Kingwin HDD-PS6

Kingwin HDD-PS6 5.25" Hard Drive Power Switch Module User Manual

Model: HDD-PS6

Introduction

The Kingwin HDD-PS6 is a 5.25-inch bay module designed to provide independent power control for up to six hard disk drives (HDDs), solid-state drives (SSDs), or solid-state hybrid drives (SSHDs). This device allows users to selectively power on or off individual drives, optimizing power consumption and potentially extending the lifespan of drives that are not in constant use. It features a durable all-metal construction and blue LED indicators for each drive's status.

Features

- Power switch to control up to 6 hard drives (HDD/SSD/SSHD).
- Enables powering on/off hard drives that are not in active use.
- Contributes to reduced energy consumption and extended hard drive lifespan.
- Features blue LED indicators for each hard drive's operational status.
- Includes two sets of input power cables and six output power cables.
- Constructed with an all-metal design for durability.
- Designed to fit standard 5.25-inch drive bays.



Image: The Kingwin HDD-PS6 module highlighting its primary function to power on/off hard drives not in use.

Setup and Installation

1. **Prepare your PC Case:** Ensure your computer is powered off and unplugged. Open the computer case to access the internal components.
2. **Locate a 5.25-inch Bay:** Identify an available 5.25-inch drive bay in your PC case. Remove any front panel covers or bay covers as necessary.
3. **Install the HDD-PS6 Module:** Slide the Kingwin HDD-PS6 module into the chosen 5.25-inch bay from the front of the case. Secure it with screws on both sides to prevent movement.
4. **Connect Power Input:** Connect the two input power cables from the HDD-PS6 module to available SATA power connectors from your power supply unit (PSU). Ensure a secure connection.
5. **Connect Hard Drives:** Connect the six output power cables from the HDD-PS6 module to the SATA power ports on your hard drives (HDDs, SSDs, SSHDs). Each cable is numbered (1-6) to correspond with the switches on the front panel.
6. **Cable Management:** Route the cables neatly to avoid obstructing airflow or other components. Ensure cables are not pinched or strained.
7. **Close PC Case:** Once all connections are secure and cables are managed, close your PC case and reconnect the power cable.



Image: The Kingwin HDD-PS6 module seamlessly installed into a 5.25-inch half-height front bay slot of a computer case.

