Connection Guide
AEM

Can Bus Connection

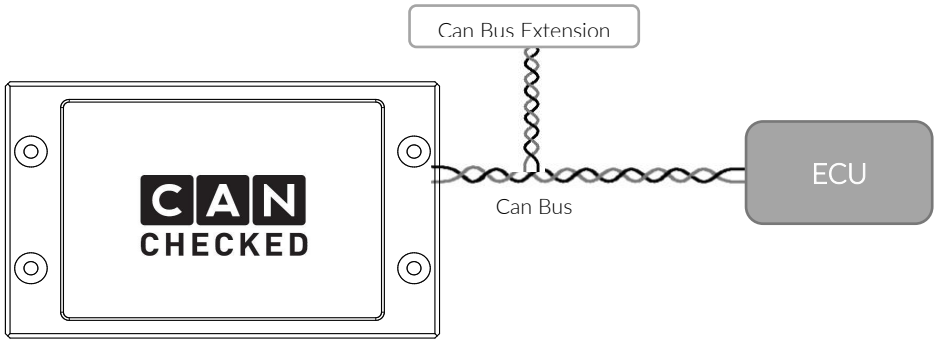
On the EMS-4 you can find a separate Can Connector (see ECU instructions)
Series 2 (30-6030): C21 Can Low + C22 Can High
Infinity Series 3: C1-12 Can High A + C1-13 Can Low A
Infinity Series 5: C1-35 Can High A + C1-34 Can Low A
Infinity Series 7: C1-32 Can High A + C1-31 Can Low A

AEM recommends a twisted pair cable with terminating resistor. So please connect a 120 Ohm resistor between Low and High on the output of the ECU. The display has got an internal 120Ohm resistor builtin, which is enabled per default (Menu=>TRI File => CanTerm). Only two resistors are allowed within the CAN network – one at the beginning and one at the end (see drawing).

Can Bus Verbindung

Die EMS-4 besitzt ein separates Can Bus Kabel (siehe Steuergerät Anleitung)
Series 2 (30-6030): C21 Can Low + C22 Can High
Infinity Series 3: C1-12 Can High A + C1-13 Can Low A
Infinity Series 5: C1-35 Can High A + C1-34 Can Low A
Infinity Series 7: C1-32 Can High A + C1-31 Can Low A

AEM empfiehlt ein verdrilltes Kabel mit integriertem Abschlusswiderstand. Bitte die beiden Kabel Can High/Low mit einem 120Ohm Widerstand am Steuergerät-Ausgang verbinden. Das Display hat einen 120Ohm Widerstand, der mittels Software deaktiviert werden (Menu=>TRI File => CanTerm). Es dürfen nur zwei Widerstände in einem Can Netzwerk existieren (siehe Bild).



Can Bus Extension

Additional extensions like EGT modules can be attached to the Can Bus.

Can Bus Erweiterung

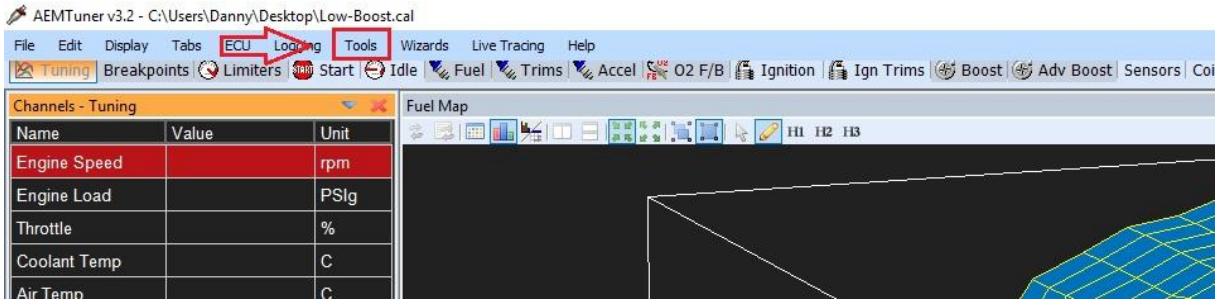
Zusätzliche Erweiterungen wie AGT-Module können einfach mit an den Can Bus angeklemmt werden.

