

# 1SYSTEM®

## Release Notes - ECU

from



### 1 Modifications

Date	Modifications	Author	Version	Modified Sheets	Approved		
					By	Date	Signed
9/12/2024	New Document	GA	V2.19	All	GU	16/12/2024	GU

[1SYSTEM@bf1systems.com](mailto:1SYSTEM@bf1systems.com)

## 2 History

### v2.19 – 21<sup>st</sup> August 2024

- Handle TPMS OEM data packet. Not relevant for Motorsport applications.
- Combined error signal in XX\_WS\_INFO message.

### v2.18 – 21<sup>st</sup> December 2023

- Receive all WS data when Vehicle ID is set to zero.
- Keep last wheel sensor reported data when sensor timeout sets not detected.
- Exception for pressure, which goes to maximum value.

### v2.17 – 21<sup>st</sup> July 2023

- CAN data Tx improved for higher data quantities.
- Standard TPMS CAN Authentication (Blowfish CRC) implementation. WEC & IMSA only.
- Diagnostic message configuration bug fix.
- Improved spare wheel handling. Relevant for vehicles that carry spare wheels.
- XTAL temperature compensation improvements.

### v2.16 – 13<sup>th</sup> January 2023

- Manual wheel positioning added.
- Add customer part number to improve data pack release management.
- Initial support for OEM products. Not relevant for Motorsport applications.

### v2.15 – 29<sup>th</sup> September 2022

- Warning Threshold Message signature is configurable.
- ECU core temperature is signalled on CAN interface.
- Separate thresholds are configurable for TPMS & IR sensors.
- Calibrated tyre pressure is held, and related warnings remain active while stationary.
- Wheel sensor type is signalled on CAN interface.
- Wheel sensor diagnostic information reported to one of 8 CAN message mux IDs.

### v2.14 – 22<sup>nd</sup> July 2022

- Add security mismatch WS signals.
- Add wheel sensor fault group and code in diagnostics messages.
- Add received detected counter signal.

### v2.13 – 6<sup>th</sup> May 2022

- Preliminary support for 1SYSTEM IR Wheel Sensor.

### v2.12 – 15<sup>th</sup> March 2022

- Initial Release.