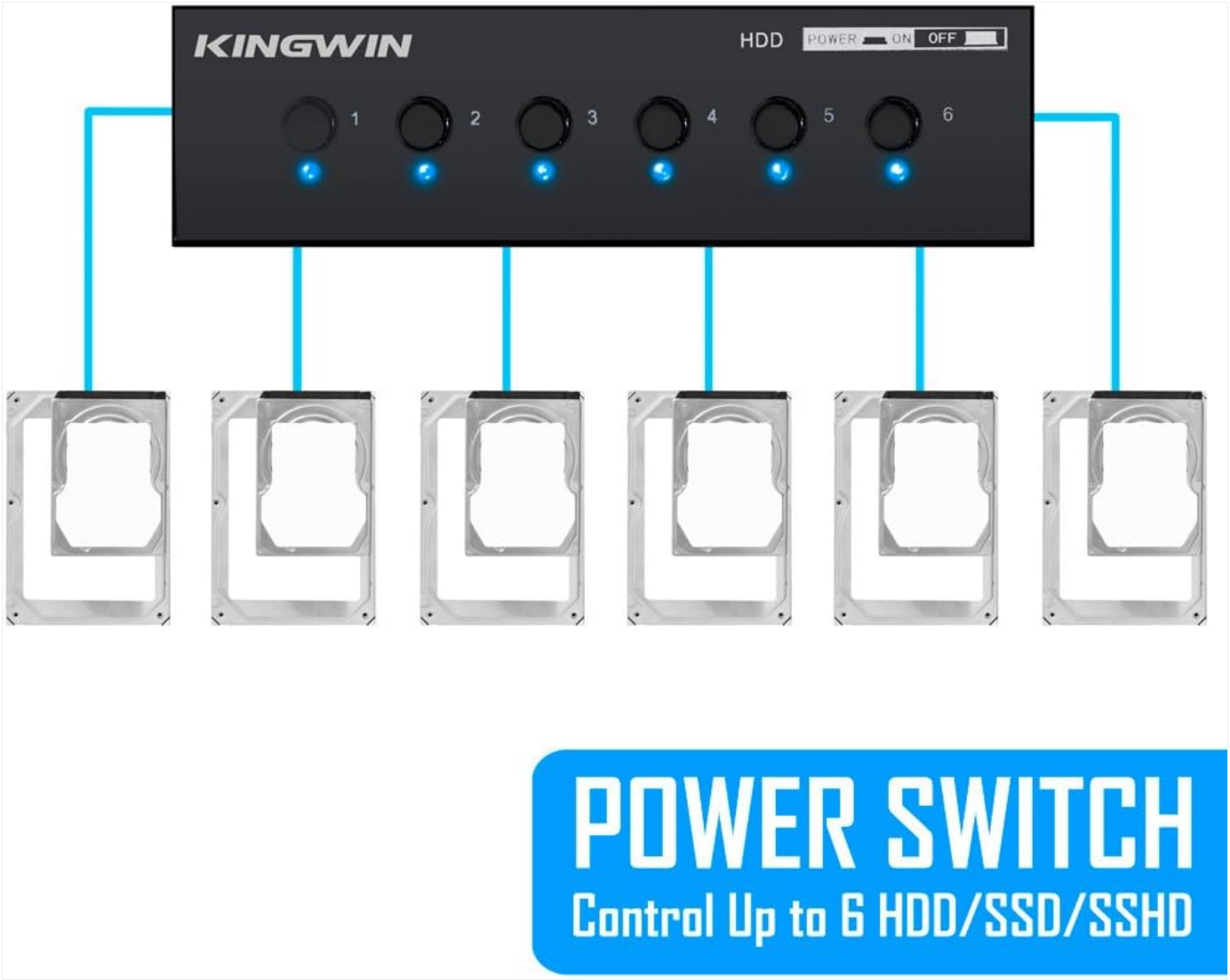


Image: A diagram illustrating the Kingwin HDD-PS6 module connected to six individual hard drives, demonstrating its power switching capability.



Image: The Kingwin HDD-PS6 module displaying its internal wiring and the included SATA power cables for connecting to hard drives and the power supply.

Operating Instructions

The Kingwin HDD-PS6 features six individual push-button switches, each corresponding to a connected hard drive. A master power switch is also present to control the entire unit.

1. **Master Power Switch:** Locate the main "HDD POWER ON OFF" slide switch on the right side of the module. Slide it to the "ON" position to enable power to the individual drive switches.
2. **Individual Drive Control:** Each numbered button (01-06) controls the power to the corresponding hard drive. Press a button once to power on the connected drive. Press it again to power off the drive.

3. **LED Indicators:** A blue LED light below each numbered button will illuminate when the corresponding hard drive is powered on. This provides a visual confirmation of the drive's status.
4. **Safe Operation:** Always ensure that a hard drive is not actively being accessed by the operating system or applications before powering it off to prevent data corruption. It is recommended to safely eject or unmount the drive through your operating system before switching it off.



Image: The Kingwin HDD-PS6 module installed in a computer case, showing the blue LED lights indicating the operational status of connected hard drives.

Maintenance

- **Cleaning:** Periodically clean the front panel of the module with a soft, dry cloth. Avoid using liquid cleaners directly on the device.
- **Cable Integrity:** Regularly check all connected cables for any signs of wear, damage, or loose connections. Ensure cables are not obstructing cooling fans.

- **Environmental Conditions:** Operate the device within a stable temperature and humidity environment, consistent with typical computer operating conditions. Avoid extreme temperatures or moisture.

Troubleshooting

Problem	Possible Cause	Solution
Hard drive does not power on.	• Master power switch is off. • Individual drive switch is off. • Loose power cable connection. • Faulty hard drive or cable.	• Ensure the "HDD POWER ON OFF" switch is in the "ON" position. • Press the corresponding numbered button to power on the drive. • Check all SATA power connections to the module and the hard drive. • Test the hard drive with a direct power connection or another power source.
Blue LED does not light up.	• Hard drive is not powered on. • LED malfunction.	• Ensure the drive is powered on via its individual switch. • If the drive powers on but the LED does not, the LED may be faulty. This does not affect drive functionality.
Module does not fit properly in 5.25" bay.	• Bay obstruction. • Incorrect bay size.	• Ensure no cables or components are blocking the bay. • Verify that the bay is a standard 5.25-inch size.
Cables are difficult to route or case won't close.	• Limited space in PC case. • Straight connectors on drives requiring angled ones.	• Carefully manage cables, using zip ties if necessary, to optimize space. • Consider using SATA power extension cables with 90-degree connectors if space is extremely limited, especially for side-facing drive bays.

Specifications

Model Number	HDD-PS6
Brand	Kingwin
Compatibility	5.25-inch drive bay
Supported Drives	Up to 6 HDDs, SSDs, or SSHDs
Indicators	Blue LED for each drive status
Material	All-metal construction
Operating System Support	Windows OS XP, Vista, 7, 8, 8.1 and 10 *(Note: OS compatibility refers to the drives connected, not the switch itself)*
Color	Black



Image: Dimensional view of the Kingwin HDD-PS6 module, showing its approximate measurements for fitting into a 5.25-inch bay.

Warranty and Support

For warranty information and technical support, please refer to the official Kingwin website or contact their customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Manufacturer: KWI Technology Inc./Kingwin

Website: www.kingwin.com *(Note: This is a placeholder link, please verify the official website for Kingwin support.)*

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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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