

RAVEMEN FR1100SE

RAVEMEN FR1100SE Bicycle Headlight User Manual

Model: FR1100SE | Brand: RAVEMEN

INTRODUCTION

The RAVEMEN FR1100SE is a high-performance bicycle headlight designed to enhance visibility and safety for cyclists. Featuring a maximum output of 1100 lumens and a 270° wide-angle lens, it provides excellent illumination for night riding and a 500-lumen daytime flashing mode for increased presence during the day. This light offers versatile mounting options, smart charging capabilities, and an automatic on/off function for convenience. This manual provides essential information for the proper setup, operation, and maintenance of your FR1100SE headlight.



Overview of RAVEMEN FR1100SE features, including maximum brightness, automatic functions, and charging capabilities.

SETUP

Package Contents

Before installation, ensure all components are present:

- RAVEMEN FR1100SE Headlight Unit
- USB-C and Micro USB Charging Cables
- AGM04 Mount (for various setups)
- Safety Rope
- Cycle Computer Mount Adapters (Garmin, Wahoo, Bryton compatible)



Image showing the complete package contents of the FR1100SE.

Mounting the Headlight

The FR1100SE offers flexible mounting options, including handlebar and cycle computer mounts. The light can be installed either above or below your cycle computer for a clean handlebar setup.

1. Select the appropriate cycle computer mount adapter (Garmin, Wahoo, or Bryton) for your device.
2. Attach the chosen adapter to the top of the FR1100SE headlight.
3. Secure the FR1100SE to your bicycle's handlebar mount. Ensure it is firmly attached to prevent movement during rides.
4. Mount your cycle computer onto the adapter on top of the FR1100SE.
5. Alternatively, use the included lower mount for installation below the handlebar.

Note: The cycle computer mount itself is sold separately.

スペースを節約、ミニマルを維持

Garmin/Wahoo/Brytonなどサイコンと互換性あり



Space-saving mounting under a cycle computer, compatible with various brands.

2種マウント対応

上下どちらにも取付可能。
全キット付属で、さらに多くのセットアップに対応



Demonstration of two mounting types: above and below the handlebar.

OPERATING INSTRUCTIONS

Power On/Off and Mode Selection

The FR1100SE features 6 lighting modes to suit various riding conditions:

- **High:** 1100 lumens (1.8 hours runtime)
- **Mid:** 500 lumens (3.5 hours runtime)
- **Low:** 250 lumens (7.5 hours runtime)
- **Warning Flash:** 500 lumens (45 hours runtime)
- **Rapid Flash:** 300 lumens (21 hours runtime)
- **Slow Flash:** 150 lumens (46 hours runtime)

To operate:

1. **Power On:** Press and hold the power button for 1 second.
2. **Change Mode:** Short press the power button to cycle through the modes.
3. **Power Off:** Press and hold the power button for 1 second.
4. **Battery Check:** When the light is off, single-click the power button to display the remaining battery level.

全天対応の6つモード

電源オフ時でもバッテリー残量を確認可能



40%~100%



5~40%



< 5%



ハイ

1.8Hrs 1100lm



ミッド

3.5Hrs 500lm



ロー

7.5Hrs 250lm



警告点滅

45Hrs 500lm



ラピッド点滅

21Hrs 300lm



ゆっくり点滅

46Hrs 150lm

Illustration of the 6 lighting modes and how to check battery status.

Automatic On/Off Function

The FR1100SE is equipped with a vibration sensor for automatic operation:

- The light will automatically turn off after 2 minutes of idle (no vibration detected).
- It will automatically turn back on when vibration is detected (e.g., when you start riding).



アイドル状態で自動オフ

自動オンオフ機能搭載 センサー連動



振動検出だけで再点灯

Visual representation of the automatic on/off feature linked to vibration.

Visibility Features

The FR1100SE is designed for optimal visibility in various conditions:

- **Night Riding:** The 1100-lumen output and 270° wide-angle lens illuminate the road effectively, helping you spot obstacles and navigate safely in dark conditions.
- **Daytime Visibility:** The 500-lumen flashing mode increases your presence to oncoming traffic and pedestrians,

reducing the risk of accidents during daylight hours.

夜間照明

最大出力

1100 ルーメン

広範囲照射

270° 角度



Night illumination with 1100 lumens and 270° wide-angle coverage.

デイトライトとして

500ルーメンの警告点滅と広角レンズを搭載して、
日差しの中でも瞬時に存在をアピール



Daytime visibility using the 500-lumen flashing mode.

