

Female PC Socket Sync Point Part for Camera Flash (NEW, EU Compliance Product Manual)

1. Product Overview

Product Name: Female PC Socket Sync Point Part for Camera Flash (NEW)

Product Model: DSL-PC-F-SOCK (Consistent with CE Certificate)

Brand: DSLRKIT

Product Description: This is a brand-new professional Female PC Socket Sync Point Part, specially designed for camera flashes and external photography lighting equipment. It serves as a core connection component for PC sync signal transmission, providing a stable and reliable interface for connecting PC sync cables (with 2.5mm male connectors) to flashes, studio lights, or camera sync ports. The product adopts high-precision manufacturing process, uses high-quality conductive materials, features stable signal transmission, wear resistance and corrosion resistance, and is easy to install and replace. It meets the relevant compliance requirements of the European Union, is affixed with the CE mark, and ensures safe circulation and use in the EU market.

2. Compliance Information (EU Mandatory)

CE Mark Declaration: This product complies with the requirements of the European Union Low Voltage Directive (LVD) 2014/35/EU and Electromagnetic Compatibility Directive (EMC) 2014/30/EU, and is affixed with the CE mark, which is a mandatory certification mark for the product to circulate freely in the EU market[5].

Manufacturer Information:

Manufacturer Name: Shenzhen Dister Photography Equipment Co., Ltd.

Manufacturer Address: 4th Floor, West Block, Building 63, Majialong Industrial Zone, Nanshan District, Shenzhen City, Guangdong Province, China

EU Authorized Representative (Importer) Information:

Name: CET PRODUCT SERVICE LTD.

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DOC Compliance Statement: The Declaration of Conformity (DOC) for this product has been prepared in accordance with EU CE compliance requirements, detailing the product's compliance with relevant directives and standards, and is available upon request from EU market supervision authorities[5].

Applicable Standards: Complies with EU harmonized standards EN 60950-1 (Safety of information technology equipment) and EN 55032 (Electromagnetic compatibility - Emission requirements), and meets the requirements of EU RoHS directive 2011/65/EU to restrict the use of hazardous substances[9]. The product also meets the EU connector safety standards, ensuring the safety and compatibility of signal transmission[5].

3. Technical Specifications

- Connector Type: Female PC Socket (PC Sync Standard), compatible with all 2.5mm male PC sync plugs and standard PC sync cables[5].
- Product Type: Replacement/Accessory Part, brand-new original standard, direct fit for most camera flashes and studio lights.
- Conductor Material: Oxygen-free copper contacts, high conductivity, low resistance, ensuring stable and fast PC sync signal transmission without delay or loss[5].
- Shell Material: High-quality ABS engineering plastic + metal contacts, wear-resistant, corrosion-resistant, anti-oxidation, and durable, meeting EU environmental protection and safety standards[11].
- Installation Type: Solder-on Mount (for PCB board installation), easy to solder and fix, suitable for professional maintenance or equipment modification[5].
- Working Voltage: DC 3-12V (safe voltage range, compatible with most camera flash sync signal output).
- Working Temperature: -10°C ~ 60°C (suitable for most indoor and outdoor photography scenarios and equipment working environments in EU countries).
- Contact Resistance: $\leq 5\text{m}\Omega$, ensuring excellent conductivity and avoiding signal interference or sync failure.
- Certifications: CE, FCC, RoHS (complies with EU RoHS directive 2011/65/EU, restricting the use of lead, mercury, cadmium and other hazardous substances)[9].

4. Safety Warnings (Mandatory for EU)

Warning! ⚠ Read this manual carefully before use to avoid personal injury, equipment damage or signal failure due to improper operation, installation or use.

- This product is a **female PC sync socket (replacement part)**, only suitable for camera flashes, studio lights and other photography lighting equipment with PC sync function. Do not use it for non-photography equipment or incompatible devices; incorrect use may cause short circuit, equipment damage or signal failure.
- Installation must be performed by professional personnel with soldering experience. Non-professional installation may lead to poor soldering, short circuit, or damage to the socket and equipment PCB board, which will void the warranty and may cause safety hazards[9].
- Do not use the product in humid, rainy, high-temperature (exceeding 60°C) or flammable and explosive environments to prevent short circuit, signal interference, corrosion of contacts or safety hazards[11].
- Do not touch the metal contacts of the socket with bare hands or metal objects when the equipment is powered on, to avoid short circuit, electric shock or damage to the equipment.
- Keep the product and its accessories away from children and pets to prevent accidental swallowing of small parts (such as the socket itself), biting or damage, resulting in safety risks.
- Do not disassemble, modify or repair the socket by yourself. The product is a precision component, and non-professional disassembly will damage its structure and performance.
- If the socket is damaged (such as loose contacts, corrosion of metal parts, poor signal transmission), stop using it immediately and replace it with a new one to avoid damage to the connected PC sync cable or equipment.
- Before soldering and installation, ensure that the equipment is powered off and the power supply is disconnected to avoid short circuit or electric shock[4].

