



CAN-LIN Gateway

Quick start guide

27/10/2023
V 2

1 Safety

This Quick Start Guide is intended to support safe handling of the CAN-LIN Gateway.

Observe the safety instructions:

WARNING! Risk of injury from electric shock. Disconnect the vehicle negative cable prior to Installation.

WARNING! Fire hazard due to short circuit: Secure your vehicle with an additional fuse installed near the unit.

NOTE! Penetrating water can damage the unit: Prevent water from entering the housing during cleaning.

NOTE! The unit is designed for interior use only. Do not mount the unit outside the vehicle.

NOTE! Installation must only be carried out by qualified electricians.

2 About this product

The CAN-LIN Gateway provides the most important data of the LPS II on the CI bus and therefore allows the LPS II to be integrated into a CI bus on-board management system.

In addition to information on current, voltage and power for solar, vehicle power circuit and external feed, the charging status of the LPS II is provided on the CI bus. In the same way, the 230 V/12 V output as well as the jump-start function of the LPS II can be switched on and off.

3 Package contents

No.	Name
1x	CAN-LIN Gateway
1x	Quick start guide

4 Accessories (optional)

CAN-LIN Gateway connection cable to LPS II

Part number	1601001136
Cable length:	5 m
Connections:	open cable end on M12 connector

5 Technical specifications

	CAN-LIN Gateway
Part number	1051009024
Power consumption	18 mA
Voltage range	9.8 V ... 14.6 V DC:
Temperature range	-20 °C ... +75 °C
Protection class	III
Housing	7-pin relay socket housing
BUS system connections	CAN bus/LIN bus
Dimensions (L x W x H)	60 mm x 30 mm x 30 mm
Weight	30 g

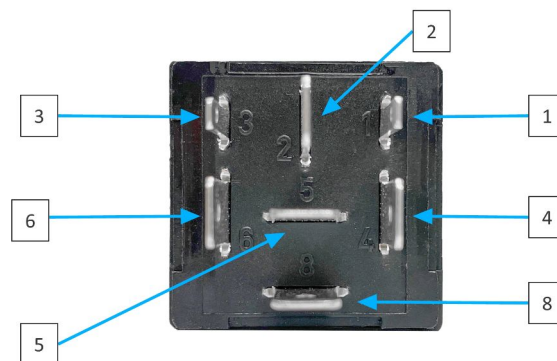
6 LIN bus parameters

The following commands and information can be transmitted or controlled via the LIN bus system:

Information		Command
12 V/230 V input current	Capacity:12 V/230 V/solar	Switch 12 V/230 V output on/off
12 V/230 V output current	Operating status	Switch emergency start function on/off
12 V/230 V input voltage	Error levels	
12 V/230 V output voltage	Error codes	
Solar power	Firmware version	
Solar voltage	Hardware version	
Battery temperature	Serial number	
Battery current	Residual time	
IO signals	Residual capacity	
SoC (State of Charge)		

7 PIN assignment

CAN-LIN Gateway



Pin	Assignment	Description
1	Terminal 31	Ground (earth)
2	CAN (High)	CAN-Bus High
3	LIN	LIN bus
4	Terminal 31	Ground
5	CAN (Low)	CAN-Bus Low
6	n. a.	Not assigned
8	Terminal 30	12 V DC:

M12 connector of the connection cable (accessories)



PIN	Assignment	Description	Core colour
1	Not assigned		
2	Battery positive	12 V DC:	Black
3	GND	Ground	Brown
4	CAN (High)	CAN-Bus High	Blue
5	CAN (Low)	CAN-Bus Low	Grey

8 Installation

To install the unit, proceed as follows:

NOTE! To ensure the smooth operation of the CAN-LIN Gateway, make sure that the Gateway and the LPS II are at the same ground potential (GND).

✓ A 5-pin M12 connector is available.

1. Connect pin 3 (LIN) of the gateway to the LIN connection point of the CI bus.
 2. Connect pin 2 (CAN (High)) of the gateway to pin 4 of the M12 connector.
 3. Connect pin 5 (CAN (Low)) of the gateway to pin 5 of the M12 connector.
 4. Connect pin 8 (12 V DC) of the gateway to pin 2 of the M12 connector or the 12 V connection point of your vehicle.
 5. Connect pin 1 or pin 4 (GND) of the gateway to pin 3 of the M12 connector or the ground of your vehicle.
 6. Connect the M12 plug to the remote connector of the LPS II.
- ⇒ The unit is installed.

9 Disposal



Dispose of the device in accordance with the Waste Electrical and Electronic Equipment Regulations (WEEE).

The system must not be disposed of with household waste. Take it to a recycling point or return it to your point of sale.