

Installation Manual Bullet Atto® RB



Dear customer,

Thank you for placing your trust in us by purchasing this product. Please read these instructions carefully and completely before deciding whether you would like to do the installation yourself or have it done by a specialist.

Legal note: Bullet Atto® RB

All Kellermann Bullet Atto® RB are ECE-approved for motorcycles as documented by the approval mark engraved into the housing. This means that you may use the Kellermann products instead of the original tail/brake lights without any entry in your vehicle documents or presentation to a vehicle inspection organization. **You do not need to carry any documentation with you. This applies to all motorbikes licensed under EU law and the corresponding lights.**

ATTENTION! The warranty will not apply if the Bullet Atto® RB has not been correctly installed or connected to the electrical supply on your motorcycle. Do not carry out the installation unless you are qualified to do so; otherwise, leave the installation and connection work for your Bullet Atto® RB to a qualified repair shop. The warranty does not apply to damage due to wrong connection or excess voltage (such as due to a defective alternator regulator).

ATTENTION! Improper mechanical installation or orientation of your Bullet Atto® RB lights may invalidate your motorcycle's roadworthiness and insurance protection, or even lead to accidents. Before every usage of your vehicle, check whether the indicators are correctly mounted and fully functional.

ATTENTION! Your Bullet Atto® RB lights may heat up during use. Contact with bare skin or heat-sensitive objects may lead to damage or injury.

CLEANING ADVICE! Your new Kellermann products are premium-quality products. In order to enjoy them long time and maintain the warranty we recommend not to use any cleansers with alkaline/acid and/or grinding substances or steel wool. We also advice not to use steam cleaners.

INSTALLATION

ATTENTION! Make sure that your motorcycle is standing firmly before you start work, as a fall may lead to damage to the motorcycle or injury to you or others.

The Bullet Atto® RB is eligible for the rear of the vehicle if centrally mounted as a single lamp or if symmetrically mounted to the longitudinal center plane of the vehicle as a pair. The Bullet Atto® RB must be installed radiating backwards in the longitudinal direction of the vehicle and the mounting arm must be horizontal. The Bullet Atto® RB has to be installed with the test mark visible. Alignment is important to safety in traffic and essential to your bike's roadworthiness, as a bike with incorrectly aligned lights is easy to overlook on the road.

Drill a 5 mm diameter hole and fasten the Bullet Atto® RB at **5 Nm** with the nut supplied. Make sure that the area where the wires emerge is protected from splash water.

Make sure that you keep the following measures in selecting your fastening point:

In height:
250 mm – 1500 mm above the ground

Geometric visibility:
Horizontal angle:
45° to left and to right for a single lamp;
45° outwards and 10° inwards for each pair of lamps
Vertical angle:
15° above and below the horizontal.

ELECTRICAL CONNECTION

Separate the wires between the original tail/brake light from the wire loom at a suitable position. This avoids interfering with the original wire loom. Find the circuit diagram to the original wires in the wire loom for your bike and connect them to the Bullet Atto® RB as follows:

- Connect the grey and white wire on the Bullet Atto® RB to the plus pole from the original tail light.
- Connect the grey and red wire on the Bullet Atto® RB to the plus pole from the original brake light.
- Connect the black wire on the Bullet Atto® RB to the minus pole from the original tail light.

To connect the wires of the indicator to the wires of the original connector there are crimp connectors and shrink tubings included in the delivery. First push one of the shrink-on tubes over one of the cables you want to connect and remove five millimeter of insulation on the end of each cable. Then push both bare ends into a shrink-on tube and crimp it with an appropriate tool. Then pull the shrink-on tube over the connection and heat it up equally until it fits tight over the complete length.

This type of connection is technically permanent. To create a non-permanent connection, we recommend Posilock wire connectors (not included), which are available for purchase from our website at www.kellermann-online.com.

Lay the cables in a way, that they are protected from splash water and fasten them, e.g. by using zip ties. Now test the function of the Bullet Atto® RB.

This completes the installation.

When retrofitting the original lighting units, warning messages in the cockpit can occur in some vehicles. For this purpose, we can offer you special solutions as i.SED, i.BOS products.

If you contact us, we will be happy to assist you. To date, we have been able to help every customer.

Our team is constantly working on new, improved solutions for all models and vehicles. If you are not sure which electronic equipment you require, please contact us. Refer to our homepage at www.kellermann-online.com for additional information, and our online shop with a full range of spare parts and accessories and a download area. If you have any suggestions or questions, please do not hesitate to contact us by email (info@kellermann-online.com) or call us: **+49 (0)241/93 80 8-0**. We are happy to assist you.

The Kellermann Bullet Atto® RB is equipped with the tried-and-trusted **Longlife Protection Guard®** circuit, which ensures extremely long life with LED technology. It is not necessary to replace the illuminate and, due to the laws for device approval, it is not allowed.

Bullet Atto® RB

