

Recipients :	Stoneridge Network
Release date :	September 24h, 2024
Update purpose :	General refresh of the document
Object :	Setting the C-CAN parameters for Remote download (including Mercedes Fleetboard specificities)

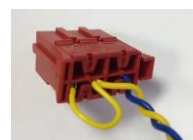
Objective: transmit card and VU data to the transport company fleet management software (such as [OPTAC3Web](#)), via an additional ECU connected to the VU (such as the [DigiDL](#)).

The SE5000 tachograph, from version 7.2, has the capability to communicate with a remote download ECU (FMS unit) on the C-CAN bus. For the FMS to capture the VU and Driver Card data, the VU parameters must be set as described below.

Additionally, the C-CAN connections must be wired as follows:

- C5 is CAN high
- C7 is CAN low

**C-CAN wiring including
CAN termination**



If termination is required, C8 and C7 must be shunt, please refer to **ISO11898**: nominal overall CAN Hi to CAN Low resistance must be **60 Ohms**. After changing any CAN parameters, it is necessary to **disconnect and reconnect the VU Power plug** for the new settings to be activated.

Setting	Value	Description
C-CAN	Enable or Disable	This controls DDS over C-CAN and does not impact Remote Download
C-CAN Type	Standard or Fast Extended	Most current FMS systems will accept Standard . For vehicles equipped with a Fleetboard , this must be set to Fast Extended .
C-CAN Diagnostics (or A-CAN Diagnostics if the RDL device is connected on A-CAN)	ISO	Most current FMS systems will require ISO . Even the Mercedes Fleetboard. Alternatively, older Fleetboard may require the settings MERCEDES .
Remote download activation status	Enable	Remote Download function activation – ENABLE by default
Remote Download C CAN configuration	Enable	Make sure Remote Download A CAN configuration is set to Disable , or vice-versa : activate <i>Remote Download</i> on only one CANBus at a time. Can also be set via VU Menu while in company mode.
Remote download card writing	Disable	Must be set to Disable
Show remote download	No	Can be Yes or No . This will determine whether the driver is aware that a remote download is taking place or not.
Wake-up on CAN	Both	Options: Off , A CAN , C CAN or Both . If this is OFF, Remote Download will require Ignition ON.
CAN Answer Request	Both	Options: Off , A CAN , C CAN or Both . If this is OFF, Remote Download will require Ignition ON.
C CAN TCO States	Enabled IGN On & Off	This will send CAN message PGN FFDE when the driver request a Card Download. The FMS ECU can use this to launch the remote card download.
Enable Driver Card Download Question	Enable or Disable	If set to Enable , at Card Eject the driver will be asked “do you want to download card?” Can also be set via VU Menu while in company mode.
Enable Driver Card Download Menu	Enable	If set to Enable , the driver can go to the PRINT Menu to request a Card download. Can also be set via VU Menu while in company mode.