



Connection Guide MaxxECU

Can Bus Connection

On all ECUs (Street, Sport, Race, Pro) you can find the Can Bus wires in the same pins:

E1 (Can High) + E2 (CAN Low)

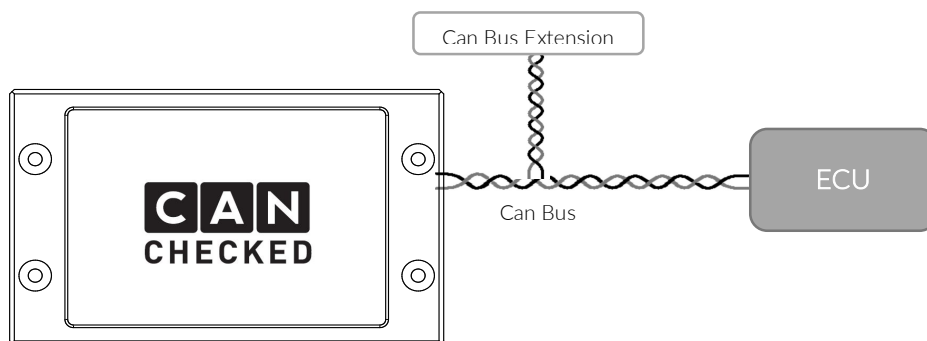
The ECU already supplies a 120Ohm resistor internal. The display has got a jumper on the backside which enables the resistor. Only two resistors are allowed within the CAN network – one at the beginning and one at the end (see drawing).

Can Bus Verbindung

Alle Steuergeräte (Street, Sport, Race, Pro) haben die Can Bus Verbindungen an den gleichen Pins:

E1 (Can High) + E2 (CAN Low)

Das Steuergerät besitzt bereits einen internen 120Ohm Abschlusswiderstand. Das Display verfügt über einen Jumper auf der Rückseite, welcher den Widerstand aktiviert. Es dürfen nur zwei Widerstände in einem Can Netzwerk existieren. Einer am Anfang und einer am Ende (siehe Bild).



Can Bus Extension

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

Can Bus Erweiterung

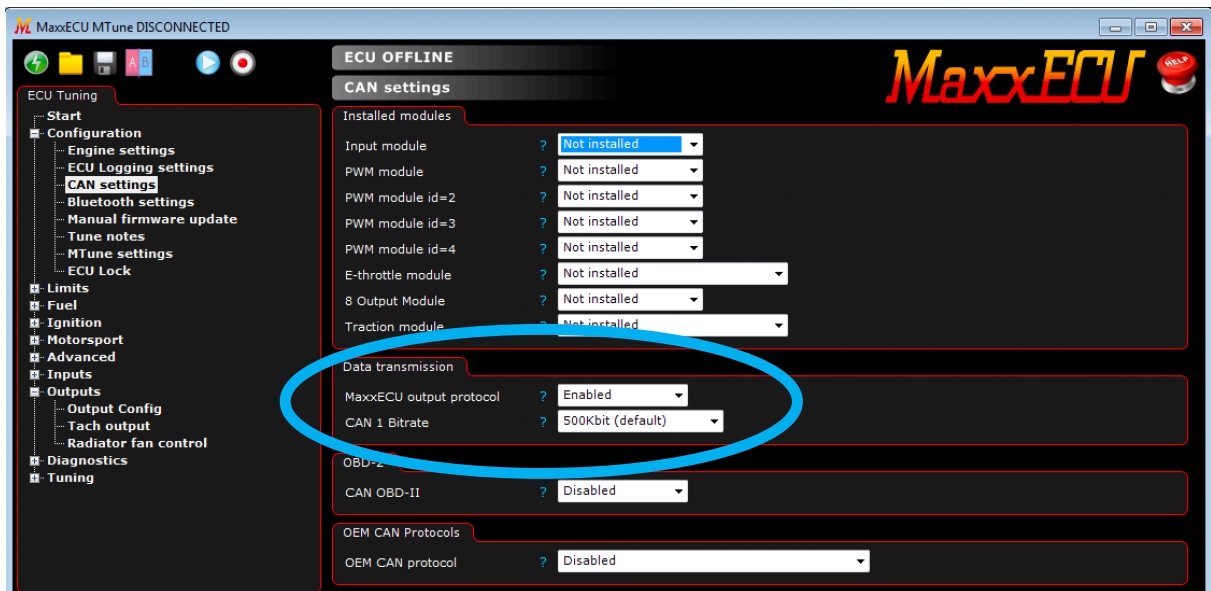
Zusätzliche Erweiterungen wie AGT-Module können einfach mit an den Can Bus angeklemt werden.

