

Thank you for buying a HIGHSIDER product. Because of our passion for motorcycles all our products are designed to meet your needs as a motorcyclist. We wish you always a safe and pleasant ride with your new HIGHSIDER product from Paaschburg & Wunderlich GmbH.

**Before installation please read this manual carefully!**

This module is intended for use on motorcycles. Any changes or modifications on the module will result in the loss of liability and warranty claims! The HIGHSIDER CAN-BUS resistor CBW1 provides a required electrical load for your CAN-BUS vehicle. Up to 2 channels can be operated.

**If uncertain about the installation please hire a qualified person.**

Please keep this manual for a possible later use.

1. Before mounting, please disconnect the battery. Make sure your vehicle is secure.
2. **ATTENTION:** Permitted on-board voltage 6-14V DC! In case of faulty connection, the warranty expires! Please note the specified technical operating limits.
3. The module is switched between the vehicle electrics and the relevant lighting. Connect a maximum of one light per channel! The exact connection can be found in the drawing on the second page of this manual.
4. After the module has been connected, the correct setting must be made to the respective lighting unit on the vehicle (see table "DIP switch channel"! This is done via the DIP switch position. First set all DIP switches to the position indicated in line 8. Then check the proper function of the light unit!
5. If the light does not work as desired, set the switch position from line 8 on the DIP switch and check the function of the light again. Continue until the switch position has been found, which ensures the correct function of the light unit and does not cause any further error messages on the CAN bus system.
6. **Note:** Note that switch no. 1-4 control channel 1 and switch no. 5-8 control channel 2.
7. **ATTENTION:** After the installation is finished, the ABS system and the CAN bus system must be checked. Failure to observe this may void the operating license and endanger yourself and other road users.
8. **Note:** If an error message in the status display of the motorcycle appear while the engine is running, we recommend to drive the vehicle slowly and carefully for a view meters. The sensors are automatically checked and the error message is often fixed. Never do that test on public roads.
9. **ATTENTION:** Check the correct function of the lighting system before every ride!



Cable connection (connect to 6-14V DC only)

Yellow = input channel 1 (+)

Orange = output channel 1 (+)

Blue = input channel 2 (+)

Red = output channel 2 (+)

Gray = input Masse (-)

Black = output Masse (-)

Dip-Schalter Channel 1

CH1	1	2	3	4	ohm
a	off	off	off	off	1200 Ω
b	off	off	off	on	600 Ω
c	off	off	on	off	400 Ω
d	off	off	on	on	300 Ω
e	off	on	off	off	240 Ω
f	off	on	off	on	200 Ω
g	off	on	on	off	170 Ω
h	off	on	on	on	150 Ω
i	on	off	off	off	1200 Ω
j	on	off	off	on	600 Ω
k	on	off	on	off	400 Ω
l	on	off	on	on	300 Ω
m	on	on	off	off	240 Ω
n	on	on	off	on	200 Ω
o	on	on	on	off	170 Ω
p	on	on	on	on	150 Ω

Dip-Schalter Channel 2

CH2	5	6	7	8	ohm
a	off	off	off	off	1200 Ω
b	on	off	off	off	600 Ω
c	off	on	off	off	400 Ω
d	on	on	off	off	300 Ω
e	off	off	on	off	240 Ω
f	on	off	on	off	200 Ω
g	off	on	on	off	170 Ω
h	on	on	on	off	150 Ω
i	off	off	off	on	1200 Ω
j	on	off	off	on	600 Ω
k	off	on	off	on	400 Ω
l	on	on	off	on	300 Ω
m	off	off	on	on	240 Ω
n	on	off	on	on	200 Ω
o	off	on	on	on	170 Ω
p	on	on	on	on	150 Ω

Connection example (Indicator left & right)