5. Installation and Operation Instructions

5.1 Installation Preparation

Check whether the product is intact (no damage to the shell, no deformation of metal contacts, no oxidation), and prepare the required tools and equipment: 1 x Female PC Socket Sync Point Part, 1 x Camera Flash/Studio Light (with PC sync function), Soldering Iron, Solder Wire, Desoldering Tool (if replacing old socket), Anti-static Wristband (recommended), Dry Clean Cloth.

Check the PCB board of the equipment to ensure that the installation position of the PC sync socket is clean, free of dust, dirt or residual solder, so as not to affect the soldering effect and signal transmission[9].

5.2 Step-by-Step Installation (Professional Operation Only)

1. Disconnect the power supply of the camera flash/studio light, and confirm that the equipment is completely powered off to avoid short circuit or electric shock during installation[4].
2. If replacing the old socket: Use a desoldering tool to remove the old PC sync socket from the equipment PCB board, and clean the solder pads on the PCB board with a desoldering wick to ensure the solder pads are flat and clean.
3. Put on an anti-static wristband (recommended) to prevent static electricity from damaging the equipment PCB board and the new socket.
4. Align the pins of the new female PC socket with the corresponding solder pads on the equipment PCB board, and gently press the socket to ensure it is firmly attached to the PCB board (do not skew or misalign).
5. Use a soldering iron (adjusted to appropriate temperature) to solder the pins of the socket to the solder pads on the PCB board, ensuring that each pin is fully soldered, without cold solder joints or short circuits between pins[5].
6. After soldering, wait for the solder to cool naturally (do not blow or touch it with hands to avoid scalding or poor soldering), and use a dry clean cloth to wipe the surface of the socket and PCB board to remove residual solder or dust.
7. Reconnect the power supply of the equipment, connect a standard 2.5mm male PC sync cable to the new socket, and test whether the sync signal is transmitted normally (trigger the flash to confirm no mis-triggering or non-triggering).

5.3 Usage and Installation Notes

Before each use, check the connection between the PC sync cable and the socket to ensure the plug is inserted firmly, avoiding poor contact and affecting the flash sync effect.

Regularly wipe the metal contacts of the socket with a dry clean cloth to remove dust, dirt or oxidation, ensure good conductivity, and extend the service life of the socket[9].

Avoid inserting or pulling out the PC sync plug violently when the equipment is powered on, to prevent damage to the socket contacts or the plug.

When storing the product (uninstalled), place it in a dry, cool and clean environment, avoid direct sunlight, high-temperature storage or contact with corrosive substances, and prevent oxidation of metal contacts.

6. Applicable Scenarios and Compatible Devices

6.1 Applicable Scenarios

It is widely used in professional photography scenarios, including studio photography, portrait photography, product photography, outdoor shooting, etc. It is suitable for replacing damaged

PC sync sockets on camera flashes, studio lights, speedlights, and other equipment, as well as for equipment maintenance and modification. It is suitable for photographers, photography studios, equipment maintenance shops, and other users in EU countries, ensuring the normal operation of flash sync functions.

6.2 Compatible Devices

Compatible Equipment Type: All camera flashes, studio lights, speedlights, and external photography lighting equipment with standard PC sync socket installation positions and PCB solder pads[5].

Compatible Cables: All standard PC sync cables with 2.5mm male connectors, matching the PC sync signal transmission standard, suitable for NIKON, CANON, SONY and other brand camera flash systems.

7. Maintenance and Warranty

Maintenance: Regularly wipe the metal contacts of the socket with a dry and clean cloth to remove dust, dirt or oxidation, ensure good contact; avoid the socket being soaked in water or exposed to corrosive substances; avoid violent insertion and extraction of the PC sync plug to protect the contacts; store the unused socket in a dry and sealed environment.

Warranty: This product provides a 12-month warranty from the date of purchase. During the warranty period, if the product has quality problems (non-human damage, such as poor conductivity caused by manufacturing defects, deformation of the shell, oxidation of contacts), please contact the EU authorized representative or the seller's after-sales service for replacement. The warranty will be void if the product is damaged due to improper installation, use, disassembly, modification or natural wear and tear.

（注：文档部分内容可能由 AI 生成）