

Orico HD-PW6101

ORICO HD-PW6101 HDD Power Switcher User Manual

Model: HD-PW6101

1. INTRODUCTION

The ORICO HD-PW6101 is a 6-channel Hard Disk Drive (HDD) power switcher designed to be installed in a standard 5.25-inch CD-ROM bay within a computer chassis. This device provides independent power control for up to six SATA HDDs, allowing users to manage power to individual drives as needed. It contributes to reduced power consumption and extended HDD lifespan by enabling users to power off drives that are not actively in use.



Figure 1: ORICO HD-PW6101 HDD Power Switcher with connected cables.

2. PRODUCT FEATURES

- **Material and Installation:** Constructed from durable metal, designed for easy installation into a standard 5.25-inch CD-ROM bay.
- **Independent Power Control:** Manages power for 1 to 6 individual HDDs, offering convenient and practical control.
- **HDD Lifespan Extension:** Allows users to power off HDDs not in use, reducing wear and tear and extending their operational life.
- **Energy Efficiency:** Reduces overall power supply demand from the chassis by selectively powering drives.

- **Status Indicators:** Features blue LED indicators on the front panel to display the power status of each HDD.
- **Flexible Power Input:** Supports both IDE (4-pin) and SATA (15-pin) power input cables.
- **Multiple SATA Outputs:** Provides six output power supply cables to connect up to six SATA devices.
- **High-Quality Cabling:** Includes two sets of power cables with high-quality connectors (made in Taiwan), featuring black netting and magnet ring shielding for improved signal integrity.

3. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- ORICO HD-PW6101 HDD Power Switcher x 1
- Mounting Screws x 8
- Big 4-pin to 15-pin Male Connector Power Cable x 2
- Small 4-pin to 15-pin SATA Power Cable x 6
- User Manual x 1



Figure 2: ORICO HD-PW6101 package contents.

4. SETUP AND INSTALLATION

Follow these steps to properly install the ORICO HD-PW6101 HDD Power Switcher into your computer chassis:

1. **Prepare Your System:** Power off your computer and disconnect it from the main power supply. Open the computer chassis to access the internal bays.
2. **Locate a 5.25-inch Bay:** Identify an available 5.25-inch CD-ROM bay in your computer case. Remove any front panel covers or bay covers as necessary.

3. **Insert the Switcher:** Carefully slide the ORICO HD-PW6101 into the chosen 5.25-inch bay from the front of the chassis until its mounting holes align with those on the bay.
4. **Secure the Switcher:** Use the provided mounting screws (8 pieces) to secure the switcher firmly to the chassis on both sides.



Figure 3: ORICO HD-PW6101 showing mounting points.

5. **Connect Input Power:** Connect one of the provided input power cables (either the Big 4-pin to 15-pin or Small 4-pin to 15-pin SATA power cable, depending on your power supply's available connectors) from your computer's power supply unit (PSU) to the corresponding input port on the ORICO HD-PW6101. The switcher supports both IDE (4-pin) and SATA (15-pin) power inputs.

