

CANopener™ *FLASH*



CANOPENER FLASH

Owner's Manual

[Abstract](#)

This manual covers the function and use of the CANopener Flash.

Revision History

Version	Revision Description
1.00	Initial Release
1.01	Added multi-target functionality
1.02	Added multi-vehicle functionality
1.05	Added Intelligent reset logic
1.06	First public release
1.09	Added output for remaining uses / lock status

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1 Overview

Thank you for choosing to purchase the CANopener™ Flash from 4D Tech, Inc! The CANopener Flash, part of the CANopener line of products was created to be simple, quick and easy to use. This standalone handheld programmer allows anyone to enable functionality in their vehicle without expensive equipment or technical knowledge.

Feature Listing

The CANopener Flash is sold under numerous part numbers, each allowing for different programming applications based on the included license. Below is a list of some of the core features all models have.

- Multi License Support
- Advanced Programming Support
- Intelligent Do-Over
- Foolproof Design and Operation

Multi License Support

Each time the CANopener Flash is used, it records data about the connected vehicle to track the number of uses. Although most models are designed for one use, it can be provisioned to support programming of up to 20 vehicles!

Advanced Programming Support

Need more than one module programmed in a vehicle? The CANopener Flash can program more than one module – automatically.

Intelligent Do-Over

Intelligent Do-Over allows you to re-use your CANopener flash on the same vehicle(s) again in the case that the programming changes were inadvertently over written. This is handy in cases where the dealership may have re-flashed your vehicle for a TSB or if the part programmed was replaced.

Foolproof Design and Operation

The CANopener Flash was built with simplicity in mind. Simply plug it in to the OBD-II port and let it do the work! The intuitive LED indicators make it simple to know what happened and when it is safe to remove from the vehicle.

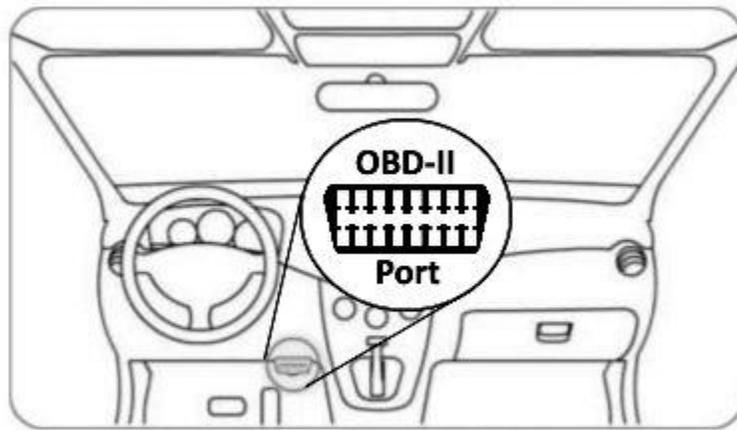
What is Included

Although the CANopener flash is included as a component of many kits, the programmer is self-contained and has no cables or accessories.

2 Use & Operation

Insert

Simply insert the CANopener Flash into the OBD-II port. Although the placement changes slightly from vehicle to vehicle, it will always be on the driver's side, below the steering wheel. Sometimes there will be a cover that must be removed by hand to access it.



Once successfully connected to the vehicle, you will see a blinking BLUE light while programming is in progress.

NOTE: As the device powers up after being plugged in, it will blink all three lights equal to the number of licenses remaining (remaining number of new vehicles that can be programmed). If you do not see all three light blink, then all licenses are used.

Remove

The CANopener Flash will present a solid GREEN light, indicating that programming was successful or a RED light if there was an error. In most cases, the module being programmed will reset. This might manifest in a blank screen or abnormal behavior while the reset takes place - this is to be expected.

If you get a RED light (indicating an error occurred), consult the troubleshooting section of this manual.

3 Troubleshooting

Problem Reporting Instructions

If you have any questions or issues with this product or the installation, please contact the place in which you purchased it from. If it was purchased direct from 4D Tech, the feel free to contact us by emailing support@4dtech.com, or calling us at (800) 323-3050. Please have your order number ready.

No lights are present when CANopener Flash is plugged into the OBD-II port.	This indicates that there is no power at the OBD port. Make sure the fuse for the OBD port is not blown & verify that the vehicle is a supported Make and Model.
The light is <u>solid</u> RED.	This indicates that you have already used this device on another vehicle (or have reached the maximum number of vehicles that are licensed) and that it cannot be used on the vehicle it is currently plugged into.
The light is <u>blinking</u> RED.	This indicates that there was an internal error. Please contact us for support.
The light is GREEN but it does not seem to have worked.	Many modules require a reset. This reset is automatically issued by the CANopener Flash. Be patient as some modules take over 1 minute to reset.

4 Technical Details

Physical

- Length (max) 1.996"
- Width (max) 1.811"
- Height (max) 0.878"
- Weight 0.95 Oz

Power

- Input Voltage (nominal) 7-20 VDC
- Input Voltage (surge) 35 VDC
- Current draw (nominal) <250 mA

Protection

- Over Current
- Over / Under Voltage
- Thermal

Compliance

- RoHS Compliant

Temperature

- -65°C to +125°C