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PROEMION CANlink mobile 3000 Telematic Device User Guide

**CANlink mobile 3000 Telematic Device
User Guide**

Contents

About this Quick Start Guide

This document is part of the CANlink mobile 3600 series documentation and provides information regarding installation and configuration of the CANlink mobile 3600 and the first steps with the Launch Kit.

The document is intended for qualified technicians and electricians with advanced knowledge in electrical engineering and field bus systems, allowing them to assess the risks and hazards of operating the device and to integrate it into systems with components of other manufacturers.

It provides a quick overview of how to set the CANlink mobile into operation with the DataPlatform when receiving the first device together with our Launch Kit. We also assume, that a DataPlatform account setup has been ordered and the technical contact person at the customer has received the information about the setup completion.

	Machine-CU	CU Platform	Platform – User
Tools	Configurator	PDC builder/XML Editor	Web platform
Configuration is stored as …	DOD file	PDC file	Organisation tree, User management
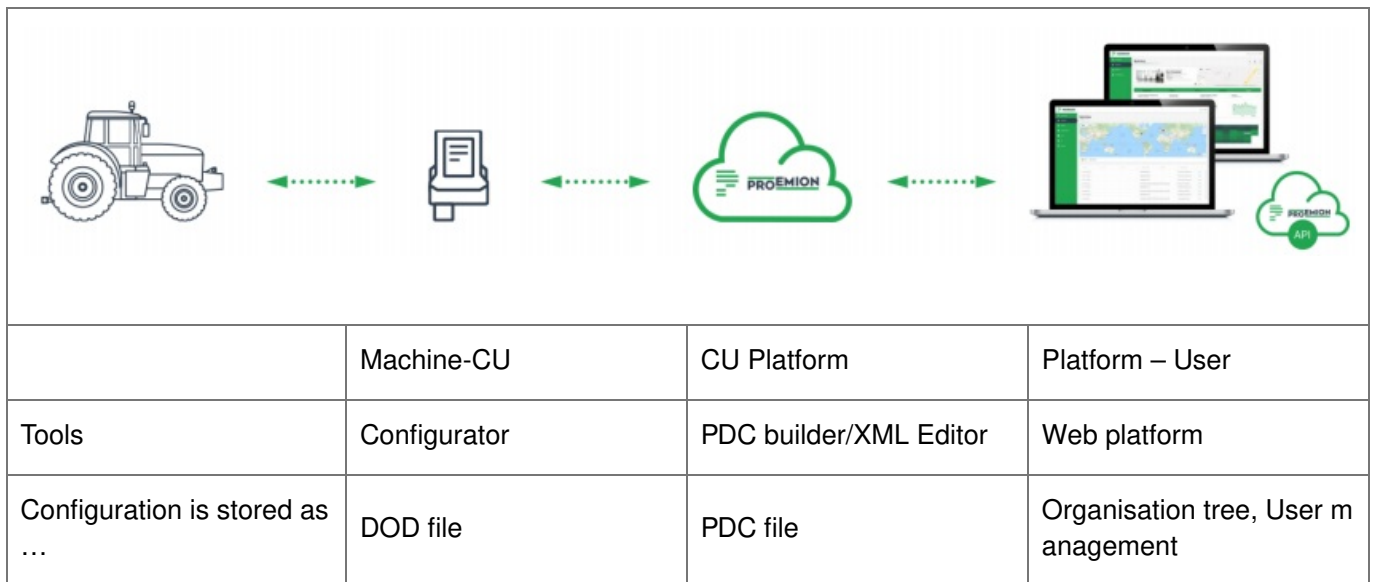
Figure 1. General system overview

1.1. Further information
For a comprehensive information about the several components, please refer to these manuals:

- CANlink mobile Device Manual
- DataPortal User Manual
- PDC Manual

1.2. Onboarding best practice
Due to our experience in integrating a telematics solution into a fleet of machines, we would like to recommend the following best practice for the initial start-up of a CANlink mobile together with your data platform access:

1. Create a laboratory setup with the device and the launch kit or starter kit.
2. Configure the device for your application with our Proemion Configurator software.
3. Activate the device.
4. Create a PDC file to display the recorded signals on the data portal and assign it to the device via the management portal.
5. Check the connection of the device to the data platform and the data transmission and display in your laboratory setup e.g., with simulated CAN messages.
6. Install the device in a real machine and wire it as described in the device manual.
7. Now check the functionality on the real machine.
8. First roll out the new setup on a smaller set of pilot machines to prove the solution before using it in the complete fleet.