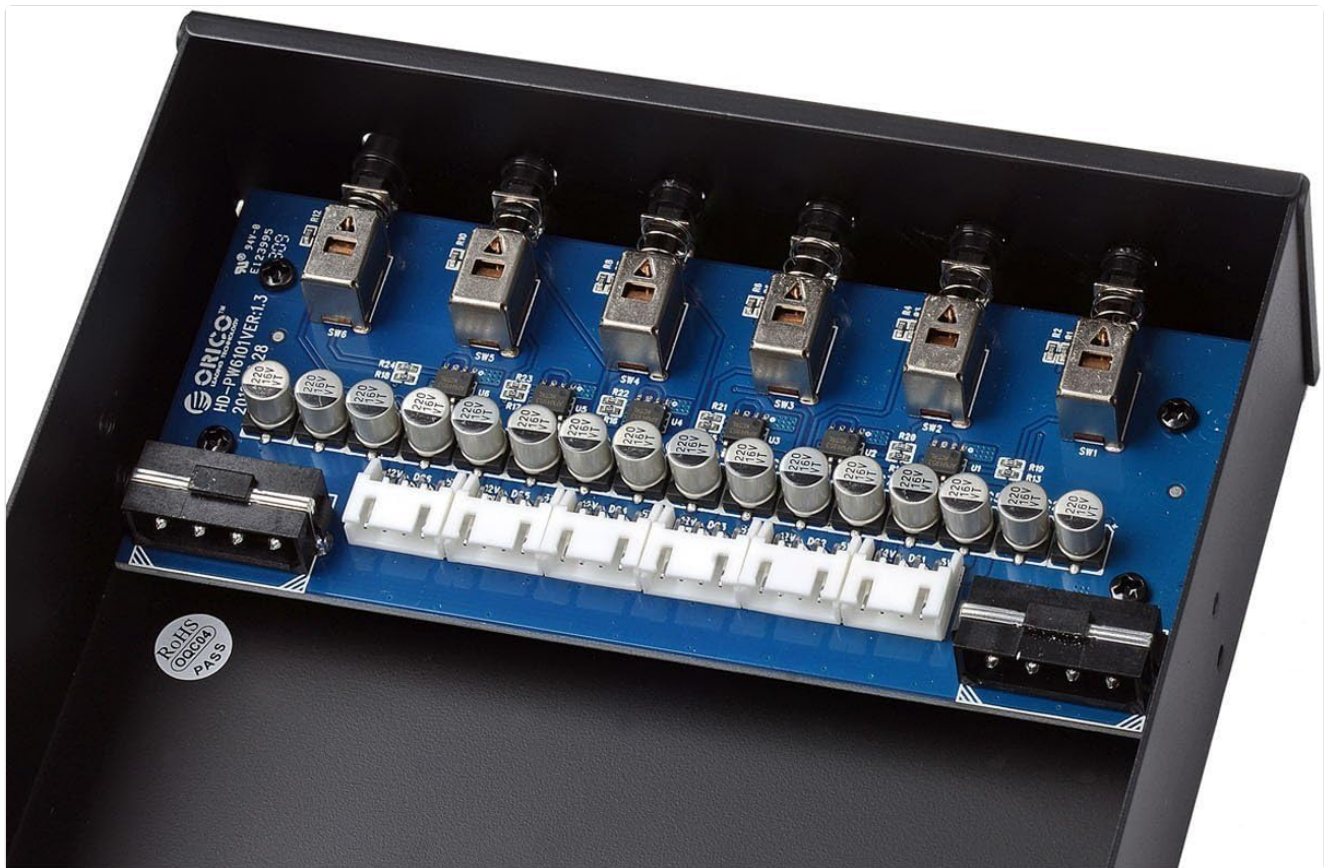


Figure 4: Power input connectors on the ORICO HD-PW6101 circuit board.

6. **Connect HDDs:** Connect your SATA Hard Disk Drives (HDDs) to the six available SATA output ports on the ORICO HD-PW6101 using the provided SATA power cables. Ensure each HDD is connected to a separate output port (labeled 1 through 6).



Figure 5: Internal view of the ORICO HD-PW6101 with SATA output connectors.

7. **Close Chassis and Power On:** Once all connections are secure, close your computer chassis and reconnect the main power supply. You can now power on your computer.

5. OPERATING INSTRUCTIONS

The ORICO HD-PW6101 provides simple control over your connected HDDs:

- **Individual Power Switches:** The front panel features six independent toggle switches, labeled 01 through 06, corresponding to each SATA output port.
- **Powering On/Off HDDs:** To power on a connected HDD, toggle its corresponding switch to the "ON" position. To power off an HDD, toggle the switch to the "OFF" position.
- **LED Indicators:** Each switch has a blue LED indicator. When an HDD is powered on via the switcher, its corresponding blue LED will illuminate, indicating active power supply.



Figure 6: Front panel controls and indicators.

Important Note: It is recommended to safely eject or unmount a hard drive through your operating system before powering it off using the physical switch to prevent data corruption.

6. MAINTENANCE

The ORICO HD-PW6101 is designed for low maintenance. Follow these general guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the exterior of the device with a soft, dry cloth. Avoid using liquid cleaners or abrasive materials.
- **Dust Accumulation:** Ensure that the interior of your computer chassis remains free of excessive dust, as dust can impede airflow and lead to overheating of components, including the power switcher.
- **Cable Connections:** Occasionally check all power cable connections to ensure they are secure and free from damage.

7. TROUBLESHOOTING

If you encounter issues with your ORICO HD-PW6101, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
HDD does not power on when switch is toggled.	◦ Loose power cable connection. ◦ Incorrect power input connection from PSU. ◦ Faulty HDD. ◦ Switcher not receiving power.	◦ Ensure all power cables (input and output) are securely connected. ◦ Verify the main power cable from your PSU is correctly connected to the switcher. ◦ Test the HDD by connecting it directly to the PSU. ◦ Check if the blue LED indicators on the switcher illuminate when switches are toggled.
Blue LED indicator does not light up.	◦ No power to the switcher. ◦ Faulty LED.	◦ Confirm the power input cable from the PSU is connected and the PSU is active. ◦ If other LEDs work, the specific LED might be faulty, but the switch should still function.
Burning smell or unusual noise.	◦ Electrical short or component failure.	Immediately power off your computer and disconnect it from the main power supply. Do not attempt to use the device. Contact customer support for assistance.

8. SPECIFICATIONS

Product Name	CD-ROM space 6pcs HDD power switcher
Product Model	ORICO HD-PW6101
Product Material	Metal & Plastic
Product Dimensions (L x W x H)	149 x 143 x 42 mm
Product Color	Black/Silver
LED Indicator	Blue (for HDD Status)
Supported HDDs	SATA I & II HDDs
Product Weight	426 g (excluding HDD)
Safety Approvals	CE and FCC approved
Installation Bay	5.25-inch CD-ROM space
Input Power	IDE (4-pin) or SATA (15-pin)
Output Power	6 x SATA (15-pin)
Manufacturer	SISUN TECHNOLOGIES CO., LTD

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your package or visit the official Orico website. Keep your purchase receipt for warranty claims.

Manufacturer: SISUN TECHNOLOGIES CO., LTD

For further assistance, you may contact Orico support directly. Contact details are typically available on the product packaging or the manufacturer's official website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Anonymous

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question