

Magene

**Dual-protocol
Spider Power Meter
Quick Start Guide**

NOTE

Please confirm that the original crank and chain ring fit the required specifications before installation.

Do not force installation.

► 01/ Quick Start Guide

Thank you for purchasing Magene Dual-protocol Spider Power Meter (Hereinafter referred to as Magene Power Meter)

For information regarding spider installation and adjustment not covered in this guide, please refer to your bicycle dealer's instruction manual.

If you have any questions about the power meter, please contact us.

• E-mail: support@magene.cn

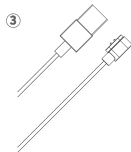
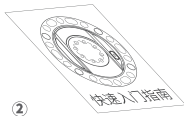
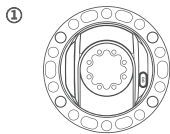
• Phone: (+86) 400-662-8297

• Website: www.magenefitness.com



► 02/ Unpacking the Box

Take Magene Power Meter and its parts out of the box and keep the original packaging for future storing and transporting.



The box should contain:

1、 Spider power meter 2、 Quick start Guide 3、 Charging line

► 03/Connect and Activate the Power Meter

NOTE:

Magene Power Meter is not activated and cannot be used normally; the new product must be activated for the first time.

Android users need to enter the Google Store (iPhone users from the App Store) to search for the "Magene Utility" app and download it. Follow the prompts to activate your power meter.

NOTE:

If activation fails, please click back to enter the device search list, and recontact to activate.

► 04/ Connect the Power Meter Device

Magene Power Meter can be connected to power device after activation.

Magene Power Meter is a Bluetooth and ANT+ dual-protocol power meter that is compatible with ANT+ and Bluetooth devices that support the standardized power meter protocol. Using this protocol the power meter's measured data can be viewed and recorded.

Typically, most bike computers can search for and add power meter equipment in the settings through the setting > sensors > new > sensors > power meter.

NOTE:

When searching for the Magene Power Meter, step on the pedal connected to the power meter crank so that the power meter can detect the torque, therefore waking up the power meter from Sleep mode, start the Bluetooth or ANT+ signal broadcast and wait for a device to connect.

NOTE:

If there are multiple power meters in the current environment, you need to identify your power meter by ANT+ ID.

► **05/ Calibrating The Power Meter**

Zero offset calibration will calibrate the power meter to 0 power when at rest. When calibrating, please turn the spider in a static state without external force and use ANT+ Device or Magene Utility for calibration.

► **06/ Peripheral Pairing and Functions**

Magene Power Meter wirelessly transmits ride information to a bike computer or receiver that support ANT+ or Bluetooth.

Magene Power Meter logs the following information as you ride.

- 1、 Power
- 2、 Cadence
- 3、 Remaining Battery Capacity
- 4、 Pedal Balance
- 5、 Pedal Smoothness

This product transmits the following information wirelessly to cycle computers or receivers that support ANT+ or Bluetooth BLE connections

► **07/Charging**

When you find that the power meter is unable to search for a connection, the power meter may have run out of power. Please charge it as soon as possible. Charging procedure:

1. Insert one end of the USB interface of the charging cable into the computer or charger, and a section of the magnetic suction head is slightly close to the power meter body to make it absorb naturally.

2. Confirm that the red light of the power meter is always on, and the power meter is in normal charging state. When the battery is fully charged, the light will turn green.

NOTE:

Do not short circuit the magnetic suction end, and do not adsorb on the metal when it is electrified.

Only the USB adapter with an output voltage of 5V can be used for charging.

	P505-S1108	P505-S1078
power accuracy	1.5%	
weight	128g	110g
power supply	rechargeable battery	
working life	200h	
wireless interface	ANT+ Bluetooth BLE	
power range	0-2500w	
cadence range	20-240rpm	
external cadence sensor magnets	none	
operating temperature	-10-50 C	
requires zero-point calibration	yes	

► 09/Q&A

Please refer to the following if you have any questions in the process of using Magene Power Meter.

Q:Undisplayed power

A:1. Check to see if activation has been performed

2.Check whether the bike computer or software has been connected

3.If the connection cannot be made,please charge your power meter

Q:The power has obvious deviation

A:Do zero offset calibration by your bike computer or Magene Utility

Q:Zero point calibration failure

A:Please place the bicycle on the flat ground and turn around the power meter.Try again.