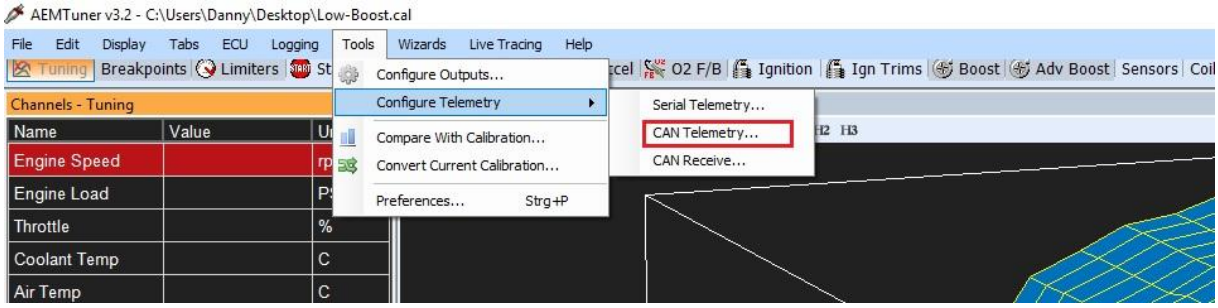
ECU setup

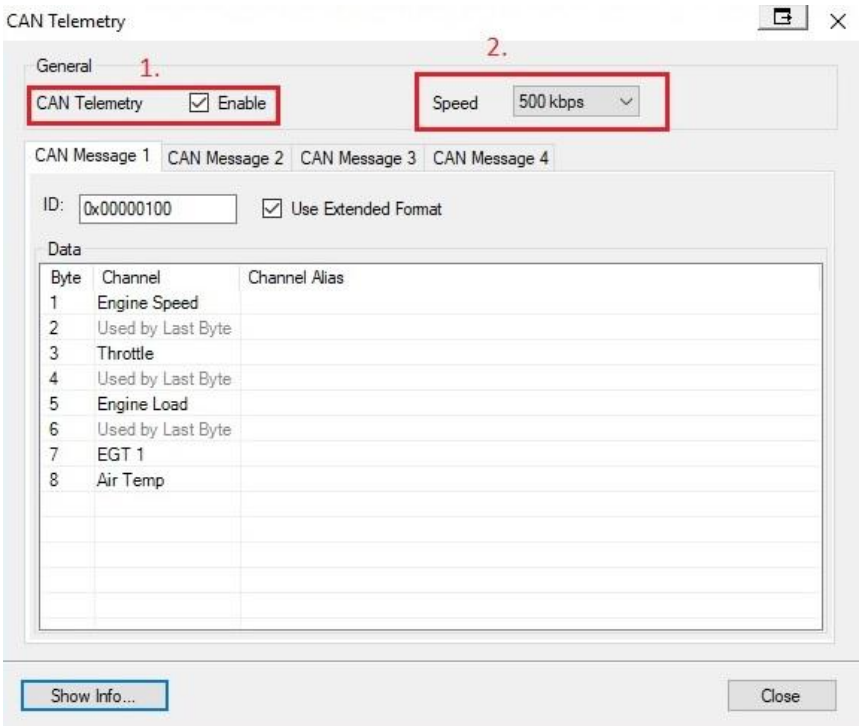
Open the AEM Tuner 3.2 software on your laptop/computer and navigate on the left hand side to “TOOLS”, “Configure Telemetry” and open up “CAN Telemetry”. Afterwards select the options as shown below and do not forget to save your configuration to the ECU afterwards.