This document will guide you through the steps necessary for your initial setup.

Provisioning and GoLive

Provisioning allows you to make a machine with a telematics unit installed available on the DataPortal. The

machine will be visible and during the process you can assign a model and change the machine name, serial number and PIN/VIN.

GoLive is the automated activation of a communication unit (CU) after Provisioning. Once the CU has been activated, it is authorized to connect to the DataPlatform and transfer data.

1. Login to the Proemion DataPortal User Manual

2. Login with your username and password

3. Provision the CANlink mobile to make it visible on your DataPortal account as described in the DataPortal > Provisioning

4. Use DataPortal > GoLive to activate the device and permit DataPortal communication

INFORMATION For the first time login, the initial password must be set. Please use the "Forgot password" function on **DataPortal**. Enter the username which was provided along with the account setup confirmation email. Another email with instructions on how to reset the password will be sent to your email address.
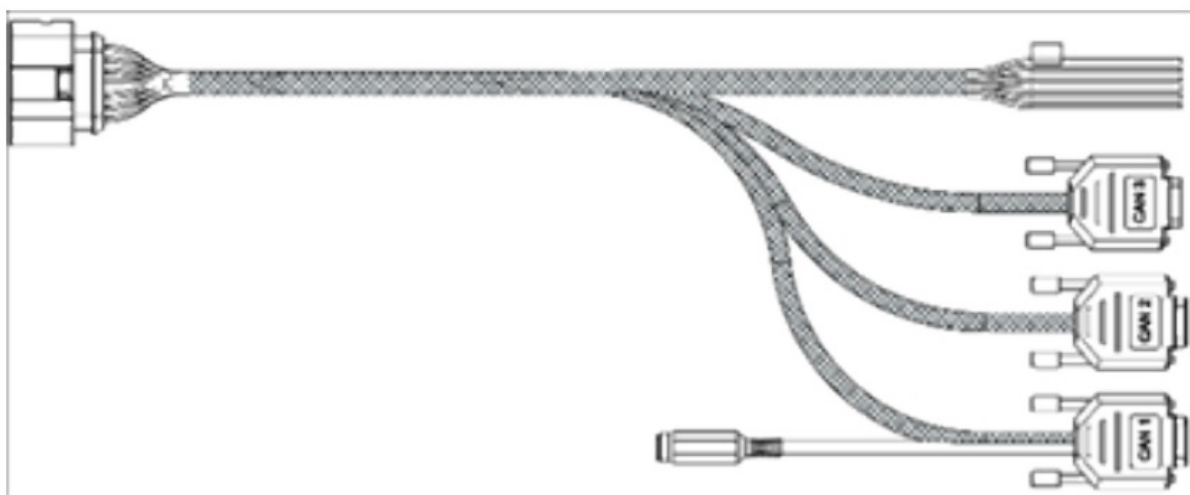
INFORMATION Please note that the activation of the SIM card can take up to 24 hours in exceptional cases.
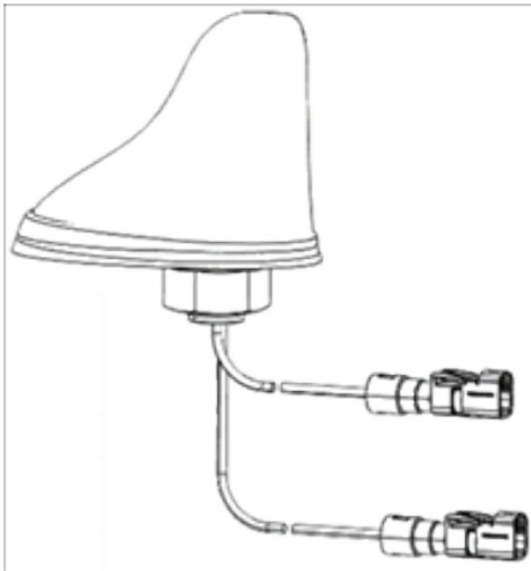
Unpacking the Launch Kit

