flinkey Digital Vehicle Access CAN Box User Manual

MANUAL flinkey CAN Box
User Manual

Contents

1 Intended use
2 Technical Data
3 Assembly
4 Function
5 Installation manual
6 Disposal
7 Documents / Resources
8 Related Posts

Intended use

The flinkey CAN Box is a smart actuator whose task is to lock or unlock a motor vehicle after receiving a corresponding command. Locking or unlocking takes place by electromechanically operating the original, unmodified vehicle key.

Technical Data

- Technical Data Sheet

  Connector: TE-1418888-5

  12 VDC, 3 A

Assembly

Better: Drawing with open enclosure/ drawer
The vehicle key is positioned in the box via a type-specific key bed, which is accessible via a drawer.
Above the key bed, an electromechanical device is installed in the box, which, driven by a camshaft, actuates the buttons for locking and unlocking by drag levers. Furthermore, the flinkey CAN Box provides both a BLE and NFC gateway, which can then be used exclusively by the partner device as an additional communication interface. There is also a RF sniffer integrated.

Function

Without a partner device, the flinkey CAN Box has no function; without a connected partner device, both the logic and the power supply are missing.
The corresponding commands must be defined with the respective partner and integrated into the firmware of the flinkey CAN Box.
The commands are sent via a well-defined wired communication (CAN communication using four wires – plus and minus line, as well as two communication lines).
The key bed for the vehicle key is equipped with white and red LEDs, which can be used for status indication.

Partner device
With the help of the flinkey CAN Box, it is possible to expand an existing partner device to include the functionality of locking and unlocking a vehicle.
These partner devices are usually so-called TCUs (Telemetry Control Units), which map the entire logic (user administration; authorisations). The partner device therefore decides what the flinkey CAN Box has to do and when, by sending the partner device the corresponding command.

Installation manual

Since the flinkey CAN Box is connected to the partner device by cable and, depending on the type of vehicle, it is necessary to remove the vehicle key, the possible installation positions are limited.
As a rule, a fixed position of the flinkey CAN Box in the glove compartment, under the driver's or passenger's seat, or in the boot makes sense.
The installation of the partner device and flinkey CAN Box should be reserved exclusively for trained personnel.
→ Installation manual

Disposal

Unless a take-back or disposal agreement has been made, recycle dismantled components:

- Scrap metals.
- Send plastic components for recycling.
- Dispose of remaining components sorted according to material composition.

NOTE!
Environmental damage due to incorrect disposal!
Electrical scrap, electronic components, lubricants and other auxiliary materials are subject to special waste treatment and may only be disposed of by authorized specialist companies!

Documents / Resources

	flinkey Digital Vehicle Access CAN Box [pdf] User Manual FC80, V2TFC80, Digital Vehicle Access CAN Box, Access CAN Box, Digital Vehicle CAN Box, CAN Box, Box