MAINTENANCE

Charging the Headlight

The FR1100SE can be charged using the included USB-C or Micro USB cables. Connect the light to a USB power source (e.g., computer, wall adapter).

Additionally, the FR1100SE can act as a power bank to charge your cycle computer during long rides, preventing battery depletion.



途切れないパワー

全サイコンに対応する2本のケーブル付属

* 使用場合先ずはサイコン接続

The FR1100SE can charge your cycle computer using the provided cables.

Heat Management

The FR1100SE incorporates a triple heat management system to ensure stable output and prevent overheating:

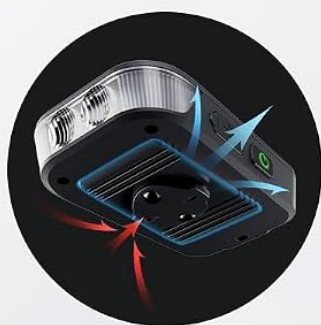
- Aluminum base and airflow fins

- Smart temperature control
- Copper base plate

This system efficiently dissipates heat, maintaining consistent brightness even during extended high-output use.

安定した出力性能

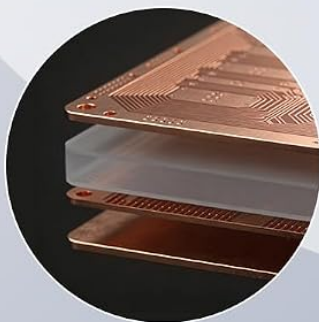
急速熱管理により動作温度を低下させ、
一貫した出力を維持し、過熱を防止



アルミベース &
エアフローフィン



スマート
温度制御



アップグレードされた
銅ベースプレート



Internal components for stable output and efficient heat dissipation.

Water Resistance

The FR1100SE is designed with a waterproof rating, making it suitable for use in various weather conditions. However, it is important to ensure all ports are securely closed to maintain water resistance. Avoid submerging the light in water.

TROUBLESHOOTING

Light Not Turning On/Charging

- Ensure the battery is charged. Check the battery level by single-clicking the power button when the light is off.
- Verify that the charging cable is securely connected to both the light and the power source.
- Try a different charging cable or USB port.

Electromagnetic Interference with Cycle Computers

Some analog wireless cycle computers (e.g., certain CAT EYE models like STRADA SLIM CC-RD310W) may experience electromagnetic interference when the FR1100SE is mounted directly beneath them, leading to inaccurate speed readings or other malfunctions.

- If you experience interference, try mounting the FR1100SE in a different location on your handlebars, away from the cycle computer's sensor.
- Digital wireless cycle computers (e.g., Garmin) are generally less susceptible to this issue.
- Before purchasing, verify compatibility and potential interference if you use an analog wireless cycle computer.

Automatic On/Off Not Functioning

- Ensure the light is in a mode that supports the automatic on/off function (most modes do).
- Check for any obstructions around the vibration sensor.
- If the light is not detecting vibration, ensure it is securely mounted to the bicycle.

SPECIFICATIONS

Brand	RAVEMEN
Model Number	FR1100SE
Color	Black
Material	ABS
Max Luminous Flux	1100 Lumens
Number of Lighting Modes	6
Waterproof Level	Waterproof
Mounting Type	Handlebar Mount, Cycle Computer Mount
Included Components	Light unit, USB-C cable, Micro USB cable, AGM04 mount, Safety rope

WARRANTY INFORMATION

The RAVEMEN FR1100SE Bicycle Headlight comes with a **2-year quality warranty** from the date of purchase. This warranty covers manufacturing defects and material flaws under normal use. Please retain your proof of purchase for

warranty claims.

The warranty does not cover:

- Damage caused by improper installation or use.
- Damage caused by accidents, abuse, or neglect.
- Normal wear and tear.
- Unauthorized repairs or modifications.

For warranty service, please contact your retailer or RAVEMEN customer support.

SUPPORT

For further assistance, technical support, or inquiries regarding your RAVEMEN FR1100SE Bicycle Headlight, please refer to the following resources:

- **Online Resources:** Visit the official RAVEMEN website for FAQs, product updates, and additional support materials.
- **Retailer Support:** Contact the store where you purchased the product for immediate assistance.
- **Customer Service:** For direct support, please refer to the contact information provided on the RAVEMEN official website or product packaging.

Always ensure you are using genuine RAVEMEN accessories and replacement parts to maintain product performance and warranty validity.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B0GV3PB675>

More documents and user manuals: <https://manuals.plus/>