The CANlink mobile 3600 Launch Kit (253000176) consists of the following components
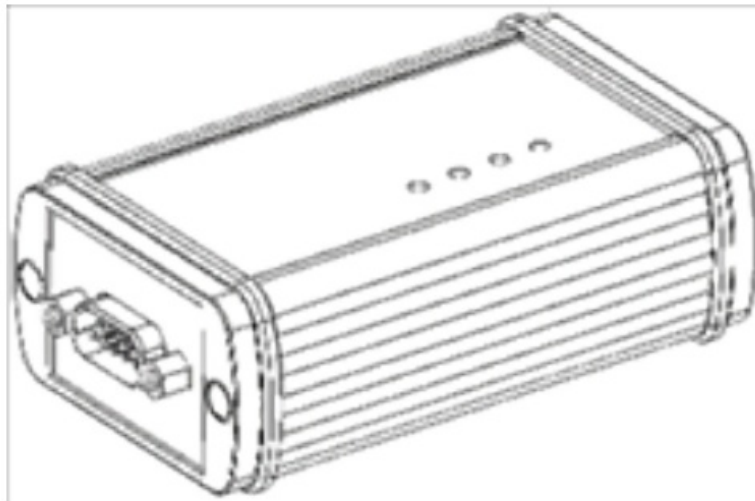**CLM 3600 Starter Cable (136000202)**

Figure 2. CLM 3600 Starter Cable

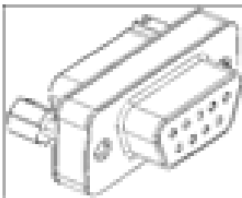**Antenna LTE GNSS DA 3M0 FAKRA-D FAKRA-C FAR (157000109)**

Figure 3. Antenna LTE GNSS DA 3M0 FAKRA-D FAKRA-C FAR
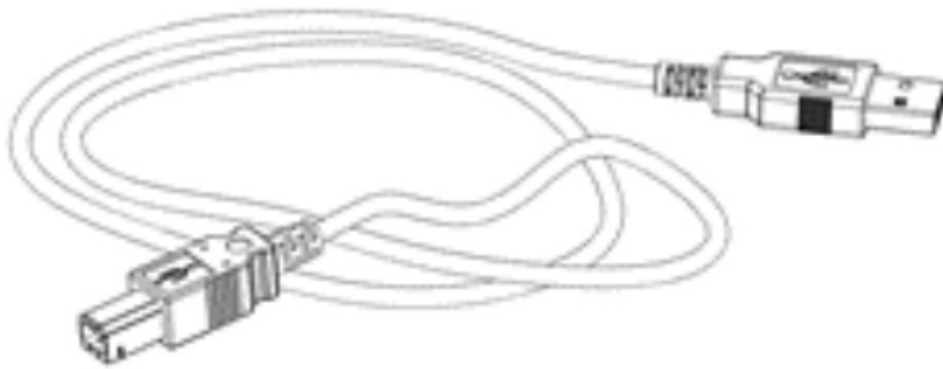
CANview USB (253001014)

Figure 4. CANview USB

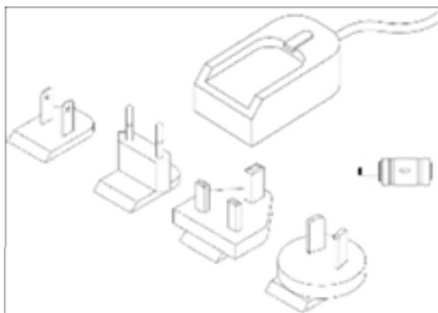**CAN bus terminator D-Sub/D-Sub, 120Ω (157000033)**

Figure 5. CAN Bus Terminator D-Sub/D-Sub, 120Ω
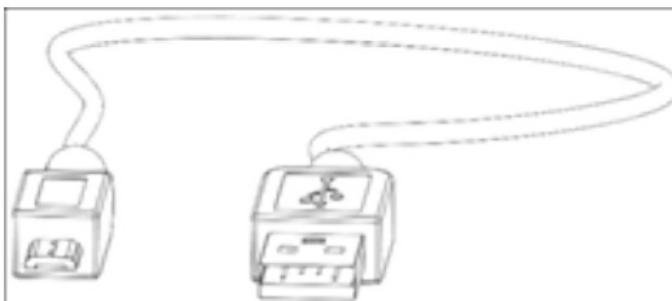
USB Cable for CANview USB (136000119)

Figure 6. USB Cable (CANview USB)

