



VNA-BT

CAN bus to Bluetooth

Overview

The VNA-BT, 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.

The VNA-BT supports dual CAN bus interfaces (includes J1939, ISO 15765, and OBD2), 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 (VNA-BT, VNA-WiFi, VNA-USB, and VNA-SA) avoid vehicle battery drain by automatically entering deep sleep mode when idle.

Binary Boost™

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

Features

- Dual CAN bus interfaces, up to 1Mbps
- J1587/J1708 x1, with 5.2.2.1 compliance
- Wireless Bluetooth 2.1 interface up to 3Mbps
- Internal message buffering
- 200 message filters or pass-all mode
- Collision detection, with automatic retries
- Field programmable
- ISO11898 compliant
- Automatic deep sleep mode (< 1mA)
- Load dump and reverse bias protection

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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