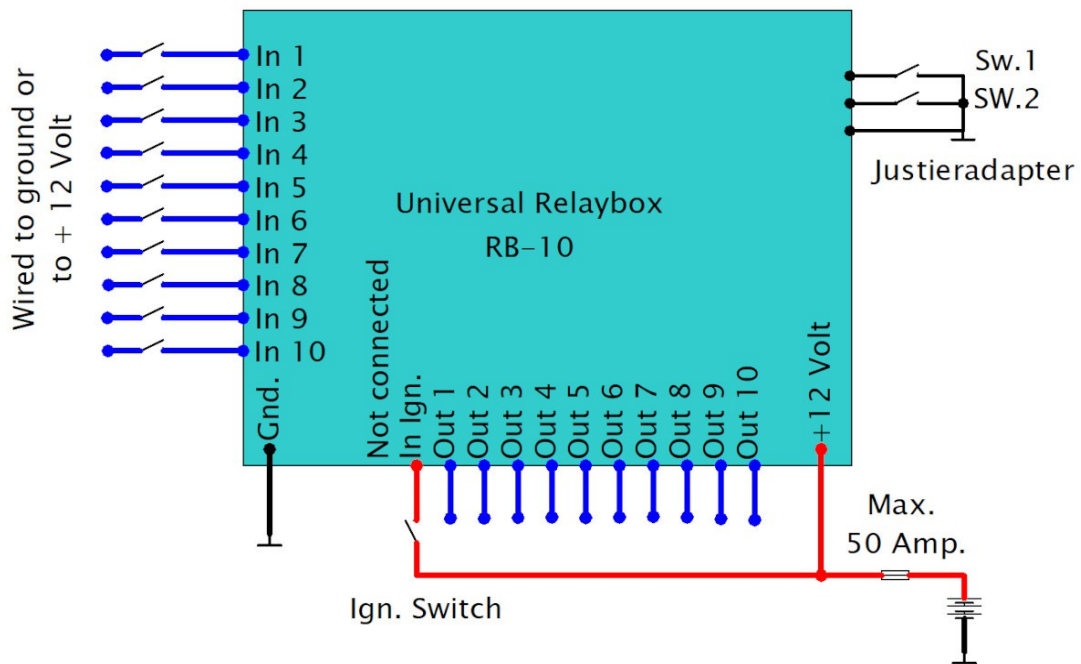


Installation of the universal relaisbox RB-10

No time for manuals? No problem, it will take only 2 minutes of your time to read it and you will have more fun during the installation of your new relaybox RB-10



Functions:

The universal relaybox RB-10 control of up to 10 individual loads. The following functions are integrated:

- 10 outputs with 6 Ampere maximum / each and maximum 50 Ampere / module allows the control of the most loads.
- Every input can be user configured as button input or switch input.
- Every input can be configured for a control of the switch or button to ground or + 12 Volt.
- Every output can be switched only if the ignition switch is on or independent of the ignition switch status.
- Every output can be adjusted for the drive of direction indicators. The flasher frequency is independend from the connected load.
- 11 integrated leds allow the control of the outputs while the installation and programming.

Installation:

The range of the in - and outputs in the box are indicated in the schema above when you look from the top side.

Connect the switches or buttons to the required inputs of the module. The other end of the switch is wired to plus or minus / ground. The diameter of the input cables can be very thin. There is no significant current on the inputs. Please use a shielded cable to the inputs or wire it far away (>10cm) from the ignition cables.

The input "Ignition" is wired behind the ignition switch if necessary.

The 10 outputs are switching 12 Volt to the loads. The maximum currrent is 16 Ampere / output. Please take care for a cable diameter of at least 1 qmm (AWG 17) to the loads. The plus pole (5 mm screw) of the module should be wired directly to the battery via an inline fuse (max. 50 Ampere). You can wire the main power also behind of the ignition switch if the outputs should switch only when the ignition is on in order to save battery power if the vehicle is not in use. The minus pole (5 mm screw beside of output 10) is wired directly to the battery minus or ground. Take care for a good ground connection.

You'll need 2 channels for the switching between low and high beam. Just wire the 2 inputs together and program 1 input to ground and one input to plus 12 Volt. Now you can use a 3 pin switch for a change between ground and plus 12 Volt to switch the loads. If you have only a 2 pin switch available you'll need to wire a resistor (100 - 500 Ohm) between the inputs and ground or plus in order to fix the input if the switch is open. Now you can wire the switch to the input and plus or ground.

Adjustment of the in - and outputs:

- Connect the button board to the connector and press button 1
- Choose the required channel via pressing the button 1. The output leds indicate the selected channel.
- Press button 2 if you want to adjust the channel. The "program" led beside of the plus pole flashes 1 time.
- Press button 1 if you want to switch this input to minus or press button 2 if you want to switch this input to plus. The "Program" led flashes 2 times and indicate that you are in the second row of the table below. Make your adjustments for this channel until the corresponding output led is off and your settings are stored. Repeat the procedure for all channels what you would like to use. Remove the button board after the setup.

Programming options:

Flashes	Mode	Button 1	Button 2
1	The channel switch if you wire one pin of the input switch to plus or to ground.	Minus	Plus
2	The channel works together with a push button or with a permanent switch.	Switch	Button
3	The channel switch always or only if the ignition switch is in "on" position.	Always	Ignition
4	The direction indicator mode is activated or not activated.	Off	Activated

The RB-10 should be installed by professional well trained engineers only. Please check your local regulations regarding the traffic light rules in your country before of the use of the RB-10 in your vehicle. Please be aware that we are not responsible for any hazards, damages or disadvantages due to the use of the RB-10. The elektronikbox devices are registered under the number DE54933725 WEEE as B2C device. We also declare that the RB-10 is conform to the CE and ROHS regulations for the European market. We tried to keep the functions of the RB-10 and this manual as simple as possible. If you have any questions while the installation please don't hesitate to contact us at: info@elektronikbox.de

We wish you to have a lot of fun with your new RB-10 and of course always a safely trip!