

CAN-Spy® - "The Simple CAN-Bus Tool"

by Lipowsky



Overview

CAN-Spy® is a compact and easy-to-use CAN-bus diagnostic and simulation tool that dramatically speeds up and simplifies the engineering process. An asset in both automotive and industrial environments, the CAN-Spy® transmits and displays CAN messages. Its real time-saving benefit comes from its ability to scale and display data in engineering units with text names – no more tedious manual scaling and conversions!

The tool can be used in stand-alone mode, or it can be controlled with a PC via a RS-232 link and optional software. CAN-Spy® messages are capable of linking to real world analog and digital I/O via a DB-25 connector for real-time stimulus and measurement.

CAN-Spy® Operation

CAN-Spy® is controlled with a single push-button, rotating knob. Menu items are highlighted as the knob is turned. A quick push of the knob activates the selected menu item, allowing single handed operation. Everything from message IDs to filter settings can be entered using this simple turn and push user interface.

```
S FFEFFFE AB OA CD 00 EE FF DD 1B 01411
S FFEFFFE AB OA 00021
 FFEFFFE AB OA CD 00 EE FF DD 1B 01411
 FFEFFFE AB OA CD 00 EE FF DD 1B 01411
 FFEFFFE AB OA CD 00 EE FF DD 1B 01411
 FFEFFFE AB OA CD 00 EE FF DD 1B 01411
 FFEFFFE AB OA CD 00 EE FF DD 1B 01411
R FFEFFFE AB OA CD 00 EE FF DD 1B 01411
MONITOR TERMINAL INSTRUMENT SENDER >
```

Display

Operating modes and CAN-Bus messages are displayed on an 8-line by 40-character LCD display with a backlight for easy night viewing.

Capabilities

- Monitor Bus with Filters and Triggers
- Define Triggers, Filters, Messages, and more
- Send Messages
- View Data in Standard Engineering Units
- Analog and Digital Input/Output
- Setup CAN Bus Timing and Properties
- Assign Message Sources
- Debug Software in Terminal Mode
- Link to PC with a Standard RS-232 Cable
- Select 11 or 29 Bit Identifier

Specifications

Bus Interface:	CAN-C 2.0 A / 2.0 B CAN-B with Optional Adapter Male DB-9 (CiA Pinout)
Baud Rate:	10 K Bit to 1M Bit
PC Interface:	RS-232 DB-9, Optical Isolation
Memory:	512Kb with Battery Backup
Weight:	3.5 Pounds
Dimensions:	9" x 6" x 2" without Handle
Power:	330mA at 12v with Backlight On

Available Options

- CAN-B to CAN-C Adapter
- DBC file Support w/CSpy-RC Plus
- PC Software w/CSpy-RC

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