Original wiring from vehicle power

High beam

Low beam

Cut here

LED ·

DOPPELLICHT MODUL V3.02

Fernlichtschalter
Masse [Batterie]
Abblendlicht
Fernlichtlampe

© JN 2013

● = new connections

+ −

Original wiring from vehicle power

USE ONLY WITH ADDITIONAL RELAY!

87a 87
86   30
85

Cut here

You MUST built in a ext. fuse (15-20A) into the new Powerline!

+ −

Low beam
High beam
Ground

Cut here

Cut here

Drawn in dashed lines is the relocation of the original wiring BEFORE the rebuild.
The used colours here may not fit your Model. Please find out the right cable colours first!

LED ·

DOPPELLICHT MODUL V3.02

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Fernlichtlampe

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● = new connections

Recommended cable thickness from the battery to the relay (30), to Low beam (relay terminal 87) and to the ground of lamps:

Min. 2.5mm², better 4mm².

− +

− +

High beam

Low beam

Cut the orig. wiring to low beam light and put to clamp 86 of the relay
Put wire from clamp 87 of the relay to low beam light
Cut orig. ground wire of the lamps and put on clamp 85 of the relay.
Put (+) of batterypower with fuse (15A-20A) to clamp 30 of the relay
Put (−) of batterypower to low beam and high beam light ground
Cut orig. high beam wire approx. 10-15cm behind the lamp connection
Connect the open wire from the high beam lamp to „Fernlichtlampe" (blue) of the module
Connect the other open wire coming from the vehicle power to „Fernlichtschalter" (yellow)
Put the ground (black) clamp from the module to battery ground or chassis ground
Put the „Abblendlicht" wire (red) of the module with the red connector to the new connection
for the low beam light.
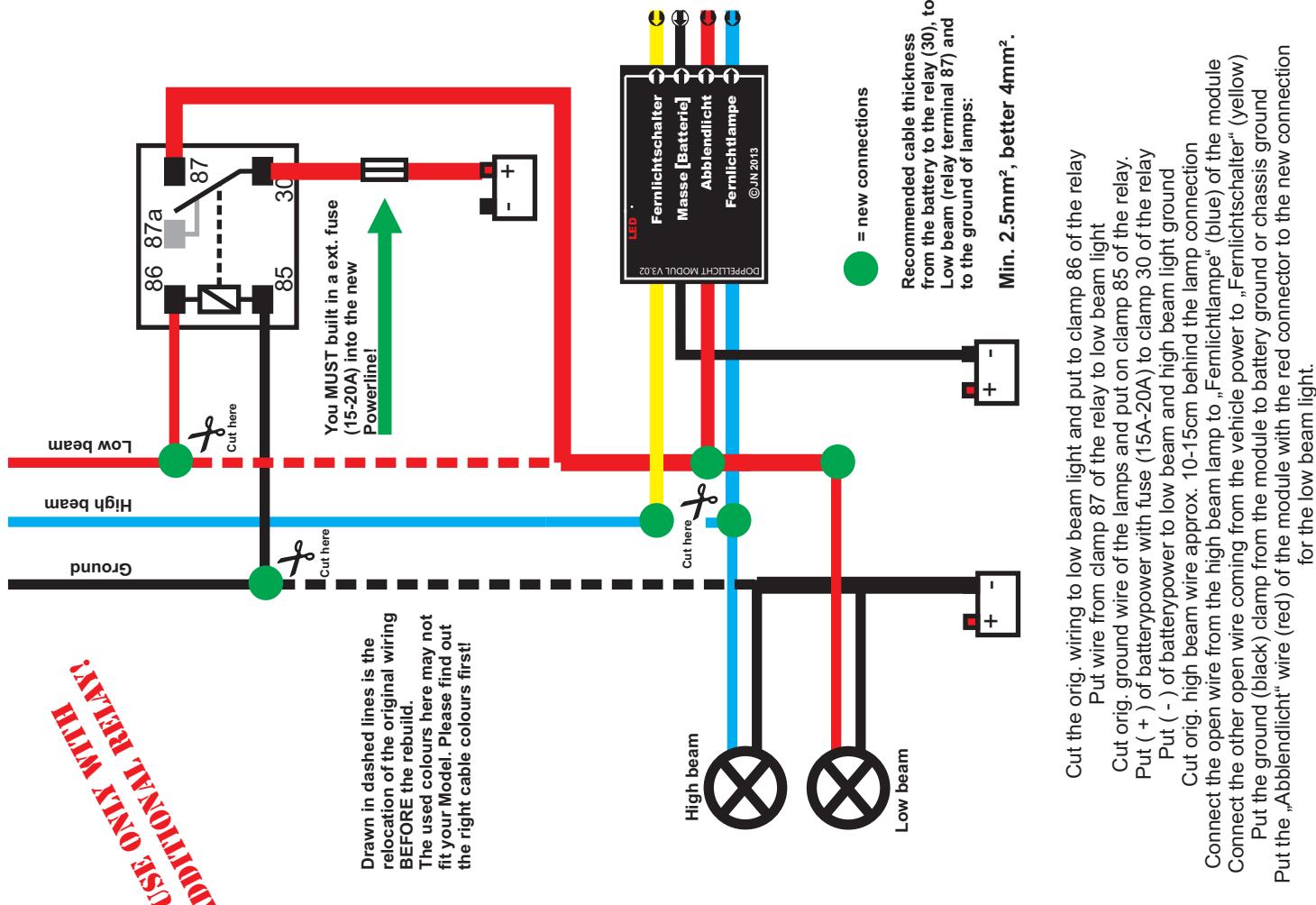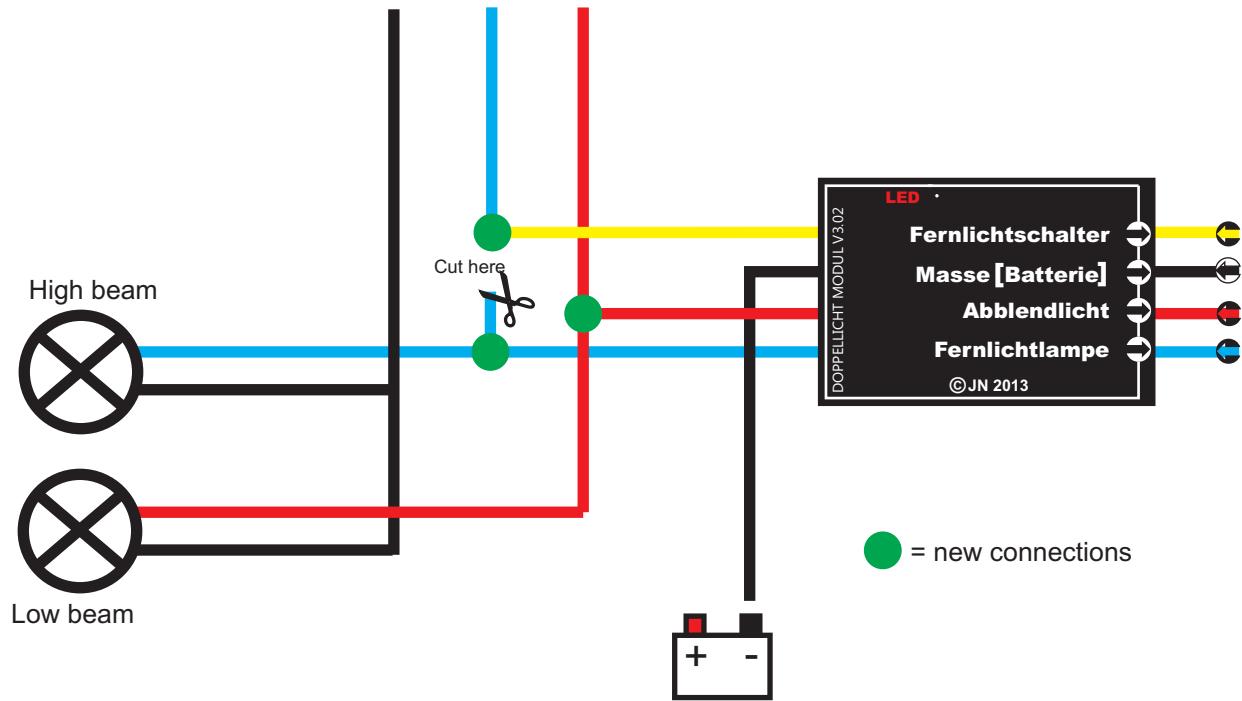
Programming of Doppellicht Module V3.0x-V4.0x

