



Product Safety Sheet for European DC-Blocker

Product Name: European LoRad DC Blocker MD01-16-EU

Manufacturer Information:

Name: Supra Cables / Jenving Technology AB

Address: Bastbacka 112-113, 45991 Ljungskile, Sweden

Contact: Jörgen Wahlsberg, +46-522-698990, www.supracables.se

1. Product Description

Product Type: DC blocker designed to eliminate unwanted DC voltage from AC mains power, ensuring clean and efficient power delivery to connected equipment.

Applications: Ideal for use in residential and commercial environments to prevent transformer saturation, reduce mechanical hum, and enhance the performance of audio and multimedia equipment.

2. Safety Standards and Compliance

Relevant Directives and Standards:

- Low Voltage Directive (LVD) 2014/35/EU
- Electromagnetic Compatibility Directive (EMC) 2014/30/EU
- RoHS Directive 2011/65/EU
- General Product Safety Regulation (GPSR) 2023/988

CE Marking: This product conforms to all applicable EU safety, health, and environmental protection standards and bears the CE marking.

3. Risk Assessment and Mitigation

Potential Hazards:

- Electrical Shock: Risk of electric shock if the product is improperly handled or damaged.
- Overheating: Overheating may occur if the product is overloaded or improperly ventilated.
- Ineffective DC Blocking: Risk of inadequate DC suppression if the product is misused or connected incorrectly.

Mitigation Measures:

- Equipped with components capable of filtering up to 3.6V DC offset, preventing transformer saturation and associated issues.
- Clear usage instructions provided to avoid overloading and ensure proper ventilation.
- Tested in compliance with EN standards to ensure effective DC blocking and safe operation..

4. Technical Specifications

- Input Voltage: 110-250V
- Frequency Range: 50-60Hz
Max Load: 3680W
- DC Blocking Capacity: Filters up to 3.6V DC offset
- Chassis: Shielded aluminum to prevent electric, electromagnetic, and magnetic fields

5. Labeling and Traceability

Each product is labeled with:

- Product Name
- Serial/Batch Number
- Manufacturer Contact Information
- CE Marking

6. Instructions for Safe Use

- Only use the product within specified voltage and frequency limits.
- Ensure proper ventilation to avoid overheating.
- Avoid exposure to moisture or direct sunlight.
- Disconnect from mains during installation or maintenance.
- Connect to a grounded wall socket using appropriate mains flex cables for maximum effectiveness.
- Follow the recommended connection sequence: connect all devices to the DC blocker before plugging it into the wall socket; when disconnecting, unplug from the wall socket first and wait for indicator LEDs to extinguish before disconnecting devices.

7. Incident Management and Reporting

Post-Market Surveillance:

- Supra Cables monitors product performance and user feedback to identify potential safety issues.

Incident Reporting:

- In case of a safety issue, customers are encouraged to contact Supra Cables immediately.
- Incidents will be reported to relevant authorities via the EU Safety Business Gateway as required by GPSR.

8. Declaration of Conformity

Supra Cables declares that this product complies with the following directives and standards:

- CE, RoHS, REACH, EAC, WEEE & Verified by Intertek Sweden
EN 50085-2-4:2009 in conjunction with EN 50085-1:2005

9. Disposal Instructions

- Dispose of this product in accordance with local electronic waste disposal regulations.
- Do not discard with general household waste.

Signed by: Jörgen Wahlsberg

Date: 2025-01-08

