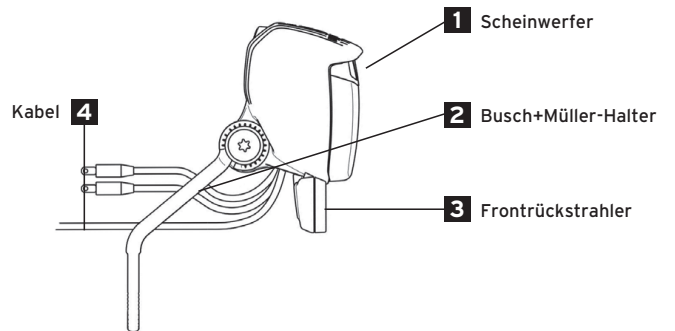


Inhaltsverzeichnis:

- 1. Allgemeine Hinweise
- 2. Verpackungsinhalt
- 3. Sicherheitsinformationen
- 4. Gesetzliche Bestimmungen
- 5. Technische Angaben
- 6. Montage
 - 6.1. Allgemeine Montagehinweise
 - 6.2. Montagehinweise Briq-S N und Briq-S T Senso Plus
 - 6.3. Anschluss
- 7. Bedienung
 - 7.1. Standlicht (nur Briq-S T Senso Plus)
 - 7.2. SENSO-Betrieb/Tagfahrlicht (nur Briq-S T Senso Plus)
- 8. Weitere Anmerkungen
- 9. Haftung

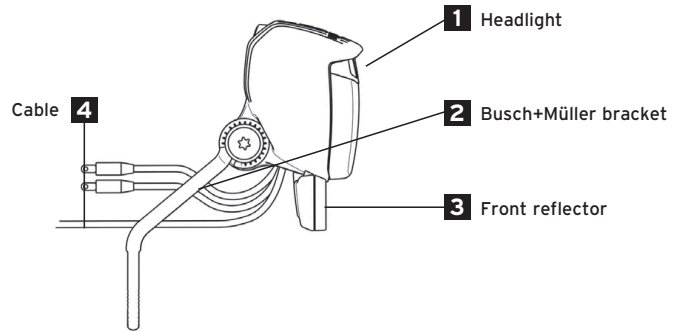
- Seite 4
- Seite 4
- Seite 5
- Seite 5
- Seite 6
- Seite 6
- Seite 6
- Seite 9
- Seite 10
- Seite 10
- Seite 11
- Seite 11
- Seite 12
- Seite 13



Index:

- 1. General information
- 2. Packaging content
- 3. Safety information
- 4. Legal requirements
- 5. Technical specification
- 6. Assembly
 - 6.1. General assembly instructions
 - 6.2. Assembly instructions for Briq-S N and Briq-S T Senso Plus
 - 6.3. Connection
- 7. Operation
 - 7.1. Standlight (only Briq-S T Senso Plus)
 - 7.2. SENSO night mode/day mode (only Briq-S T Senso Plus)
- 8. Further information
- 9. Liability

- Page 16
- Page 16
- Page 17
- Page 18
- Page 18
- Page 18
- Page 21
- Page 22
- Page 22
- Page 22
- Page 23
- Page 24
- Page 25



**Assembly and instruction manual for Busch+Müller hub dynamo headlights
Briq-S N and Briq-S T Senso Plus**

1. General information

These instructions are directed at persons with knowledge and experience in the assembly of bicycle components. Specialist tools may be required. Should you not have such experience or the required tools please enlist the service of a cycle specialist to ensure that this assembly is carried out correctly. Improper assembly may result in a fall or crash resulting in serious injury. Please read these instructions thoroughly and retain them for future reference, follow all the steps described and keep it in a safe place.

Busch + Müller produce an extensive product range of bicycle light components. Not every light component is suitable for every ground surface type. Should you be unsure about which type of light component you require for your intended use, you may either contact our service-hotline under +49 2354 915 7111, or by E-mail to service@bumm.de or request advice from a specialist retailer.

2. Packaging content

Headlight Briq-S N or Briq-S T Senso Plus | Busch+Müller bracket | front reflector | Assembly and Instruction Manual

3. Safety information

These instructions implement signal words to highlight potential dangers or important information.

The meaning of the signal words is listed below:

⚠ WARNING Describes a hazardous situation which, if not avoided, could result in a fatal accident or serious injury.

ℹ NOTICE Indicates information considered important, but not hazard-related (e.g. information related to property damage).

The **ℹ** symbol is used to provide other useful information about your new bicycle component.

ℹ NOTICE Light components from Busch + Müller are suited to riding conditions on a firm riding surface. Avoid use under extreme circumstances and never ride down steps. Do not use B+M light components while performing jumps, stunts, tricks, hops or fast descents on uneven terrain.

4. Legal requirements

Before you operate your vehicle in public traffic, you are obliged to ensure that your vehicle complies with national and local laws and regulations, and you, as a traffic participant must abide by the traffic regulations that apply. These can be found in the Highway Code or national equivalent, and depending on the country, also at other sources.

5. Technical specification

Headlight dimensions: height: 50 mm | length: 44 mm | width: 64 mm | weight: 74 g |
light level intensity: 60 Lux

Requirement: 6 V AC (dynamo operation)

NOTICE If you need special e-bike headlamps for a DC voltage range between 6 and 42 V, please contact your local specialist retailer.

6. Assembly

6.1. General assembly instructions

1 Make sure the headlight is not covered under any circumstances. Also, take care that the headlight has been mounted and aligned as prescribed. Align the front reflector **3** vertically to the road.

Germany, the prescribed mounting height for headlamps **1** and front reflectors **3** is between 40 and 120 cm. For details, consult your national Road Traffic Regulations or contact a local bicycle specialist retailer. Always make sure the headlight is mounted and aligned in a way to ensure that oncoming traffic is not blinded.

