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Magene P715K

Magene P715 Power Meter Pedals

User Instruction Manual

PRODUCT OVERVIEW

The Magene P715 Power Meter Pedals are advanced cycling accessories designed to provide precise power measurement and comprehensive training data. Featuring dual-sided power measurement, long battery life, and seamless compatibility, these pedals are suitable for various cycling disciplines.



Figure 1: Magene P715 Power Meter Pedals (Look Keo, Dual version).

Key Features:

- **±1% Consistent Power Accuracy:** Records every effort precisely with dual-sided power meter spindles, embedded gyroscope, and temperature compensation.
- **120 Hours Long Battery Life:** Rechargeable lithium battery and magnetic charging provide extended performance.
- **Quick Installation:** Installs in approximately 1 minute, similar to standard road bike pedals.
- **7 Advanced Training Functions:** Provides data on power, cadence, left and right balance, pedaling smoothness, torque effectiveness, riding position, and power phase.

- **Lightweight Design:** Each pedal weighs 157g, made with composite carbon fiber and stainless steel spindles.
- **Bluetooth & ANT+ Connectivity:** Supports dual protocol for versatile device pairing.
- **IPX7 Waterproof:** Designed for reliable performance in wet conditions.
- **Seamless Bike Compatibility:** Easily switch between road, time trial, or triathlon bikes.

PACKAGE CONTENTS

Upon opening the package, verify that all components are present:

- Power Meter Pedal x 2 (Left and Right)
- Crank Washer x 2
- Magnetic Charging Cable x 1
- Quick Start Guide x 1

Your browser does not support the video tag.

Video 1: An overview of the Magene P715 Power Meter Pedals, showcasing their design and key features.

SETUP AND INSTALLATION

1. Initial Charging

Before first use, fully charge the pedals using the provided magnetic charging cable. Connect the magnetic end to the charging port on each pedal and the USB end to a standard USB power adapter (not included).



120 Hours

Long Battery Life

With a rechargeable lithium battery and magnetic charging, the P715 offers up to 120 hours of cycling, providing eco-friendly performance.

*The battery life is tested in Magene lab and may be affected by environment and temperature.



Figure 2: Magnetic charging of the Magene P715 pedal. A full charge provides up to 120 hours of use.

2. Pedal Installation

Installing the P715 power meter pedals is similar to installing any standard road bike pedal. Ensure your crank arms are clean and the threads are free of debris.

1. Identify the left (L) and right (R) pedals. The left pedal has a left-hand thread and the right pedal has a right-hand thread.
2. Apply a small amount of grease to the pedal threads.
3. Insert the crank washer onto the pedal spindle if needed for clearance.
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 both pedals securely with a pedal wrench. The suggested installation torque is 30–40 N·m.

Analyze how even your watts output is throughout pedaling cycles. Then you can adjust your watts distribution for different situations.



Figure 3: The P715 pedals are designed for quick and easy installation, typically within one minute.

3. Connectivity (Bluetooth & ANT+)

The P715 pedals support both Bluetooth and ANT+ dual protocols, allowing connection to a wide range of cycling computers, smartwatches, and applications.

1. Ensure the pedals are awake (rotate them a few times).
2. On your cycling computer or device, navigate to the sensor pairing menu.
3. Select "Add Power Meter" or "Add Sensor".
4. The device should detect the Magene P715. Select it to pair.
5. For optimal data, ensure both left and right pedals are connected if your device supports dual-sided power.

