VAN SERVICE TOWBAR

TOWING HITCH SERVICE INTERFACE

- CANBUS 2.0 AND CANBUS FD DEVICE
- UPDATABLE FIRMWARE
- COMBINED CANBUS/LINBUS CONNECTION
- MULTIPLE COMPATIBILITY



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TOWING HITCH SERVICE INTERFACE

VAN SERVICE TOWBAR is an intelligent electronic unit **able to communicate with the vehicle's central control system by detecting signals transmitted via the CAN bus, including:**

- **position lights**
- **stop lights**
- **other visual warning signals**

The unit then accurately replicates these signals on the accessory connected to the towbar, such as a bicycle carrier, motorcycle carrier, or other towing accessory.



VAN SERVICE TOWBAR requires significantly fewer wire connections than conventional control units. Vehicle identification via the vehicle's data network is performed completely automatically.

No configuration is required using DIP switches, Bluetooth apps, or any other setup procedure.

ONE TOWBAR, INFINITE POSSIBILITIES

VAN SERVICE TOWBAR is compatible with:

- **Small utility trailers**
- **Boat trailers**
- **Motorcycle trailers**
- **Animal trailers**
- **Tent trailers**
- **Cargo trailers**
- **Towable luggage carriers**
- **Equipment trailers**





CANBUS 2.0, CANBUS FD AND LINBUS SUPPORT

VAN SERVICE TOWBAR integrates a driver compatible with **LIN BUS, CAN BUS 2.0 and the latest CAN FD.**

Compatibility with CAN FD makes the unit ready to communicate with next-generation vehicles equipped with this technology.

Thanks to its compatibility with the most widely used communication buses, **VAN SERVICE TOWBAR simplifies installation by reducing the number of wires** to be connected and the time required to complete the installation.

There is no need to use a dedicated control unit for each vehicle model: VAN SERVICE TOWBAR can be installed on a wide range of vans and motorhomes, simplifying installation and reducing the need to manage multiple vehicle-specific control units.

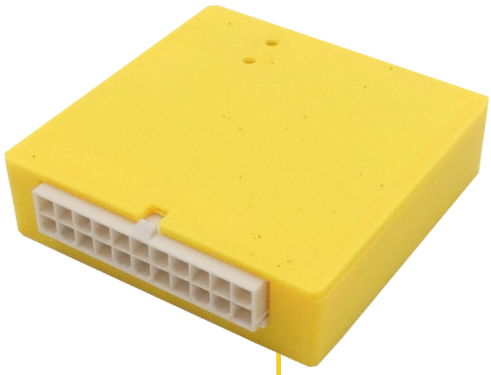
ONE SOLUTION FOR ALL TYPES OF VANS AND MOTORHOMES!

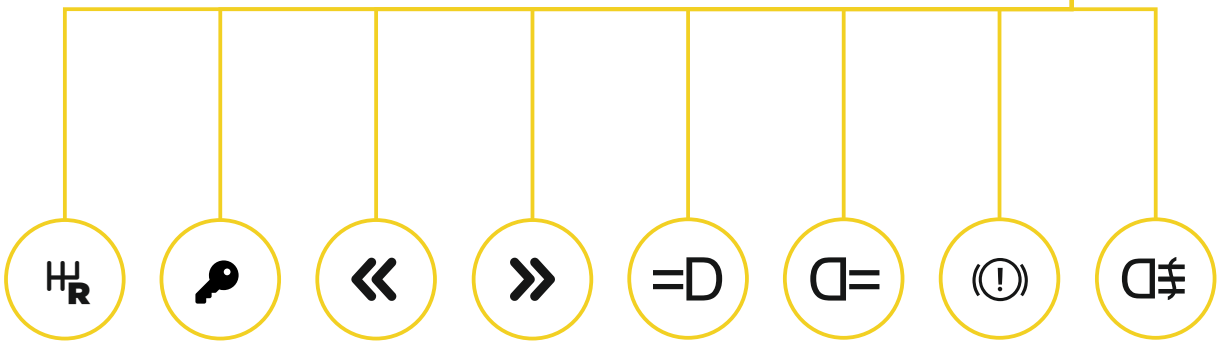
CAR COMPATIBILITIES

BRAND	MODEL	YEAR
Fiat	Ducato	2021 ->
Mercedes	Vito	2021 ->
Mercedes	Sprinter	2022 ->
Ford	Transit	2025 ->
MAN	TGE	2024 ->

8 AVAILABLE OUTPUTS

- **Left turn signal 12V - 25W**
- **Right turn signal 12V - 25W**
- **STOP lights 12V - 50W**
- **Left position lights 12V - 7W**
- **Right position lights 12V - 7W**
- **Reverse light 12V - 50W**
- **Rear fog light 12V - 25W**
- **Ignition ON 12V - 25W**





The 8 available outputs provide exceptional versatility and complete control over the lighting signals of the towbar-mounted accessory, ensuring clear visibility to other road users and

enhancing the safety of both the vehicle and its passengers.

EASY INSTALLATION

There is no need to tap into the vehicle's rear light signals, as VAN SERVICE TOWBAR already provides all the signals required for installation.



COMPATIBLE WITH TOWING CONNECTORS (ISO 11446)

The module provides all the outputs required for the installation of a 13-pin towbar connector.

It also **provides a switched 12 V positive supply, which is particularly useful for caravan applications.**



SHORT-CIRCUIT PROTECTION

The module hardware features an integrated short-circuit protection system, safeguarding the unit against faults caused by incorrect installation.



WIRING HARNESS AND 13-PIN SOCKET INCLUDED

VAN SERVICE TOWBAR is supplied with a loose-wire wiring harness and 13-pin socket, providing **greater compatibility across different applications and allowing for a customized installation.**

CANBUS + ANALOG SYSTEM

VAN SERVICE TOWBAR uses all the information available on the vehicle's data network to provide the outputs required for the towbar.

The module is also equipped with 4 customizable analogue inputs, which can be programmed to override the module's internal logic.

This allows the system to compensate for any missing vehicle data or enables the installer to customize the module's operation according to specific requirements.



COMPATIBLE WITH CONVENTIONAL BULBS AND LED LIGHTING

The power outputs provided by VAN SERVICE TOWBAR are compatible with accessories equipped with both conventional lighting systems and LED lights.



BULB FAILURE MONITORING (C2)

The module integrates a trailer **bulb monitoring system and a buzzer to alert the user** in the event of a lighting failure.

ADDITIONAL FUNCTIONS

The module features additional functions that can be enabled or disabled by the user, including:

- **Use of the position lights as turn signals in the event of a failed turn signal bulb**
- **C2 bulb monitoring activation**
- **Indipendent control of the rear fog light, separate from the vehicle's rear fog light**
- **Automatic Trailer Detection: When the ignition is switched on, the module detects whether a trailer is connected. If a trailer is detected, the cut-off function is activated to disable the parking sensors.**





FIRMWARE UPDATES

VAN SERVICE TOWBAR can be easily updated to support new vehicle communication protocols.

This allows its functionality and compatibility to be expanded even after purchase.



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