⚠ WARNING Never mount brackets on conical components! To avoid falls, accidents and severe injuries, always use the enclosed Busch+Müller assembly bracket **2**. If unsuitable or improperly positioned brackets are used, the headlight may loosen and change position, slide down and, in the worst case, get caught in the wheel spokes.

NOTICE Make sure to tighten all screws in a way to ensure the headlight **1** cannot move all by itself. This is especially important when cycling on uneven terrain.

Headlight alignment

Align the bicycle headlight **1** in a way to ensure that oncoming traffic is not blinded. On a completely flat road, the horizontal light edge (cut-off line) must always be visible on the road!

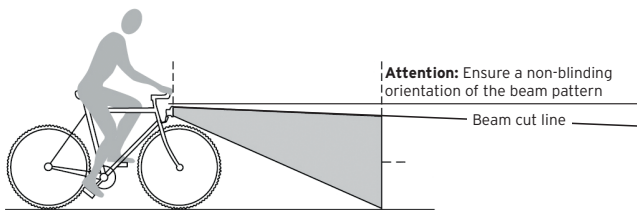


Image.: correct beam orientation with light switched on

⚠ WARNING Do not use the bicycle if the light beam of your headlight **1** is misaligned or the headlight **1** is too loose. Blinding oncoming traffic can cause accidents. Before aligning the bicycle headlight **1**, loosen the bracket retaining screw first. Make sure to retighten this screw again afterwards.

⚠ WARNING Never look directly into the light of the bicycle headlight when switched on **1**.

⚠ WARNING Never adjust the light range of your headlight **1** while cycling! This may result in serious falls and injuries.

6.2. Assembly instructions for Briq-S N and Briq-S T Senso Plus

Securely fasten the headlight **1** to the bike using the enclosed Busch+Müller bracket **2** so that it does not move by itself, and its position on the bike cannot change. This setting must be checked before first use. If other brackets are used, we cannot accept any warranty for secure attachment. Never mount the headlight **1** on the fork leg or on conical components. Mounting example for fork crown: First loosen the existing screw on the fork crown of your bike. Insert this screw through the screw hole provided at the lower end of the Busch+Müller bracket **2** and then tighten it again correctly.

! No inverted mounting: Mounting the headlight in an inverted orientation will turn the beam pattern upside down. The light emitted will therefore be in violation of the traffic regulations and oncoming traffic is likely to be blinded. In addition, this may lead to damage caused by excessive water ingress, the consequences of which are excluded from our warranty.

6.3. Connection

Two duplex cables **4** of different lengths are fitted in the headlight **1**. Connect the long cable to the hub dynamo (shorten if necessary). Connect the short cable (with faston connectors) to the rear light. Use the existing cable on the bike for this purpose. If the rear light cable is not used, the faston connectors should be insulated to prevent possible malfunctions.

NOTICE Always ensure correct polarity.

Black wire = power (+), black and white wire = earth (-).

NOTICE Never cut off cables on the headlight **1** completely. The Briq-S T Senso Plus headlight **1** is exclusively suited for use on hub dynamos and NOT on sidewall dynamos.

7. Operation

Pressing the button on the back of the headlight **1** switches it ON or OFF.

7.1. Standlight (only Briq-S T Senso Plus)

The standlight function is always available, completely maintenance-free and operates without standard or rechargeable batteries.

How it works: While cycling, a small amount of the energy supplied by the dynamo is stored in a capacitor. After approx. 3 minutes of cycling, the capacitor is fully charged. When stationary, this stored energy supplies the headlight LED, which remains illuminated.

7.2. SENSO night mode/day mode (only Briq-S T Senso Plus)

When switched on, the headlight is always in the SENSO mode. (The prerequisite for the SENSO mode to function properly is a constantly running hub dynamo). Even if the headlight is switched off during the ride, it is switched on again in the SENSO mode when you continue cycling after an extended stop.

In bright light, the headlight operates in the day mode. Giving less power to the LED responsible for the road/track beam pattern. Additional day ride LEDs light up at full brightness providing maximum visibility for oncoming traffic! At dusk and in the dark, the headlight automatically switches to the night mode. The headlight provides more energy for the road/track beam pattern. The additional daytime running LEDs are dimmed but still clearly visible to ensure maximum visibility on the road.

The headlight's light/dark sensor has a switchover delay of approx. 8 seconds from night mode to day mode, providing additional safety. As a result, the mode does not briefly switch to daytime light due to the headlights of passing cars, and provides greater safety thanks to constant illumination of the road.

8. Further information

Cleaning: Protect your headlight against exposure to water under high pressure.

For example, never point a water hose or high-pressure cleaner directly at the headlight.

Transport: If you transport your bike on your car in the rain, cover the headlight, with a plastic bag, for example, to prevent moisture penetration.

Radio speedometers: The electronics of radio speedometers and LED headlights may interfere with each other. Interference can be reduced by maximising the distance between the LED headlight and the radio speedometer and minimising the distance between the transmitter and receiver of the radio speedometer.

Disposal: Electronic components must not be handled as household waste but are to be disposed of as hazardous waste.

Overvoltage protection: The headlamp's overvoltage protection is effective even if no rear light is connected.

9. Liability

We do not assume liability for any and all damage caused by improper handling (e.g. dropping the headlight, inadequate safety of assembly and its consequences, immersion in water or other liquids etc.).

Have fun with your new headlight and enjoy safe cycling!

For spare parts please visit our spare part shop at www.bumm-shop.de

Technical modifications reserved.

Busch+Müller KG • 58540 Meinerzhagen, Germany • Tel. +49 2354 915-7111 • service@bumm.de • www.bumm.de