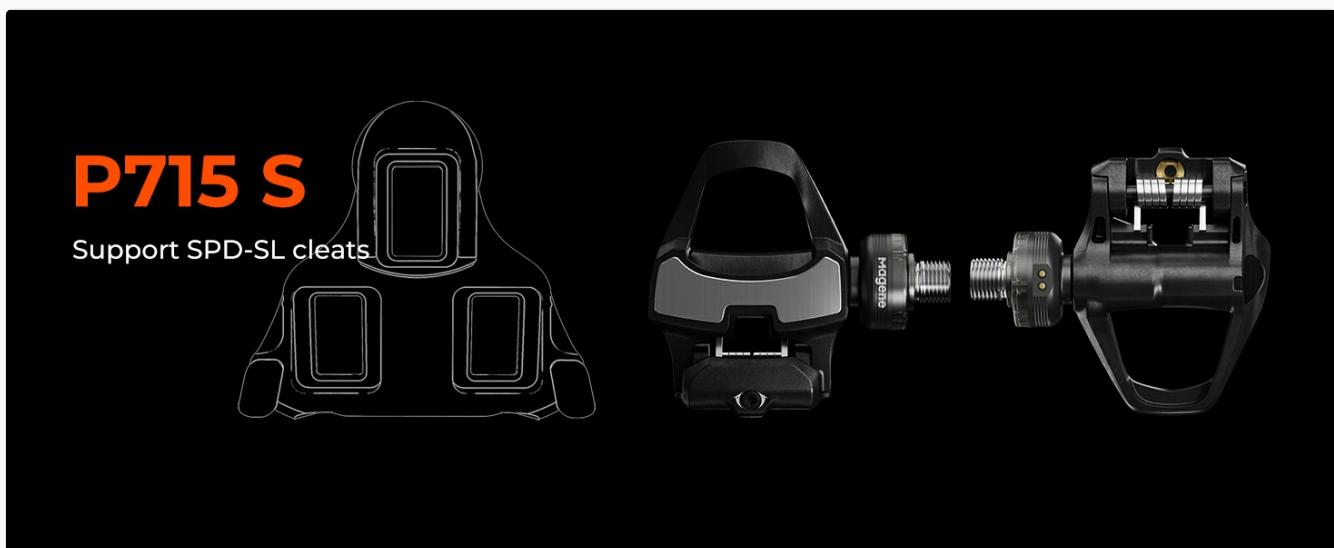


Figure 4: The P715 offers versatile connectivity with Bluetooth and ANT+ for various cycling devices.

OPERATING THE PEDALS

Power Measurement and Accuracy

The P715 pedals provide highly accurate power data with a $\pm 1\%$ precision. This is achieved through embedded power meter spindles, a gyroscope for real-time angular velocity, and temperature compensation.



± 1%

Consistent Power Accuracy

With dual-sided power meter spindles, embedded gyroscope, and temperature compensation, the P715 ensures $\pm 1\%$ consistent power accuracy.



Figure 5: The P715 ensures precise power measurement for effective training.

Figure 6: Gyroscope technology enhances power accuracy, especially during unstable cycling.



Embedded power meter spindles measure power close to the output source, minimizing loss and errors. P715 power meter pedals simultaneously measure dual-side power, delivering accurate wattage data for both legs.

Figure 7: Temperature compensation ensures reliable power readings in diverse environments.

Advanced Training Functions

The P715 provides 7 advanced cycling data metrics to help you analyze and improve your performance:

- **Power:** Total power output.
- **Cadence:** Pedaling revolutions per minute.
- **Left and Right Balance:** Distribution of power between your left and right legs.
- **Pedaling Smoothness:** Consistency of your pedaling stroke.
- **Torque Effectiveness:** How effectively you are applying torque to the pedals.
- **Riding Position:** Analysis of power output at different riding postures.
- **Power Phase:** The portion of the pedal stroke where power is generated.

Note: Power phase and riding position functions may require a compatible cycling computer (e.g., Garmin) to display. Magene will update bike computer support for these functions.



7 Advanced Training Functions

P715 provides 7 advanced cycling data: Power, cadence, left and right balance, pedaling smoothness, torque effectiveness, riding position and power phase.

*The power phase and riding position functions are only available to bike computers supporting above functions, such as GARMIN®. Magene will update bike computer soon to support for these functions.