Power Supply Unit With Set Of Connectors (US, EU, UK, AU) and adapter (257004007)
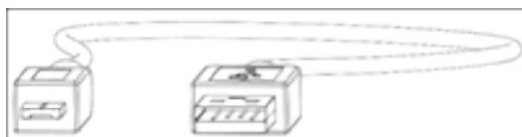

Figure 7. Power Supply Unit With Set Of Connectors (US, EU, UK, AU) and adapter

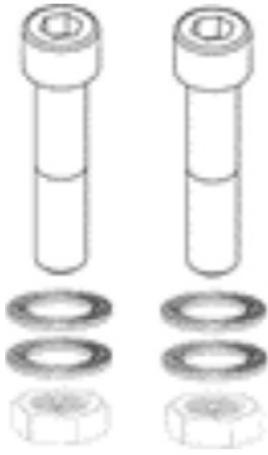**USB Cable (Debugging, Diagnosis), Micro USB Type B (136000138)**

Figure 8. USB Cable (Debugging, Diagnosis), Micro USB Type B

USB Cable (Bootloader, Firmware Update), Micro USB Type A (136000199)
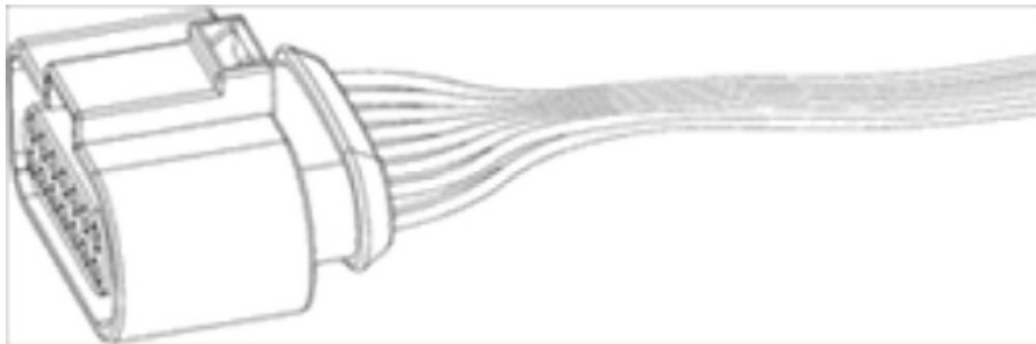

Figure 9. USB cable (Bootloader, Firmware Update), Micro USB Type A

Assembly Set M5 Housing GH1208 (141000017)

Figure 10. Assembly Set M5 Housing GH1208

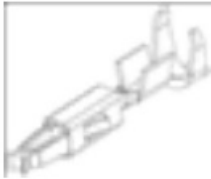**Cable MTII 14pin Code1 14open 2m (136000198)**

Figure 11. Cable MTII 14pin Code1 14open 2m

CANlink mobile 3000 Plug-Kit (132600031)

Figure 12. Connector MT

Figure 13. Contacts (14 pcs)

Figure 14. Single Wire Seal (14 pcs)

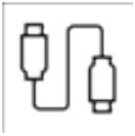*Figure 15. Cavity Blanking Plug (14 pcs)*

Product Information leaflet (144000133)

Figure 16. Product Information Leaflet

For further information regarding the components of the Launch Kit, please refer to the CANlink mobile Device Manual > Launch Kit.

Connecting the Device to a PC

Connect the CANlink mobile 3600 to your PC as shown in the image below. Please use the components from the Launch Kit.
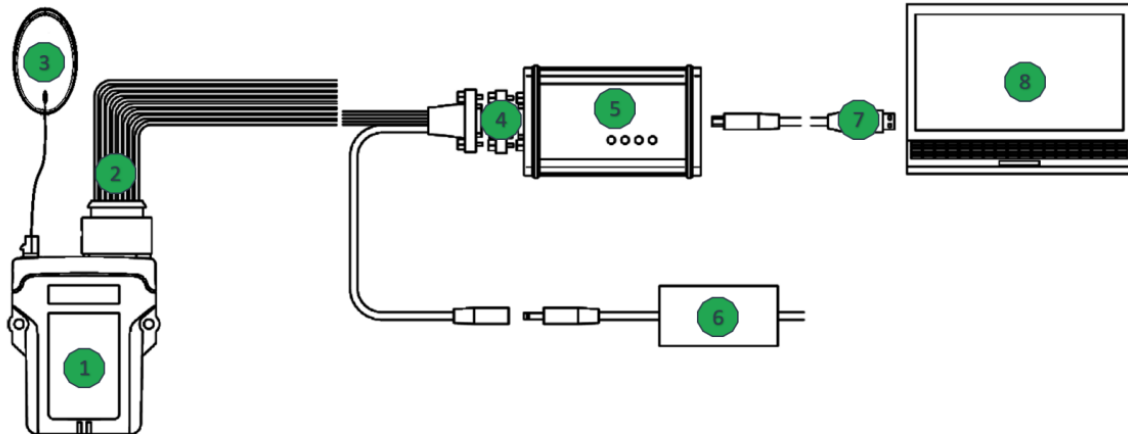

