

## Installation manual Brake 2 Flash

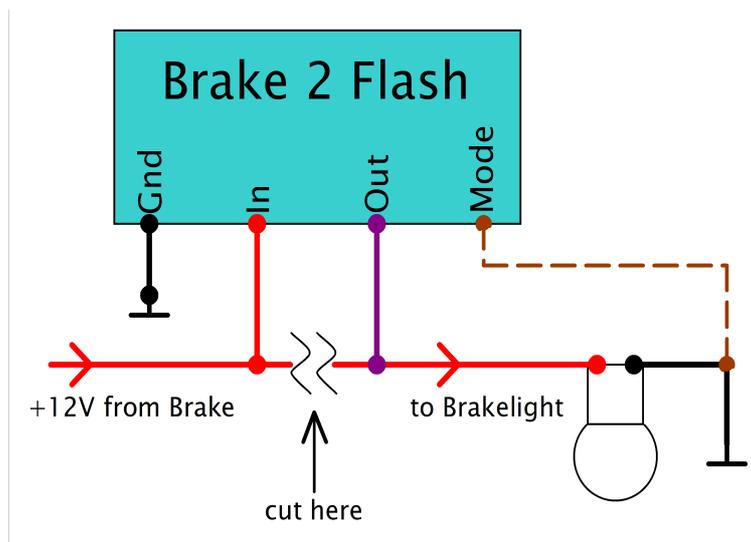
**You don't like to read manuals? Neither do we... However, it will take only 2 minutes of your time to read this and 10 minutes for the installation and you will have more fun with your new Brake 2 Flash :-)**

The Brake 2 Flash is an adjustable brake light flasher module. This device will fit in your bike, regardless if you use conventional bulbs or modern led lights. You can choose between 14 individual flasher sequences. The programming of your personal flasher sequence will need about 15 seconds.

### Installation:

- Remove the main fuse or the plus connector from the battery just in case.
- Cut the plus 12 Volt cable from the brake switch to the brake light.
- Connect the red cable to the side what goes to the switched 12 Volt cable to the brake switch.
- Connect the violet cable to the other cable what goes to the brake light.
- Connect the black cable to the chassis of the bike or to a ground cable.
- Connect the brown cable to the chassis for the selection of your preferred flasher sequence.
- Connect the battery or main fuse back.
- Choose your preferred flasher sequence by pressing the brake
- Remove the brown cable from ground. That's it :-). How long have you need ?

### Schematic:



**Please note, that the output of the Brake 2 Flash can handle 5 Ampere, but will reduce the current in case of a short circuit after a few seconds with 15 ampere, what is pretty much for the most brake light cables. Just put a fuse between the red cable and the switched 12 Volt line. The fuse value depends of the power consumption of the brake light and should be max. 2 Ampere.**

### Description:

Brown	Program cable. Just connect the brown cable to ground and press the brake a few times until you have reach the wanted setting. The mode number is indicated by the number of flashes after storing the mode number. Just remove the brown cable from ground after the programming. That's it :-)
Red	Switched + 12 Volt from the brake switch of the control unit.
Violet	Output to the brake light
Black	Ground

## Description of the different sequences:

Mode Nr.	Frequency	Repeats	Description
1	-	-	The brake light is permanent on, when the brake is pressed.
2	2 Hz	2	The brake light flashes 2 times and change to permanent on.
3	2 Hz	4	The brake light flashes 4 times and change to permanent on.
4	2 Hz	Permanent	Permanent flashes with 2 Hz.
5	4 Hz	4	The brake light flashes 4 times and change to permanent on.
6	4 Hz	8	The brake light flashes 8 times and change to permanent on.
7	4 Hz	Permanent	Permanent flashes with 2 Hz.
8	8 Hz	8	The brake light flashes 8 times and change to permanent on.
9	8 Hz	16	16 flashes and change to permanent on.
10	8 Hz	Permanent	Permanent flashes with 2 Hz.
11	2,5 Hz	2	2 x fade on - fade off, then continuous on.
12	2,5 Hz	Permanent	Continuous fade on - fade off.
13	0,7 Hz	Permanent	Flasher relay function, continuous on.
14	0,7 Hz	Permanent	Flasher relay function with Auto Off function after 30 seconds.

### Note:

The Brake 2 Flash is made for bikes what have an independent cable to the brake light. It was developed for an implementation in show bikes and racing bikes. It should be installed by professional well trained engineers only. Please check your local regulations regarding the brake light rules in your country before of the use of the Brake 2 Flash in your bike. Please be aware that we are not responsible for any hazards, damages or disadvantages due to the use of this device. The electronicbox devices are registered under the number DE54933725 WEEE as B2C device. We also declare that the Brake 2 Flash is conform to the CE and ROHS regulations for the European market.

### Technical details:

Input Voltage range: 7 - 18 Volt

Case dimensions: 38 mm x 16 mm x 11 mm

Case material: ABS potted with epoxy resin.

Maximum output current: 5 Ampere

Temperature range: - 20 Grad C up to 80 Grad C

**We wish you to have a lot of fun with your new Brake 2 Flash in your bike and of course always Ride Safe!**