Power phase

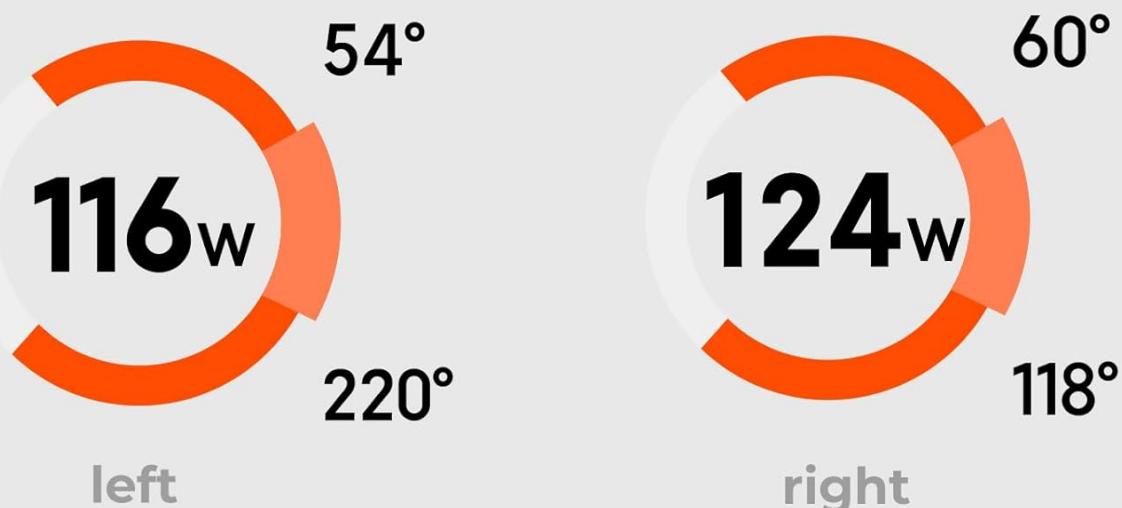


Figure 8: Understanding your power generation zone and force angle helps optimize watts distribution.

P715 power meter pedals offer up to 120 hours of cycling with convenient magnetic charging. Using a rechargeable lithium battery instead of clip charging or button cells, they provide an eco-friendly, effortless experience. Fully charged in 3 hours, they're ready for long rides and training sessions.

*The battery life is tested in Magene lab and may be affected by environment and temperature.

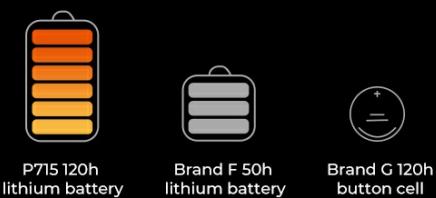
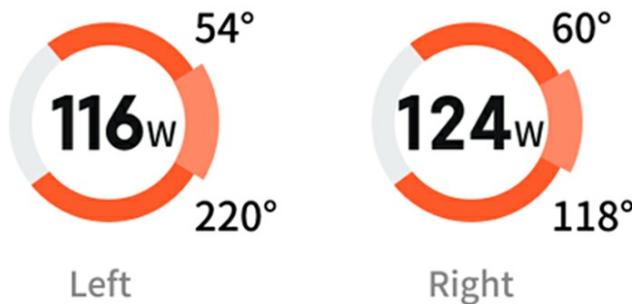


Figure 9: Analyze power output in various riding positions to improve pedaling efficiency.



Learn your power generation zone, force angle, peak region of work, so as to optimize your watts zone and distribute power reasonably.

Figure 10: Monitor left and right leg power balance to identify and address imbalances.

Learn power output at different postures. Therefore you can adopt different postures and improve pedaling efficiency during different situations.



Figure 11: Analyze watts distribution during pedaling to optimize power delivery.



Know the difference between your left leg and right leg output, so as to enhance training of the weaker leg.

Figure 12: Improve pedaling effectiveness by understanding your pedaling pattern.

MAINTENANCE

Charging

Recharge the pedals when the battery indicator on your cycling computer or the pedal itself shows low battery. Use only the provided magnetic charging cable. A full charge takes approximately 3 hours.

Cleaning

The P715 pedals are IPX7 waterproof, meaning they can withstand splashes and brief immersion. After riding in wet or dirty conditions, wipe the pedals clean with a damp cloth. Avoid using high-pressure water jets directly on the charging port or spindle area.



Figure 13: The IPX7 waterproof rating ensures durability in various weather conditions.

Storage

When storing the pedals for extended periods, ensure they are fully charged to maintain battery health. Store them in a cool, dry place away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power reading	Pedals not awake; Low battery; Not paired correctly.	Rotate pedals to wake them up. Charge the pedals. Re-pair with your cycling computer.
Inaccurate power readings	Pedals not calibrated; Environmental factors (extreme temperature changes).	Perform a zero-offset calibration via your cycling computer. Ensure pedals are at ambient temperature before calibration.
Connectivity issues	Bluetooth/ANT+ interference; Device too far; Pedals not awake.	Move closer to the device. Ensure no other devices are interfering. Rotate pedals. Try re-pairing.
Short battery life	Incomplete charging; Extreme temperatures.	Ensure full charge cycle. Avoid using/storing in extreme hot/cold.