Figure 17. Connecting The Device With A PC

1. CANlink mobile
2. CLM 3600 Starter cable
3. Antenna
4. CAN bus termination resistor 120 Ohm
5. CANview USB
6. Power supply
7. USB cable
8. PC

Please also refer to CANlink mobile Device Manual > Connecting the Device.

ⓘ INFORMATION

Please be aware that the CANlink mobile 3600 is not equipped with an integrated CAN bus termination resistor. The displayed labatory setup above will work with just one CAN bus termination resistor. When doing the system integration at the intended machine, it must be ensured that the CAN bus is terminated with a CAN bus termination resistor of 120 Ohm at each end of the CAN bus line. Please also refer to CANlink mobile Device Manual > Can Bus Termination.

Installing Proemion Configurator

Install the latest version of the Proemion Configurator from our **Download Center**.

Proemion Configurator

Version ▮▮▮▮

ℹ️ In case of problems, the **Connectivity Check** utility can be used to check the connectivity of our software tools with our services from your site's network.

Installing Demo Configuration

A demo configuration for your CANlink mobile type is available at our **Download Center**
Open the corresponding demo configuration file named like clm36xx_Proemion_DemoConfig.DOD with the Proemion Configurator software.
Install the configuration to the device as described in CANlink mobile Device Manual > Configuration Update.
For further information on how to create a customized device configuration, please refer to the CANlink mobile Device Manual > Customtizing Demo Configuration File.

Perform a functional Test

This work step is aimed to simulate the configured CAN messages with a CAN Monitor software and its corresponding CAN-PC gateway.
In this case you can use the RM CAN Device Monitor and the CANview USB for a functional test. Other CANPC gateways and software may also work for this test.
Install the RM CAN Device Monitor which can be found in the **Download Center** at folder 157002059_PROEMIONtools_CD\05_Utilities\01_RM CAN Device Monitor.
Ensure that the device is wired according to chapter Connecting the Device to a PC.
Cyclic send a few sample CAN messages which are configured within the installed configuration of the CANlink mobile in the Receive CAN Messages section.

Table 1. The following messages can be used for test:

J1939-PGN	SPN	CAN ID	Type	DLC	Data Bytes	Signal
61444	190	0x18F00400	Ext	8	00 00 00 80 25 00 00 00	= 1200 rpm
65262	110	0x18FEEE00	Ext	8	7D 00 00 00 00 00 00 00	= 85°C

Check the status LEDs of the CANlink mobile. The device should be powered on and indicate reception of CAN messages. Please also refer to CANlink mobile Device Manual > Indicator Elements.

In case that there is access to a real machine which is also transmitting the configured CAN messages, the CANlink mobile 3600 can be also connected to the corresponding CAN bus.

Notice CAN bus errors possible! Please make sure that the configured CAN baud rate is matching the controller CAN baud rate of the machine.

Check and adjust DataPortal

In the last step you check and adjust the DataPortal appearance for your machine's signals.

- Login to your DataPortal account
- Ensure that the customer default model with the demo PDC is assigned to the machine
- Check the displayed signals for your Machine within the DataPortal.
- Modify the machine details page with customized widgets according to your preferences. Please also refer to the DataPortal User Manual>Widget Introduction/Catalog.

To get further information about creation and adjustment of customized PDC files, please refer to the DataPortal User Manual>Administration Menu>PDC Management.

Version: 11.0.335

Documents / Resources

PROEMION CANlink mobile 3000 Telematic Device [pdf] User Guide
CANlink mobile 3000, Telematic Device, CANlink mobile 3000 Telematic Device

References

- [📄 Portal](#)
- [📄 Network Connectivity - Proemion](#)
- [📄 Sharing Link Validation](#)

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