 pedals are built for durability in harsh environments. The electronic components and rechargeable battery are fully enclosed within a compact and resistant spindle, certified IP67 for protection against water, mud, and dust.

- After rides, especially in wet or muddy conditions, clean the pedals with a damp cloth. Avoid high-pressure washing directly on the pedal body or spindle.
- Do not use harsh chemicals or abrasive cleaners, as these can damage the pedal's finish or seals.
- Regularly inspect the pedal body and spindle for any signs of damage or wear.

5.2. Greasing

A greasing kit is included with your pedals. Regular greasing of the pedal axles helps maintain smooth operation and prolongs the lifespan of the bearings. Refer to the detailed instructions provided in the full user manual for the recommended greasing intervals and procedure.

6. TROUBLESHOOTING

The Assioma PRO MX-2 pedals are designed for high reliability. The integrated rechargeable battery and absence of external electrical contacts minimize the risk of battery-related dropouts, which are common with replaceable batteries.

- **No Power Reading:**
 - Ensure pedals are fully charged.
 - Verify that the pedals are correctly paired with your cycling computer or app via ANT+ or Bluetooth.
 - Check for any firmware updates for your pedals or cycling computer.
- **Inaccurate Readings:**
 - Perform a zero-offset calibration (also known as manual calibration) through your cycling computer or the Favero Assioma app before each ride or after significant temperature changes.
 - Ensure pedals are clean and free from obstructions.
- For further troubleshooting or issues not covered here, please refer to the comprehensive online user manual or contact Favero customer support.

7. SPECIFICATIONS

Product Type	Power Meter Pedals
Model	ASSIOMA PRO MX-2
Power Sensor	Left and Right Pedal integrated
Cadence Sensor	Integrated
Gyroscope	Integrated

Power Calculation System	IAV (Instantaneous Angular Velocity-based)
Accuracy	±1%
Battery Life	At least 60 hours
Connectivity	ANT+, Bluetooth
Water Resistance	IP67 Certified
Pedal Body Material	6061-T6 Aluminum
Surface Hardness	Up to 800 HV (clipping system)
Pedal Weight (each)	191.4 g (with power meter) / 193 Grams (general item weight)
Color	Grey
Style	Clip-less (SPD compatible)
Compatible Bike Types	Gravel, Mountain Bike
Made In	Italy

8. WARRANTY AND SUPPORT

Warranty: The FAVERO ASSIOMA PRO MX-2 Power Meter Pedals come with a**2-year product warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its specified performance standards under normal use.

Support: For technical assistance, warranty claims, or any questions regarding the operation and maintenance of your pedals, please contact Favero Electronics customer support. Detailed contact information can typically be found on the official Favero Electronics website or through your authorized dealer.

It is recommended to register your product upon purchase to facilitate warranty services and receive important updates.

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