SPECIFICATIONS

Feature	Detail
Model Name	P715K (Look Keo, Dual)
Brand	Magene
Power Accuracy	±1%
Battery Life	Up to 120 hours
Connectivity	ANT+, Bluetooth
Waterproof Rating	IPX7
Weight (Each Pedal)	157 Grams
Material	Aluminum, Composite Carbon Fiber, Stainless Steel
Bike Type Compatibility	Road Bike, Time Trial Bike, Triathlon Bike
Cleat Compatibility	Look Keo (P715K version)

WARRANTY AND SUPPORT

Warranty Information

The Magene P715 Power Meter Pedals come with a **2-Year Manufacturer Warranty**. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

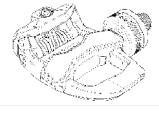
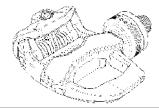
Customer Support

For further assistance, technical support, or warranty inquiries, please visit the official Magene website or contact their customer service department. You can also find more information and resources on the [Magene Store on Amazon](#).

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This manual is for informational purposes only. Specifications are subject to change without notice.

Related Documents - P715K

  <p>Quick Start Guide Guide de démarrage rapide ガイドスタートガイド 한국어 빠른 가이드 Guia de inicio rápido Guia de Início Rápido Краткое введение в установку</p>	<p>Magene P715 Power Meter Pedals: Quick Start Guide & Installation</p> <p>Get started with your Magene P715 power meter pedals. This quick start guide covers installation, activation, calibration, charging, maintenance, and technical specifications for optimal cycling performance.</p>
  <p>P715 Quick Start Guide</p>	<p>Magene P715 Power Meter Pedals Quick Start Guide</p> <p>A quick start guide for the Magene P715 Power Meter Pedals, covering installation, usage, technical parameters, charging, and warranty information.</p>
  <p>Quick Start Guide Guide de démarrage rapide ガイドスタートガイド 한국어 빠른 가이드 Guia de inicio rápido Guia de Início Rápido Краткое введение в установку</p>	<p>Magene Spider Power Meter PM500 Quick Start Guide</p> <p>This guide provides quick start instructions for the Magene Spider Power Meter PM500, including installation, usage, and product specifications. It covers essential steps for setup and operation, ensuring users can efficiently utilize the device.</p>
 <p>Magene Dual-sided Crank Power Meter Quick Start Guide</p>	<p>Magene Dual-Sided Crank Power Meter Quick Start Guide</p> <p>A quick start guide for the Magene Dual-Sided Crank Power Meter, covering unpacking, activation, connection, calibration, charging, specifications, troubleshooting, firmware upgrades, warnings, and warranty information.</p>
 <p>Magene</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>

Magene P715
使用開始の前に読みください
クイックスタートガイド
お読みください
マグネットペーパーとドリルの簡単な取り扱い方
マグネットペーパーの手順について
ドリルの手順について
スマートフォンアプリ Magene Utility によるアクリチペーパーの必要です。そのため、メールアドレスが登録されていますので、お手軽に手順いただけます。
Magene P715 お読みください
Magene Utility をタグコードとスマートフォンアプリで Magene Utility をダウンロードします。

Magene Utility
Magene Utility を最初に起動します。
Magene Utility アプリと OneUp アプリのアカウントは連携になります。
すでに OneUp アプリで登録の場合はそのアカウントを運用していただけます。
スマートフォンアプリで登録する場合は、アカウント登録を行ってください。
メールアドレスとパスワードを入力してログインして下さい。
アカウントがない場合は「Sign Up」を押下し、お名前とメールアドレスに確認コード
を入力後、「Send Code」を選択するとメールアドレスに確認コードが送信されます。
確認コードを入力後、「Sign Up」を押下し、初期登録が完了します。
アカウント登録後は「Sign In」を押下してログインして下さい。
アカウントを登録します。

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