



VNA2-ELD

J1939 to Bluetooth

Overview

The VNA2-ELD, with **Binary Boost™**, is a high-performance low latency vehicle network adapter. It allows any host device with a Bluetooth connection to simultaneously communicate on all three vehicle networks (J1939, J1708, and OBD-II).

The VNA2-ELD supports dual J1939/OBD-II/CAN interfaces, with auto baud detection, and a single J1587/J1708 interface. All interfaces are certified for zero packet loss with continuous 100% bus load.

Power Savings

All VNA devices (VNA2-ELD, VNA2-WiFi, VNA2-USB, and VNA2-Mini) avoid vehicle battery drain by entering deep sleep mode when idle.

Binary Boost™

Binary Boost™ is a simple and efficient technology for doubling the bandwidth between the host and VNA2-ELD.

Features

- J1587/J1708 x1, with 5.2.2.1 compliance
- J1939/OBD-II/CAN x2, with ABAUD (250K/500K)
- Bluetooth 4.1 up to 3Mbps with Android support
- BLE with iOS support
- 100 message filters or pass-all mode
- Collision detection, with automatic retries
- Field programmable
- Load dump and reverse bias protection
- Deep sleep mode (optional)
- 8MB of Flash, 2KB of EEPROM
- GPS & GLONASS (optional)

Simma Software, Inc. specializes in real-time embedded software for the automotive industry.

Products and services include protocol stacks, bootloaders, device drivers, training, and consultation on the following technologies:

J1939, CAN, J1587, J1708, J2497, J1922, ISO 15765, CANopen, UDS, XCP, LIN.

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