Turn over into programming mode:

1. Ignition ON **
2. Press the flashlight button within 3 seconds for a moment
3. The integrated LED will flash 6 times to announce the programming-mode
4. The high beam will show up for 1 second and after that it went off

**some models don't have a light switch. The light will start automatically together with starting the engine. For those models, please start the engine and wait for the low beam to come up. After that the time period for the setup will start.

Decrease brightness:

1. Press the flashlight button 1 time - (equal to a mice click)
2. The integrated LED will flash 1 time
3. Now hold the flashlight button pressed – the brightness will decrease

Increase brightness:

The highbeam could be adjusted from 25% to 90% of brightness.

1. Press the flashlight button 2 times - (equal to a slow mice double click)
2. The integrated LED will flash 2 times
3. Now hold the flashlight button pressed – the brightness will increase

Save the selected brightness:

Starting from invoice date 16.11.2015 the brightness will be stored automatically during the adjustment. There is no need any more for a separate. Just turn off the ignition after adjustment to exit the brightness setup routine. The saved brightness level will never get lost, also not after removing the battery. You can activate / deactivate and reprogram the module as often as you like. The stored value will only be overwritten once you do the adjustment again.

The normal high beam will work like normal, no matter of the dimmed brightness or if the module is deactivated!

Activation / deactivation of the module:

1. Ignition OFF
2. Keep flashlight button pressed
3. Ignition ON **
4. Release flashlight button
5. After 2 seconds the high beam light will go OFF or ON, this depends on the status it has before

** some models don't have a light switch. The light will start automatically together with starting the engine. For those models, please start the engine and wait for the low beam to come up. After that the time period for the setup will start.

If the module is deactivated the integrated led will flash shortly every 5 seconds to show you that is deactivated! The setup of the brightness can only be done on a activated module!

The Module is designed for a normal high beam lamp of max. 12V / 60Watts.
Remember: The normal highbeam will always work no matter if the module is deactivated or dimmed!