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Sram 00.3018.207.170

SRAM RED D1 Quarq Road Powermeter DUB Instruction Manual

Model: 00.3018.207.170

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your SRAM RED D1 Quarq Road Powermeter DUB. Please read this manual thoroughly before using the product to ensure proper function and safety.

The SRAM RED D1 Quarq Road Powermeter DUB is designed for cyclists seeking precise power measurement. It features revolutionary innovation and delivers performance that is simply second to none, helping you achieve the ultimate ride.



Image: The SRAM RED D1 Quarq Road Powermeter DUB crankset, featuring a black finish with silver chainrings and integrated power meter spider.

SAFETY INFORMATION

Always wear appropriate safety gear when working on your bicycle. Ensure all components are installed correctly and torqued to manufacturer specifications. Improper installation can lead to serious injury or product damage. If you are

unsure about any installation steps, consult a professional bicycle mechanic.

SETUP AND INSTALLATION

The SRAM RED D1 Quarq Road Powermeter DUB utilizes the DUB bottom bracket system, which offers broad compatibility across various frame standards. Proper installation of the crankset and bottom bracket is crucial for optimal performance and longevity.

Required Tools:

- Torque wrench
- Appropriate bottom bracket tool (specific to your DUB bottom bracket)
- Hex keys (various sizes)
- Grease
- Degreaser

Installation Steps:

1. **Prepare the Bottom Bracket Shell:** Clean and inspect the bicycle's bottom bracket shell. Ensure threads (if applicable) are clean and free of debris. Apply a thin layer of grease to the bottom bracket threads or contact surfaces as per DUB bottom bracket instructions.
2. **Install the DUB Bottom Bracket:** Follow the specific instructions provided with your SRAM DUB bottom bracket for installation. Torque to the specified values.
3. **Install the Crankset:**
 - Apply a thin layer of grease to the DUB spindle.
 - Slide the drive-side crank arm (with chainrings and power meter) through the bottom bracket.
 - Align the non-drive side crank arm onto the spindle.
 - Tighten the crank bolt to the manufacturer's specified torque. Refer to the specific torque values provided with your crankset.
4. **Pairing the Powermeter:**
 - Ensure the power meter is awake (rotate cranks a few times).
 - Refer to your head unit or cycling computer's manual for instructions on pairing a new ANT+ or Bluetooth power meter.
 - The power meter's unique ID can usually be found on a sticker on the crank arm or spider.



Image: A detailed view of the SRAM RED D1 Quarq Powermeter spider, showing the integrated power measurement unit.

OPERATING THE POWERMETER

Once installed and paired, the Quarq power meter will transmit power data to your compatible head unit. Ensure your head unit is configured to display power, cadence, and other relevant metrics.

Calibration (Zero Offset):

It is recommended to perform a zero offset calibration before each ride for the most accurate power readings. This compensates for any changes due to temperature or installation variations.

1. Ensure the bicycle is stationary and the cranks are not under any load.
2. Access the calibration function on your head unit (refer to your head unit's manual).
3. Initiate the zero offset. The head unit will confirm successful calibration.

Note: Do not perform a zero offset while pedaling or with any weight on the pedals.

