

Declaration of Conformity

Diagnostic Tester



EU Declaration of Conformity

Manufacturer:

Vehicle Diagnostics Solutions
Sparbruck 22, 88045 Friedrichshafen

Declaration according to EU Directives:

The undersigned hereby declares under sole responsibility that the product described below complies with the essential requirements and relevant provisions of the following EU directives.

Product Name:

StarTrace, ESP32-based Diagnostic System / Web Server Module

Model / Type:

StarTrace NextGen

This product is in conformity with the provisions of the following EU directives:

- **2014/30/EU** – Electromagnetic Compatibility (EMC) Directive
- **2014/35/EU** – Low Voltage Directive (if applicable; voltage > 50 V AC / > 75 V DC)
- **2011/65/EU** – RoHS Directive (Restriction of Hazardous Substances)
- **2001/95/EC** – General Product Safety Directive (GPSR)

Applicable EU Directives

- **2014/53/EU – Radio Equipment Directive (RED)**
The product contains radio modules that are pre-certified and CE-marked by their original manufacturers (Espressif Systems).
 - References **EMC Directive 2014/30/EU**, particularly regarding immunity to electromagnetic disturbances.
 - References **Low Voltage Directive 2014/35/EU**, without a voltage limit, for general electrical safety.
 - Conformity is ensured by applying standards relevant to the device category (e.g. information technology equipment).
 - Product safety evaluation was conducted in accordance with internal risk assessment procedures; additional laboratory verification may be performed if required.
 - Future compliance with **EN 303 645** (Cybersecurity for consumer IoT devices) will be considered once mandatory (expected from August 2025).
 - Frequency use and RF compliance are covered by Espressif documentation for integrated radio modules.
- **2014/30/EU – Electromagnetic Compatibility (EMC) Directive**
Ensures that the product continues to operate as intended under electromagnetic interference and does not cause excessive emissions.
- **2014/35/EU – Low Voltage Directive (LVD)**
Ensures the electrical safety of the product, even when operating at Safety Extra-Low Voltage (SELV ≤ 30 V DC).
- **2011/65/EU – RoHS Directive (Restriction of Hazardous Substances)**
Compliance is ensured through RoHS declarations and material certificates obtained from all purchased components and soldering materials.
Supported by technical documentation in accordance with **EN IEC 63000:2018**.
- **2012/19/EU – WEEE Directive (Waste Electrical and Electronic Equipment)**
The manual contains the standard statement regarding disposal and end-of-life collection.
The product may be subject to take-back requirements for electronic equipment.
- **2001/95/EC – General Product Safety Directive (GPSR)**
Risk assessment and safety measures were implemented according to standard product safety principles.
- **Exemption from Automotive Regulation (ECE R10)**
The product is not considered an automotive component, as it can be connected and disconnected without the use of tools and is not permanently integrated into a vehicle system.

Applied Harmonized Standards

- EN 55032:2015 + A11:2020 – Electromagnetic compatibility of multimedia equipment
- EN 55035:2017 + A11:2020 – Immunity requirements for multimedia equipment
- EN 61010-1:2010 / A1:2019 – Safety requirements for electrical equipment for measurement, control and laboratory use
- EN 62368-1:2020 – Safety requirements for audio/video, information and communication technology equipment
- EN IEC 63000:2018 – Technical documentation for RoHS compliance
- EN 301 489-1 V2.2.3 / EN 301 489-17 V3.2.4 – EMC standards for radio equipment using WiFi/Bluetooth
- EN 300 328 V2.2.2 – Radio frequency requirements for 2.4 GHz ISM band

Additional information:

The product is intended for use in dry indoor environments only.

It operates exclusively with Safety Extra-Low Voltage (SELV \leq 30 V DC).

Place, Date:

Friedrichshafen, 16.09.2025



Note:

This declaration confirms the conformity of the described product with the applicable EU directives. It may only be used or published in its original form and must accompany the product.