If none of the above is applicable or the problem is not solved,please consult online customer service or dealers.

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► 10/Upgrading the Power Meter`s Firmware

Use your smartphone to scan the QR code to download and install Magene Utility.

Use Magene Utility to connect the power meter to obtain the latest firmware.

► 11/Warnings and Daily Check

1.Warnings:

- Do not spray the power meter module with high pressure water when cleaning the bicycle.
- Please lock the crank screw and chain ring screw with the torque required by the manual provided by the original chain ring set manufacturer, otherwise it may cause the risk of crank or chain ring falling off and affect the power accuracy.
- Do not put the battery into fire or heat, otherwise it may cause a fire or explode.
- The power meter module is a splash-proof design. Do not soak the power meter module in water.
- Do not subject the power meter module to suffered a severe impact, as this may cause the power meter module to detach or malfunction.
- Use neutral detergent when washing. Use of alkaline or acidic detergents or thinners may shorten the life of the sensor case.
- The power meter module uses the 2.4G wireless communication band. The 2.4G signal environment surrounding the object or the surrounding area may cause interference to communications.
- If the signal connection is found to be unstable, try again in an open area. Strong electromagnetic waves generated by surrounding.
- Do not try to remove the waterproof glue around the power meter module! This will compromise the waterproof performance of the power meter module.

- Performance deterioration caused by natural wear and aging and normal use is not covered by the warranty.

2.Daily Check Items Before Riding

Please check the items listed below riding.In case of any abnormality,it is recommended to seek professional technicians for maintenance and debugging.

- Are the fastening sections fixed securely?
- Are the any abnormal noises?
- Is there sufficient charge remaining in the battery?

► 12/ WARRANTY CARD

Warranty Clause product:

Thank you for purchasing Magene Dual-Protocol Spider Power Meter.
Please carefully read the Warranty Clause.

Warranty Clause:

This product has passed the strict quality inspection. Failure caused by product quality problem under normal use, we will give free warranty within the warranty period.

The warranty period for Magene power meter is 720 days from the activation date.





The warranty does not cover any problem that is caused by: conditions, malfunctions or damage not resulting from defects in material or workmanship. The fees of shipping back to us for repair shall not be reimbursed and no fees shall be charged for our shipping back to you.

The following situations are not covered by warranty:

- Beyond the warranty period.
- No valid warranty certificate.
- Damage caused by improper use and maintenance.
- The product code on the warranty card does not match the product
- Unauthorized maintenance, modification, use of parts other than the product
- Damage caused by irresistible factors.
- Damage caused by not using or installing the product in accordance with the instructions.

- Alter warranty card without authorization.
 - Other failures and damages caused by non-product design, manufacturing, quality, etc
 - Wear and dirt caused by normal operation, such as scratch, bump, etc
- After the warranty expires, we continue to provide maintenance service for which will be charged related service fee.

The company retains the rights to modify and explain above-mentioned contents.

		Spider Power Meter	
Model		P505	
		601230 3.7V	
		180ma*h	
		5g	
Manufacturer		Qingdao Magene Intelligence CO.,Ltd.	
Address		No.2 AWS, Road, Licang District,	
		Qingdao Shandong China	
<div><div>EC</div><div>REP</div></div>		WSJ Product LTD(for authorities only)	
		Eschborner Landstraße 42-50	
		60489 Frankfurt am Main,Hessen, Germany	
			
			

FCC statements:

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE:

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or changes to this equipment. Such modifications or changes could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement, The device can be used in portable exposure condition without restriction. Federal Communication Commission (FCC) Radiation Exposure Statement Power is so low that no RF exposure calculation is needed.

CE statements:

Declaration of Conformity Hereby, Qingdao Magene Intelligence Technology Co.,Ltd declares that the radio equipment type P505 is in compliance with directive 2014/53/EU. 

RF exposure information: The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction. Radiation Exposure Statement Power is so low that no RF exposure calculation is needed.

Bluetooth(2402-2480 MHz) Max EIRP is -1.3dBm.

ANT+(2457MHz) Max EIRP is -2.01dBm.

Warranty

Product Data

Customer Name:

Address:

Purchase Date:

Dealer (Signature):

Warranty Information

Maintenance Date	Failure and Solution