

VividCAN

Using VividCAN

The color display works with our customizable CoreMini scripting engine to run Graphical Panels and scripts standalone in the device, giving you access to Vehicle Spy's advanced operations when you take the VividCAN in the car with you. The VividCAN can also be used as a bench tool, enabling you to transmit and receive live on the CAN network without using a PC. The device includes CAN switch support, allowing it to be configured to use HS CAN, LSFT CAN or SW CAN.

The two main methods of displaying customized information on the touchscreen are:

- Log Data: CoreMini Function Block action
- Graphical Panels: Set up in Vehicle Spy

Fast Boot!

Because the VividCAN runs without an operating system, the device starts up in firmware and even loads a CoreMini in less than one second. No more waiting for an expensive tool to start up while your CAN network already has messages being sent!

Ready to Work When You Are

The VividCAN has a large internal flash memory that stores device settings and applies them at boot time. Parameters such as LCD brightness, color theme and the last viewed page are saved automatically. The next time the VividCAN boots up, it will pick up right where you were when you last used the device.

Features

- Color display: 480x272, 16-bit color
- Capacitive touchscreen with 5-point multi-touch
- Instant feedback and interactivity
- Up to 16 Graphical Panels, each with up to 64 controls (subject to change and limited to overall 64 kB CoreMini size)
- HS CAN, LSFT CAN, or SW CAN, selectable via CAN switch
- Transmit and receive through Vehicle Spy or CoreMini
- CAN termination toggle, set in software
- DB-9 to OBD-II connector
- Micro-USB for PC connection to Vehicle Spy
- RAM mount compatible for in-car mounting
- Battery-backed real-time clock (RTC)
- Audible feedback from a 5V buzzer

Features integrated with Vehicle Spy

- Connect to Vehicle Spy over USB
- Run CoreMini standalone on the device
- Show real-time data from CoreMini Log Data function
- Port Graphical Panels to your VividCAN
- 4 on-screen switches for input to CoreMini
- 1 audio-buzzer configured as PWM Output 1

Ordering Information

Part Number	Description
VIVIDCAN	VividCAN device

Specifications subject to change; please contact Intrepid for the latest information. All trademarks are the property of their respective owners.

Device Specifications

- Low power consumption: 175-225 mA during general use, dependent on LCD screen brightness setting
- Power supply: 5-40V operation
- Temperature range: -40°C to +70°C (with display)
- One-year limited warranty
- Field-upgradeable flash firmware
- Microsoft-certified USB drivers

Network Specifications

- 1x HSCAN - TJA1043 transceiver, speeds up to 1 Mb/s
- 1x LSFTCAN - TJA1055 transceiver, speeds up to 125 kb/s
- 1x SWCAN - MC33897 transceiver, low or high speed modes (33 kb/s or 83.33 kb/s)
- CAN switch multiplexer: software-controlled selection of 1 CAN network

26-Pin Connector Pinout

Pin	Description	Pin	Description
1	SWCAN	6	GND
2	HSCAN L	7	HSCAN H
3	GND	8	LSFTCAN H
4	LSFTCAN L	9	VBATT
5	GND		

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