ECU setup

Open the MaxxECU software on your computer/laptop and navigate to “ECU Controls” – “CAN Setup”. Please select the options as shown in the screenshot. Afterwards save the configuration to the ECU.

Steuergerät Einstellungen

Bitte die MaxxECU Software auf dem PC/Laptop starten und unter „ECU Controls“ – „CAN Setup“ öffnen. Bitte die Einstellungen wie im Bild gezeigt vornehmen und anschließend im Steuergerät speichern.



MaxxECU output protocol: enabled
CAN 1 Bitrate: 500kbit

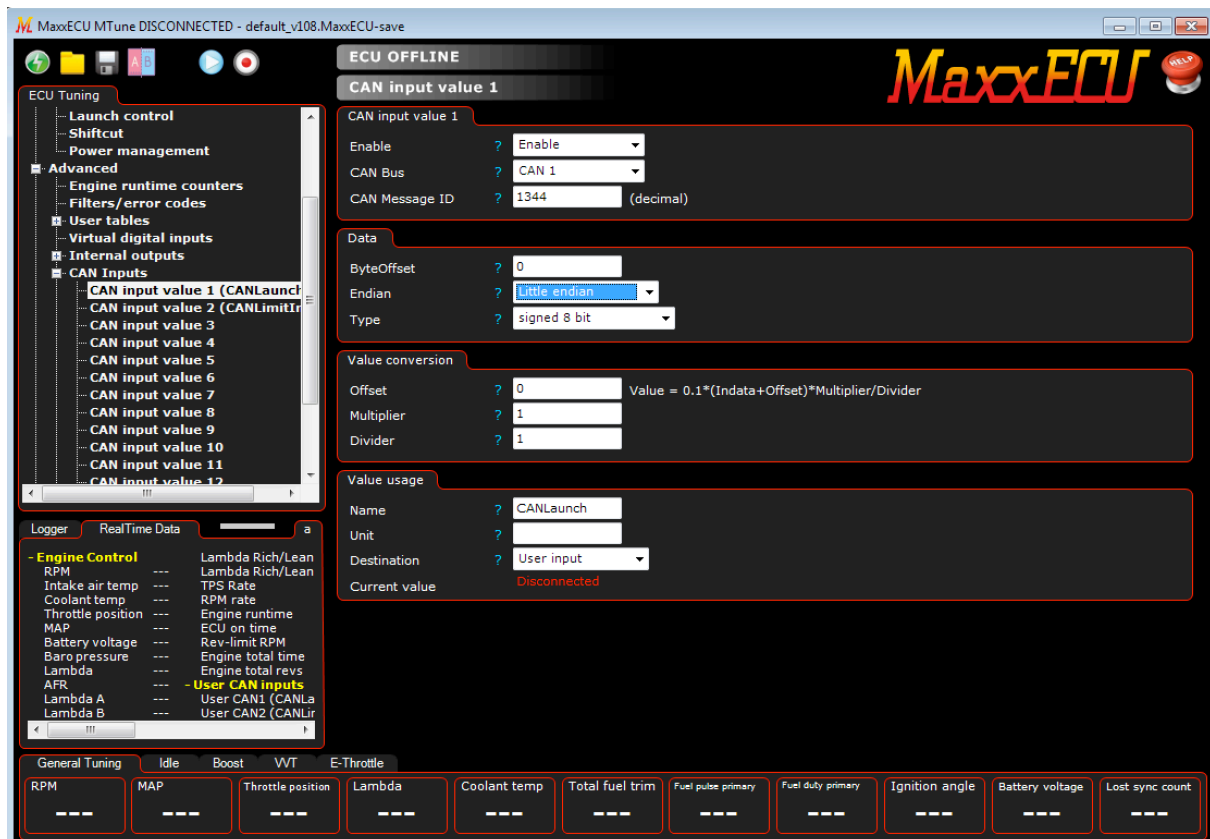
MaxxECU output protocol: enabled
CAN 1 Bitrate: 500kbit

