



**Instruction manual**  
mo.switch basic LED



V1.0

**THIS PRODUCT CAN HANDLE CURRENTS OF MAX. 1A AND IS NOT SUITABLE TO SWITCH LOADS DIRECTLY. LOADS MUST BE SWITCHED BY A ELECTRONIC SWITCHING MODULE (i.e. MO.UNIT).**

Thank you very much for purchasing a high quality motogadget product - Made in Germany.

Please read the following information and recommendations **thoroughly** and follow these instructions during installations and use of the product. No liability shall be assumed by motogadget for damage or defects resulting from negligence or failure to follow the operating and

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## 1. Review of Delivery

All products from motogadget are thoroughly checked to ensure they are completely fault-free when dispatched. Please check the received goods immediately for possible transport damage. If you find any damage or other deficiencies, please contact us immediately.

In this regard, we refer to our General Terms of Business and Delivery, which are published at [www.motogadget.com](http://www.motogadget.com). Should a return of the received delivery be agreed, please note that we only take back goods in their original packaging. The mo.switch and its accessories must be returned within the legal period of time and without any traces of use. We shall not assume any liability for returns which are insufficiently insured or packed.

## 2. Exclusion of Liability

**THE DEVICE AND ITS ACCESSORIES MUST BE INSTALLED BY A CERTIFIED MOTORCYCLE TECHNICIAN AND IN AN AUTHORIZED SERVICE CENTER. MOTOGADGET ACCEPTS NO LIABILITY FOR DIRECT OR INDIRECT DAMAGE OR SUBSEQUENT DAMAGE OF ANY KIND RESULTING FROM THE USE, INSTALLATION OR CONNECTION OF THE DEVICE OR OTHER DELIVERED EQUIPMENT. THIS EXCLUSION OF LIABILITY PARTICULARLY INCLUDES DAMAGE TO PERSONS, MATERIAL LOSSES AND FINANCIAL DAMAGES. THE USE IN AREAS OF PUBLIC TRAFFIC ENSUES AT THE USER'S OWN RISK. THE USE OF THE DELIVERED DEVICE AND ITS ACCESSORIES FOR RACING OR OTHER COMPETITIONS AS WELL AS FOR ANY USE NOT CORRESPONDING TO THE RECOMMENDED APPLICATION ALL WARRANTY CLAIMS SHALL BE INVALID.**

### **3. Safety Instructions**

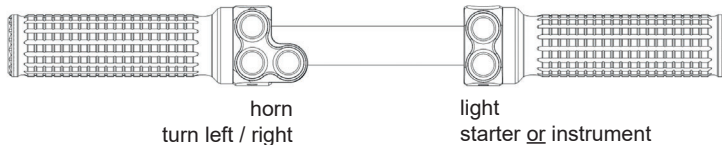
- THE VEHICLE BATTERY MUST BE COMPLETELY DISCONNECTED PRIOR TO ANY WORK ON THE VEHICLE'S ELECTRICAL SYSTEM. FIRST, DISCONNECT THE NEGATIVE TERMINAL AND THEN THE POSITIVE TERMINAL. FOR RECONNECTION PROCEED IN THE REVERSE ORDER**
- USING THE MO.SWITCH WITH PLUS POLE CONNECTED TO VEHICLE FRAME (OLDER ENGLISH MOTORCYCLES) IS NOT POSSIBLE.**
- INSTALLATION AND ELECTRICAL CONNECTION OF THE MO.UNIT MAY ONLY BE CARRIED OUT BY A CERTIFIED MOTORCYCLE TECHNICIAN.**
- ALL CABLE DIAMETERS MUST BE DIMENSIONED ACCORDING TO THE CURRENT FLOW**
- ALL ELECTRICAL CONNECTIONS IN THE WIRING LOOM AND AT THE CONNECTION TERMINALS HAVE TO BE CARRIED OUT PROFESSIONALLY. FAILURES AT CONNECTING JOINTS MAY CAUSE A CONTACT RESISTANCE AND LEAD TO HEAT GENERATION DURING HIGH CURRENT FLOW. THERE IS A RISK OF SERIOUS OR LETHAL INJURIES.**

