

SmartMyBoat Navigator Transforms Roku-Connected TVs into Smart Marine Displays and Vessel Infotainment Systems

SmartMyBoat Navigator links NMEA 0183/2000 vessel telemetry to standard TVs, bringing live marine data to standard entertainment hardware.

LOS ANGELES, CA, UNITED STATES, August 11, 2026 /EINPresswire.com/ -- Industry-first Roku application bridges NMEA 2000/0183 vessel networks over Wi-Fi, bringing live vector chart plotting, instrument telemetry, weather, and engine diagnostics to salon screens.

SmartMyBoat, a pioneer in accessible marine software, today announced the release of SmartMyBoat Navigator for Roku. The first-of-its-kind application transforms standard Roku-connected televisions into full-featured marine display terminals, extending critical navigation charts, vessel telemetry, weather monitoring, and engine diagnostics far beyond the helm.

SmartMyBoat Navigator Data Flow Diagram

The diagram illustrates the data flow from the vessel's NMEA backbone to the Roku TV. At the top, the 'NMEA 2000 / 0183 BACKBONE' contains 'GPS Sensors', 'Engine Telemetry', and 'Depth & Wind'. These connect to a 'Wi-Fi/Ethernet Gateway NMEA 2000/NMEA 0183 (e.g., Actisense W2K-1 / WGX-1)'. This gateway feeds into the 'SmartMyBoat Navigator App (Roku TV / Roku Player)'. The app then distributes data to four main categories: 1. Chart Plotter (Vector Map View, Track & Heading, Waypoint Tracking), 2. Live Tracking (Lat/Long Header, SOG/SOW & Depth, Apparent/True Wind), 3. Environment (Air/Water Temp, Wind Force, Barometric Pressure Trends), and 4. Systems (RPM & Hours, Battery Banks (x4), Fuel & Water Tanks).

Smart My Boat Navigator Illustration

FEATURE / METRIC	SPECIFICATION
1. TOTAL DISPLAY VIEWS	4 DEDICATED SCREENS (CHART PLOTTER, LIVE TRACKING, ENVIRONMENT, SYSTEMS)
2. SUPPORTED PROTOCOLS	NMEA 2000 (N2K) & NMEA 0183 OVER WI-FI / ETHERNET
3. HARDWARE COMPATIBILITY	ACTISENSE (W2K-1, WGX-1), YACHT DEVICES, AND OPEN NMEA-TO-WI-FI GATEWAYS
4. PLATFORM	ROKU OS (ROKU SMART TVS, ROKU STREAMING STICKS, ROKU ULTRA)
5. REMOTE NETWORK ACCESS	PORT-FORWARDING / STATIC IP NETWORK SUPPORT FOR OFF-BOAT CHECKING
6. REGIONAL AVAILABILITY	UNITED STATES, UNITED KINGDOM, CANADA, AND AUSTRALIA (WITH EXPANDING GLOBAL ROLLOUTS)

SMB Navigator Key Technical Specifications

On recreational yachts, fishing vessels, and commercial craft, primary navigation displays like chartplotters are traditionally restricted to the bridge or helm station. SmartMyBoat Navigator bridges the gap between primary marine electronics and onboard guest spaces. By connecting to the vessel's central NMEA backbone via standard Wi-Fi or Ethernet gateways, the app streams live vessel data and real-time mapping straight to the salon or cabin screens owners already own.

"Our goal with SmartMyBoat Navigator is to engage everyone on board with real-time data about the vessel's voyage," said Igor Sestanj, Co-Founder of SmartMyBoat. "Instead of restricting vital chart updates and navigation metrics to a crowded helm display, we're converting salon TVs into interactive infotainment hubs. Guests and off-watch crew can follow our chart position, track course updates, check weather conditions, or monitor system metrics right from the couch."

Justin Cohen, Head of Commercial at Actisense, added: "SmartMyBoat Navigator is a remarkably innovative

way to let boaters view vital navigation and charting data on any onboard television at a fraction of the cost of dedicated helm displays. Paired with Wi-Fi gateways like our W2K-1 or WGX-1, it delivers true plug-and-play setup."



NAVIGATOR

Smart My Boat Navigator Logo

Use a Roku device on your boat's wireless network even without an active internet or cellular connection. By connecting a Roku to your boat's local Wi-Fi router or onboard local area network (LAN), the device remains fully operational for local data streams, media playback, and device interaction. While online streaming platforms like Netflix or YouTube won't be accessible, your Roku transforms into a dedicated local display for your boat's systems, offline entertainment, and screen casting. Core features remain available, though select online app functions will be restricted.

Four Core Interactive Display Screens

SmartMyBoat Navigator organizes real-time NMEA Parameter Group Number (PGN) data and GPS inputs across four dedicated views:

1. Interactive Navigation & Chart Screen:

- Full-screen vector chart plotting featuring real-time vessel position overlays.
- Dynamic heading vector lines, course-over-ground (COG) track plotting, and visual waypoint indicators.
- Pan, zoom, and orientation controls optimized for seamless navigation using the standard Roku remote.

2. Live Vessel Tracking Screen:

- Integrated header featuring exact GPS coordinates (Latitude/Longitude), satellite lock status, UTC time, distance to active waypoint, and estimated time of arrival (ETA).
- High-contrast digital gauges for Speed Over Ground (SOG), Speed Over Water (SOW), Rate of Turn, Heading, sonar depth sounder readings, and Apparent/True Wind Speed & Angle.

3. Environmental & Weather Monitoring Screen:

- Onboard ambient air temperature, relative humidity, water temperature, and barometric pressure trend tracking.
- Calculated Beaufort scale wind force, digital compass rose, and automated sunrise/sunset time calculators based on exact GPS position.

4. Engine & Systems Diagnostics Screen:

- Comprehensive engine performance telemetry: RPM gauges, operating hours, coolant temperature, and automated warning indicators.
- Multi-tank level monitoring for up to 2 fuel tanks and 2 fresh water tanks.
- Multi-bank electrical system monitoring for up to 4 independent battery banks (voltage and capacity status).

Pricing and Availability

SmartMyBoat Navigator is available now on the official Roku Channel Store.

- All downloads include a 7-day free trial.
- Subscriptions are priced at \$12.99 USD / month (\$9.62 GBP) or \$99.99 USD / year (\$69.99 GBP), billed directly through the user's Roku account.

About SmartMyBoat

SmartMyBoat develops next-generation software bridging consumer hardware with maritime data standards. By bringing NMEA telemetry and interactive mapping into smart television and IoT ecosystems, SmartMyBoat modernizes recreational, fishing, and commercial vessels without requiring costly display overhauls.

Visit [Official Website](#) or install the app via [Navigator Channel Store page](#).

Meesha S

SmartMyBoat

[email us here](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/933397766>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2026 Newsmatics Inc. All Right Reserved.