CAN Switching

MaxxECU offer the possibility to receive commands via CAN Bus to execute certain functions such as MAP switch, launch control, flat shift and even engine start-up. First of all, this needs to be set up in addition:

CAN Switching

MaxxECU Steuergeräte bieten die Möglichkeit, Befehle über CAN Bus entgegen zu nehmen und damit bestimmte Aktionen auszuführen, z.B. ein zweites Ladedruckkennfeld, Launch Control, Flat Shift und sogar Motor starten. Folgende Einstellung ist im Steuergerät zusätzlich vorzunehmen:



Define as many switches as you need to setup. CANchecked supports up to 8. The fixed can id is 1344 (hex 540). Increase the byteOffset with each switch by 1 starting with 0.

Afterwards you can assign the functions to the switches. Here you can find some examples:

Bitte so viele Schalter definieren, wie benötigt werden. CANchecked unterstützt bis zu 8 Stück. Die festgelegte CAN Id ist 1344. Das „byteOffset“ mit jedem Schalter um 1 erhöhen und bei 0 starten.

Danach werden die Funktionen dem Schalter zugewiesen. Hier ein paar Beispiele:

MaxxECU MTune DISCONNECTED - default_v108.MaxxECU-save

ECU OFFLINE

Internal output 1

Function name: CANLaunchInput
Description: CANLaunchInput

Condition A
Variable: User CAN1 (CANLaun ... > (greater than) 0 [Inactive]

Output configuration
Output function: A
Turn on delay: 0.0 s
Turn off delay: 0.0 s
Output: Normal
Output flash: No

Input to control
Input function: Launch control switch, enable stage 1 [Help]

Additional input to control
Input function: Not used [Help]

ECU Tuning
Advanced
Engine runtime counters
Filters/error codes
User tables
Virtual digital inputs
Internal outputs
Internal output 1 (CANLaunchInput)
Internal output 2
Internal output 3
Internal output 4
Internal output 5
Internal output 6
Internal output 7
Internal output 8
Internal output 9
Internal output 10
Internal output 11
Internal output 12
CAN Inputs
CAN outputs
Inputs
Outputs

Logger RealTime Data
- Engine Control
RPM --- Lambda Rich/Lean
Intake air temp --- Lambda Rich/Lean
Coolant temp --- TPS Rate
Throttle position --- RPM rate
MAP --- Engine runtime
Battery voltage --- ECU on time
Baro pressure --- Rev-limit RPM
Lambda --- Engine total time
AFR --- Engine total revs
Lambda A --- User CAN inputs
Lambda B --- User CAN1 (CANLa
+ ECU Diagnostics

General Tuning Idle Boost WVT E-Throttle
RPM MAP Throttle position Lambda Coolant temp Total fuel trim Fuel pulse primary Fuel duty primary Ignition angle Battery voltage Lost sync count

MaxxECU MTune DISCONNECTED - default_v108.MaxxECU-save

ECU OFFLINE

Launch control

Launch control
Enable launch control: Enabled
Multi stage launch: Single stage
Activation mode: Switch input (Launch control switch, enable stage 1)
Switch activation delay: 0.0 sec
Switch deactivation delay: 0.000 sec
Disable below TPS: 0.0 %
Disable above speed: 10.0 km/h

Stage 1
Launch start RPM: 3500
Ignition retard RPM range: 300
Power cut RPM range: 100
Power cut: Ignition drop
Extra fuel: 20.0 %
Ignition retard mode: Direct
Ignition retard: -36.0 degrees
Launch boost duty: 0.0 % (only when launch is active)

ECU Tuning
Start
Configuration
Limits
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Ignition
Motorsport
Anti-lag
Launch control
Shiftcut
Power management
Advanced
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CAN outputs
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Tuning

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General Tuning Idle Boost WVT E-Throttle
RPM MAP Throttle position Lambda Coolant temp Total fuel trim Fuel pulse primary Fuel duty primary Ignition angle Battery voltage Lost sync count



If you have additional questions or requests, do not hesitate to visit our website (www.canchecked.de) or get in contact with us via email (info@canchecked.de).

Zu Fragen zum Zubehör und zu Funktionsweisen bitten wir unsere Homepage (www.canchecked.de) zu besuchen oder uns via Email (info@canchecked.de) zu kontaktieren.