



**SAVANT
TECHNOLOGY**
IMAGINATION TO REALITY



Savant DataLink BLE NMEA2000 - Gateway

Bridge the Gap Between BLE and NMEA2000

Savant Technology is where imagination becomes reality. We are a cutting-edge engineering and development firm bringing bold innovation to the marine, RV, and fleet industries. With over 100 years of combined experience, our team builds and delivers next-generation systems, components, and services to solve the real—and unrealized—challenges across the field.

The Savant DataLink BLE NMEA2000 - Gateway, enables seamless integration of BLE-based device data into the NMEA2000 protocol. Designed specifically for the marine industry, this innovative gateway empowers manufacturers to bring their BLE-enabled products into the NMEA2000 ecosystem—effortlessly and efficiently.

Why It Matters

NMEA2000 is the standardized communication protocol that powers digital telemetry across marine dashboards, multifunction displays (MFDs), and onboard systems. Until now, integrating BLE (Bluetooth Low Energy) devices into NMEA2000 has been not available.

Savant Technology saw the challenge—and the opportunity. The result is the Savant DataLink BLE NMEA2000 – Gateway, a purpose-built device that translates BLE data into NMEA2000 messages, making BLE-enabled devices fully interoperable with existing marine electronics.

Key Features

- **Preloaded PGNs:** All approved NMEA2000 Parameter Group Numbers (PGNs) are pre-coded into the gateway for immediate use.
- **Simple Onboarding:** Use the Savant Gateway App to authorize BLE devices with a secure handshake to the NMEA2000 bus.
- **System-Wide Visibility:** Once connected, data from your BLE devices appears instantly across all MFDs and devices linked to the NMEA2000 network.
- **Two-Way Communication:** Supports control signals from NMEA2000 back to the BLE device—if the manufacturer has enabled this capability (see app for details).

The Bottom Line

The Savant DataLink BLE NMEA2000 – Gateway delivers what the marine industry has long needed: a fast, reliable, and user-friendly way to connect BLE technology to the NMEA2000 network. It accelerates integration, expands compatibility, and unlocks new possibilities for smart marine solutions.





Technical Specifications

Specification	Details
Power Supply	NMEA2000 Hardwire
Supply Voltage of (Link)	9 to 35V DC
Supply Current	< 25mA @ 12V DC
Supply Protection	Continuous reverse polarity protection and load dump protection (meets SAE J1113)
Supply Connector	NMEA2000 M12
Supply Voltage (NMEA 2000 Port)	9 to 29V DC
Supply Current (NMEA 2000 Port)	< 20mA @ 12V DC from NMEA 2000 bus
Supply Protection (NMEA 2000 Port)	Continuous reverse polarity protection and overvoltage protection to 40V
NMEA 2000 Port – In/Out Compatibility	NMEA 2000 certified
Speed / Baud Rate	250kbps
NMEA 2000 Connector	M12 male (A coded) connector
Voltage Range	0 to 35V DC
Input Impedance	> 50kΩ
Housing Material	Aluminum
Sealing Materials	silicone-ring on M12, waterproof SMA, Potted electronics
Dimensions	127mm (L) x 112mm (W) x 48mm (H)
Weight	250g
Approvals and Certifications	Fully NMEA 2000 Certified
EMC	EN 60945 (sections 9 & 10)
Environmental Protection	IP67
Operating Temperature	-20°C to +55°C
Storage Temperature	-30°C to +70°C
Recommended Humidity	0 – 95% RH
Guarantee	3 years