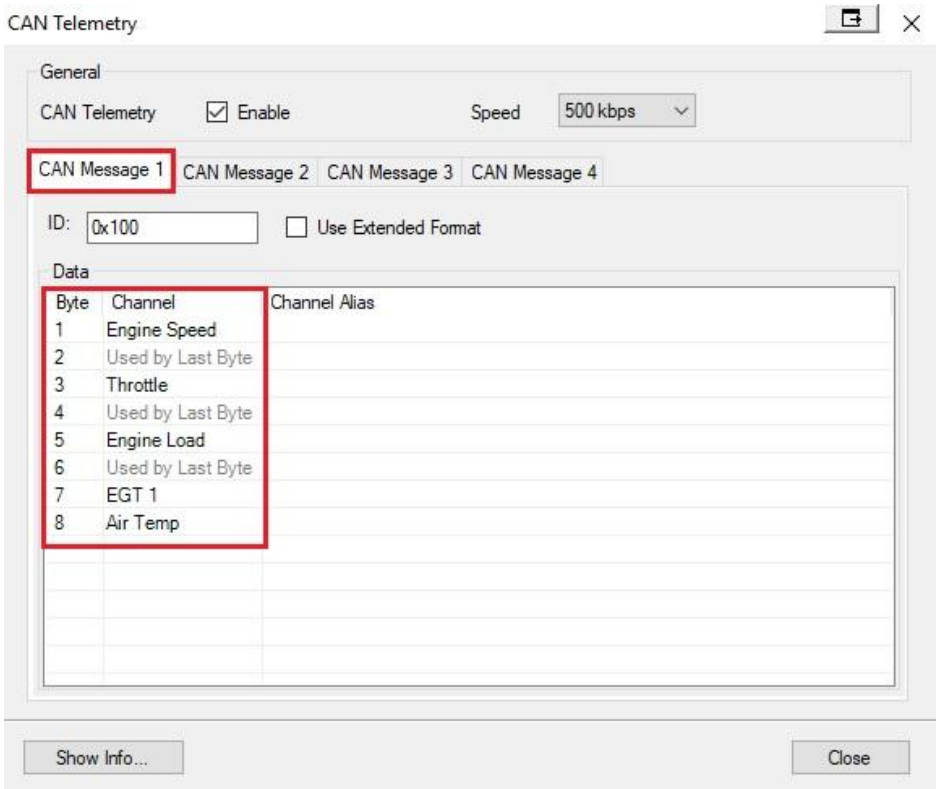
Steuergerät Einstellungen

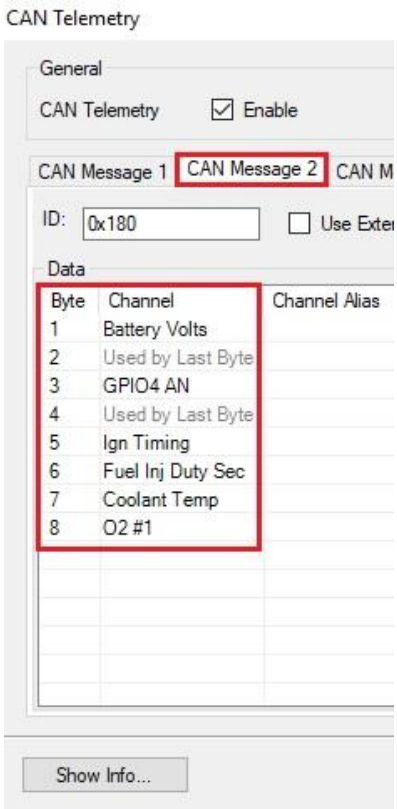
Bitte die AEM Tuner 3.2 Software auf einem PC/Laptop öffnen und im linken Pereich zu „TOOLS“, „Configiure Telemetry“ und „CAN Telemetry“ navigieren. Bitte die Einstellung wie in den folgenden Bildern vornahmen und anschließend im Steuergerät speichern.

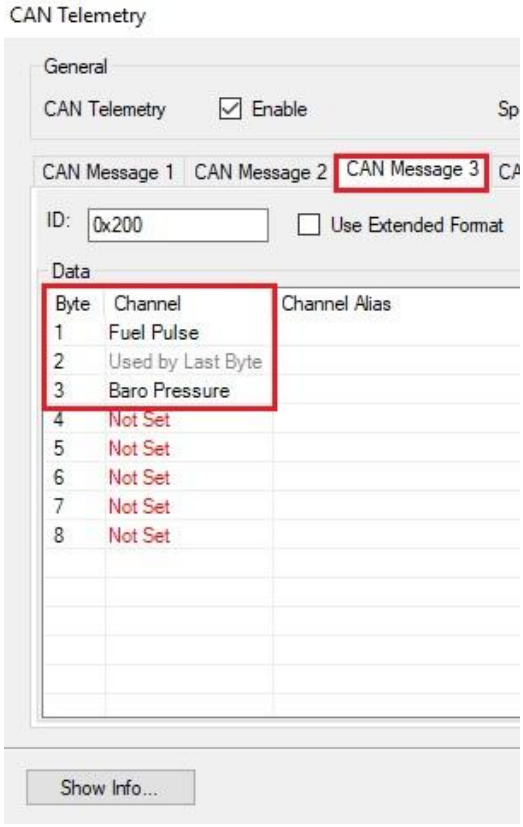





CAN Telemetry
General
1.
2.
CAN Telemetry
Enable
Speed
500 kbps
CAN Message 1
CAN Message 2
CAN Message 3
CAN Message 4
ID:
0x00000100
Use Extended Format
Data
Byte
Channel
Channel Alias
1 Engine Speed
2 Used by Last Byte
3 Throttle
4 Used by Last Byte
5 Engine Load
6 Used by Last Byte
7 EGT 1
8 Air Temp
Show Info...
Close


CAN Telemetry
General
CAN Telemetry
Enable
Speed
500 kbps
CAN Message 1
CAN Message 2
CAN Message 3
CAN Message 4
ID:
0x100
Use Extended Format
Data
Byte
Channel
Channel Alias
1 Engine Speed
2 Used by Last Byte
3 Throttle
4 Used by Last Byte
5 Engine Load
6 Used by Last Byte
7 EGT 1
8 Air Temp
Show Info...
Close





CAN Telemetry: enabled
Speed: 500kbit

We hope you have as much fun with your CANchecked display as we do. If you have any questions, you are welcome to contact us via the ticket system (https://www.canchecked.de/ticket) and discuss your concerns with us.

We have also created a group for the community on Facebook, where you can exchange ideas with other users and find the solution to one or the other question:

https://www.facebook.com/groups/CANchecked/

CAN Telemetry: enabled
Speed: 500kbit

Wir hoffen, du hast mit deinem CANchecked Display genauso viel Spaß wie wir. Sollten Fragen auftauchen, kannst du uns gerne über das Ticketsystem (https://www.canchecked.de/ticket) kontaktieren und uns dein Anliegen erörtern.

Wir haben außerdem auf Facebook eine Gruppe für die Community erstellt, hier kannst du dich mit anderen Usern austauschen und die Lösung für die ein oder andere Frage finden:

https://www.facebook.com/groups/CANchecked/