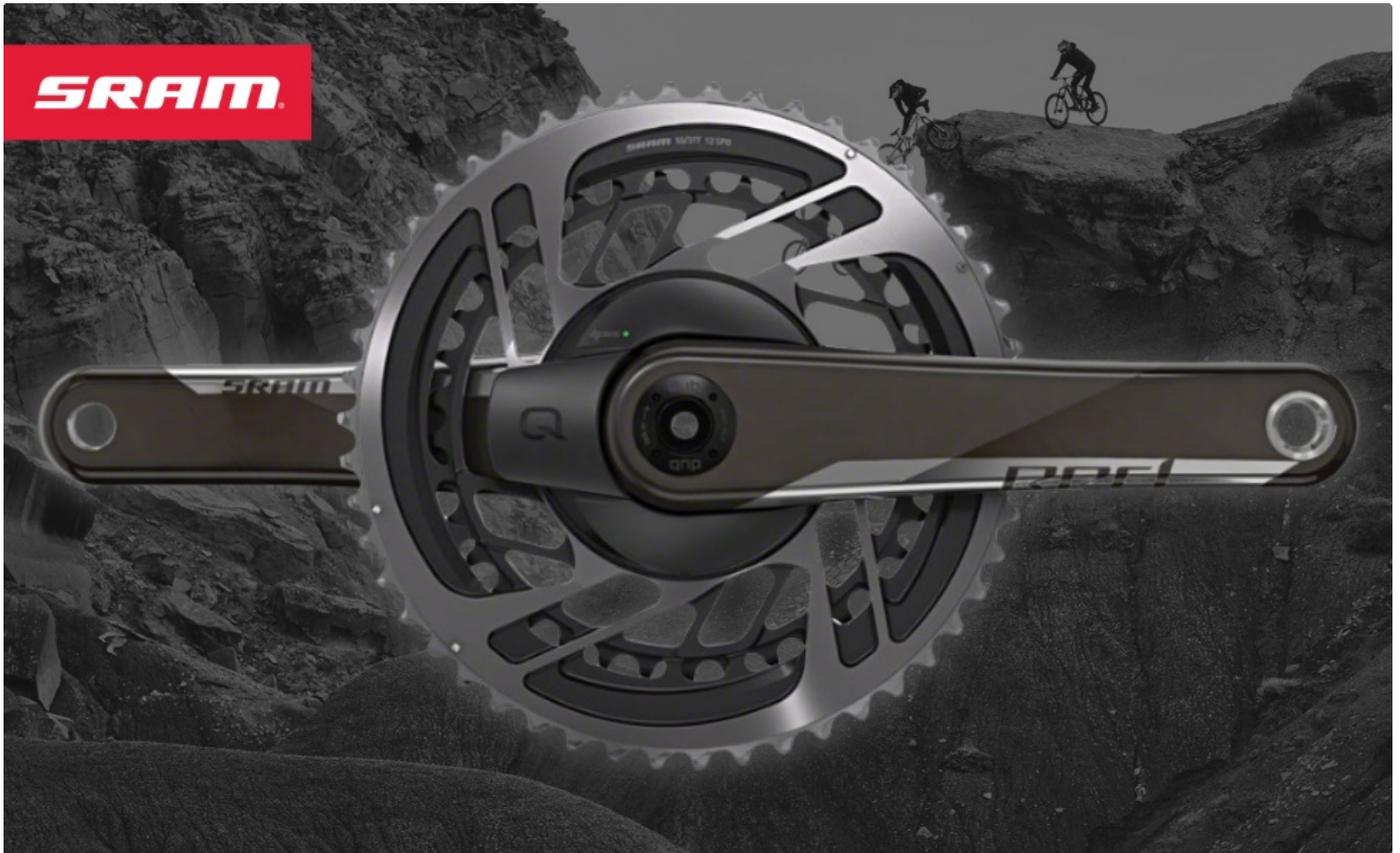


Image: The SRAM RED D1 Quarq Powermeter installed on a bicycle, with a blurred background of cyclists riding, illustrating its intended use.

MAINTENANCE

Regular maintenance will prolong the life and ensure the accuracy of your SRAM RED D1 Quarq Powermeter.

Cleaning:

- Clean the crankset and power meter regularly with mild soap and water.
- Avoid high-pressure washing directly on the power meter unit or bottom bracket bearings.
- Dry thoroughly after cleaning.

Battery Replacement:

The Quarq power meter uses a CR2032 coin cell battery. Battery life varies depending on usage and environmental

conditions. Replace the battery when your head unit indicates low battery or when the power meter stops transmitting data.

1. Locate the battery cover on the power meter spider.
2. Use a coin or appropriate tool to open the battery cover by turning it counter-clockwise.
3. Remove the old battery.
4. Insert a new CR2032 battery with the positive (+) side facing outwards.
5. Replace the battery cover and turn clockwise until snug. Do not overtighten.

Torque Checks:

Periodically check the crank bolt torque to ensure it remains at the manufacturer's specified setting. Loose crank bolts can lead to creaking or damage.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power data on head unit	<ul style="list-style-type: none">• Power meter asleep• Low or dead battery• Not paired correctly• Interference	<ul style="list-style-type: none">• Rotate cranks to wake up• Replace battery• Re-pair with head unit• Move away from strong electrical fields
Inaccurate power readings	<ul style="list-style-type: none">• Needs zero offset calibration• Loose crank bolt• Damage to power meter	<ul style="list-style-type: none">• Perform zero offset calibration• Check and torque crank bolt• Contact SRAM support
Creaking noise from crankset	<ul style="list-style-type: none">• Loose crank bolt• Dry bottom bracket threads/surfaces• Worn bottom bracket bearings	<ul style="list-style-type: none">• Check and torque crank bolt• Re-grease bottom bracket (professional recommended)• Replace bottom bracket bearings

SPECIFICATIONS

Attribute	Value
Brand Name	Sram
Model Name	D1 Road Powermeter Dub
Part Number	00.3018.207.170
Size	170mm - 48-35
Color	Black
Material	Synthetic
Item Weight	2 Pounds (approx. 0.91 kg)
Package Weight	1.52 Kilograms
Item Dimensions (LxWxH)	14 x 11 x 4 inches

Attribute	Value
Sport Type	Cycling
Included Components	Power Meters
Model Year	2019
Date First Available	February 7, 2019

WARRANTY AND SUPPORT

SRAM products are covered by a limited warranty against defects in materials and workmanship. For specific warranty terms and conditions, please refer to the official SRAM website or contact their customer support.

For technical support, troubleshooting beyond this manual, or warranty claims, please visit the official SRAM support page or contact their authorized service centers.

Official SRAM Website: www.sram.com