#### 4. mo.switch combinations

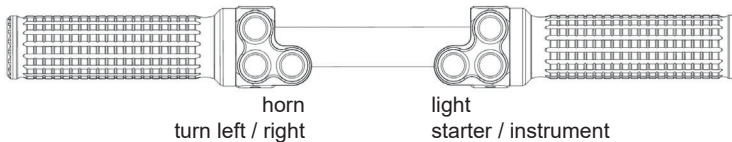
##### **4 push buttons - kickstarter & no instrument**



##### **5 push buttons - kickstarter & instrument or E-starter & no instrument**



##### **6 push buttons - E-starter & instrument**

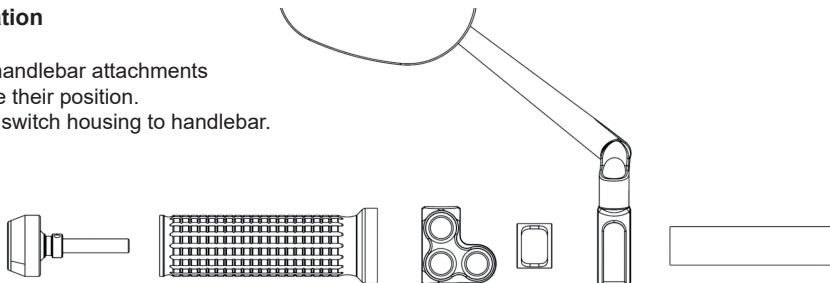


## 5. Setup

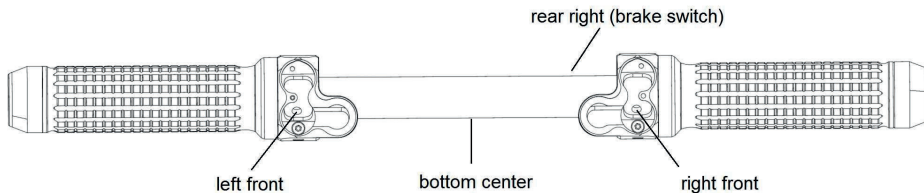


## 6. Installation

Mount all handlebar attachments  
and finalize their position.  
Clamp mo.switch housing to handlebar.



Drill 4 holes with 5mm diameter into the  
handlebar. Deburr the holes inside and  
outside carefully.



## 7. Mounting and wiring

Guide the mo.switch connection cable through the handlebar hole at the clamping point and then through the second, central handlebar hole. Clamp the housing to the handlebar with the clamping screw. Carefully insert the push-button inlay into the housing and pull the cable piece by piece. Fasten the inserted push-button inlay to the housing with the supplied countersunk screw. Lay the connecting cable from the handlebars on the vehicle to the mo.unit without pulling or kinking. The individual wires are connected as follows:

### ***mo.switch basic LED 2 buttons:***

- black - vehicle ground
- red - terminal 15 (switched +12V), or AUX1 or AUX2 of the mo.unit
- brown - button **A**, switches to ground, connect to the desired mo.unit input
- green - button **B**, switches to ground, connect to the desired mo.unit input

### ***mo.switch basic LED 3 buttons:***

- black - vehicle ground
- red - terminal 15 (switched +12V), or AUX1 or AUX2 of the mo.unit
- white - button **A**, switches to ground, connect to the desired mo.unit input
- yellow - button **B**, switches to ground, connect to the desired mo.unit input
- green - button **C**, switches to ground, connect to the desired mo.unit input



## **Declaration of Conformity**

Hereby, motogadget GmbH declares the product is in compliance to EU directives.  
The full text of the EU Declaration of Conformity is available at the following internet address:

<https://manuals.motogadget.com/mo-switch-basic-led>

