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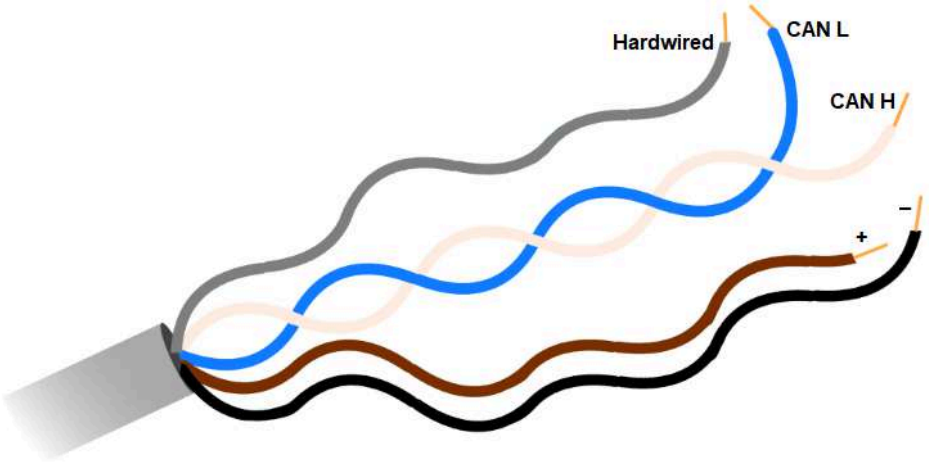
CAN Shift Light

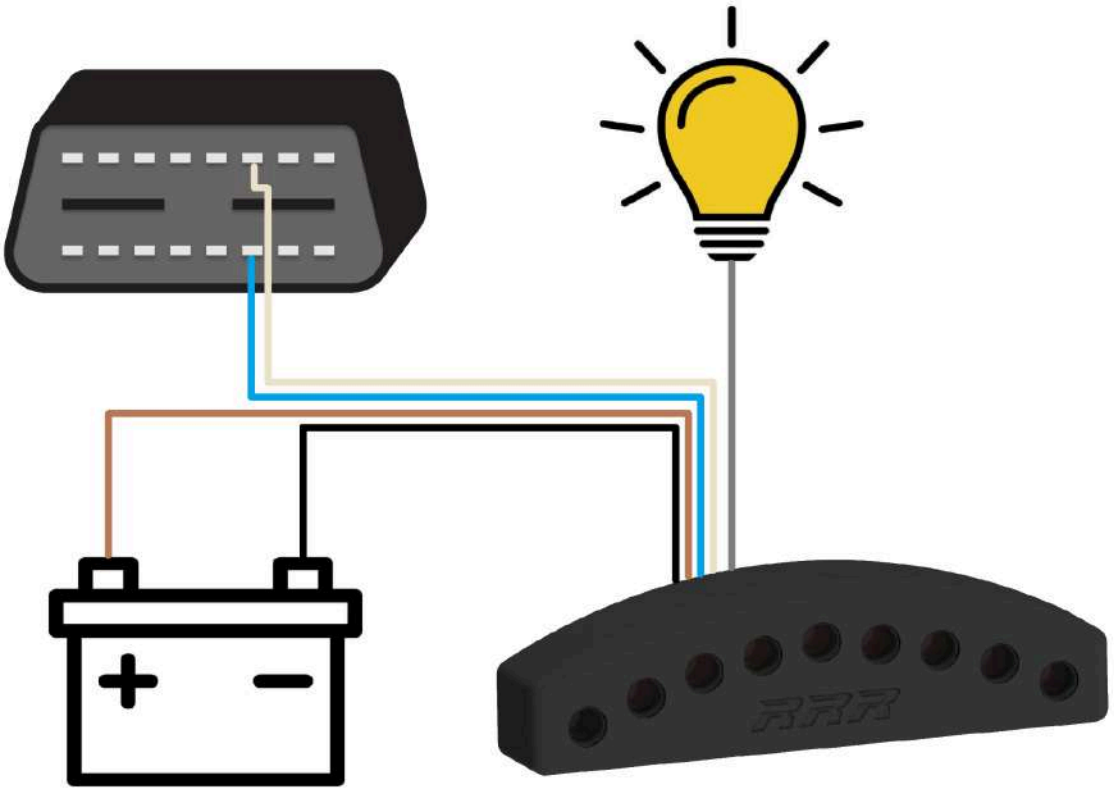
QUICK START

For proper operation of the CSL module, it needs to be connected to at least a power source and CAN bus of the vehicle (fg. OBD connector). Additional hardwired input can be used as dimming, pitlane or alarm input, depending on the end user selection.

Pinout:



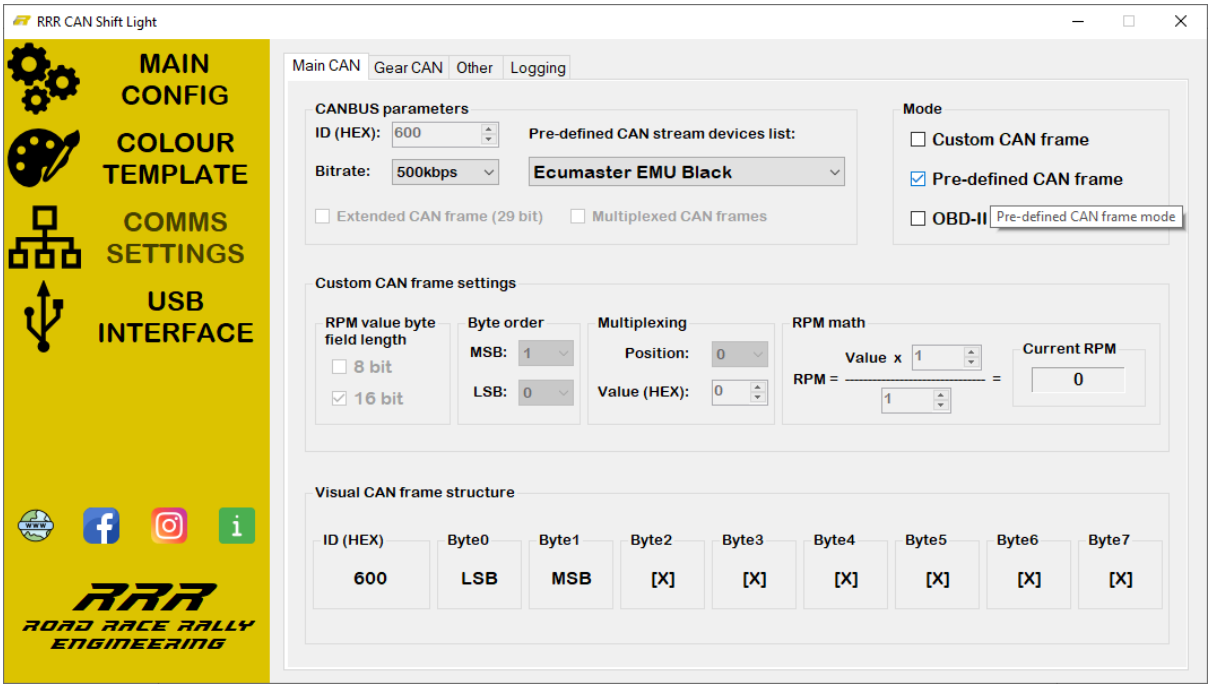
Basic connection example:



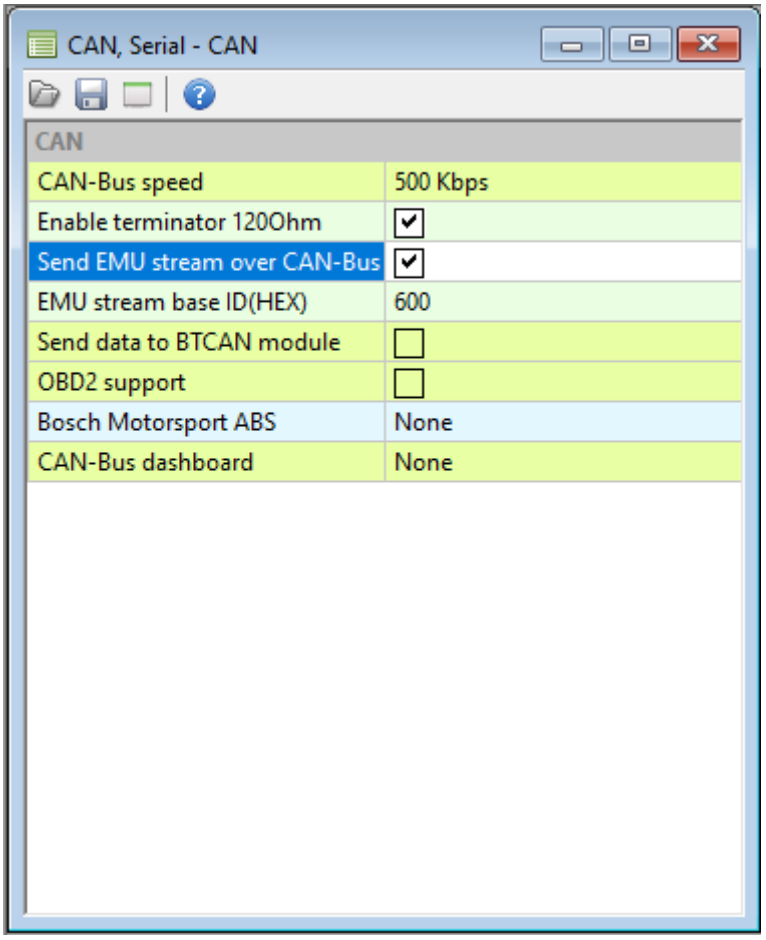
The supply source should be “+15” type, switched after ignition, to avoid battery drain. Hardwired input can be wired to a low beam headlight signal (12V when on) or interior illumination signal to automatically enter the night mode (when configured in CSL software). Also pitlane or alarm function can be assigned to hardwired input e.g. by connecting it to the dash check engine lamp.

CAN connection is necessary to grab RPM data from vehicle electronic system. CSL device provide a wide range of predefined CAN bus streams for standalone ECUs widely used in motorsport. Also few standard vehicle streams (OEM ECU) are available. The list will be enlarged during the next firmware updates.

Custom standalone ECU configuration example (Ecumaster EMU Black):



CSL CAN configuration



EMU Black CAN configuration

When a pre-defined CAN stream is not listed for your car, there is always an option to put CAN bus detail yourself in "custom CAN frame" mode or use OBD-II mode when the vehicle ECU supports it.

When everything is connected properly, and configuration has been performed the CSL device is ready for work.

Make sure CAN wiring is twisted pair type!

The CSL device must be securely mounted to avoid the risk of injury to the driver when driving on bumpy tracks sectors!

The CSL device can't be used on public roads!