

SATA Backplane

5 Drive Black SATA Backplane

SATABAY5BK

Instruction Manual



Actual product may vary from photo

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FCC Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

Thank you for purchasing a StarTech.com Serial ATA backplane. The perfect solution for building hot-swappable Serial ATA RAID arrays, this backplane can support up to five Serial ATA 150/300 3.5" inch drives, each in their own independent removable drive drawer, while an 8cm rear fan ensures that air is moved efficiently over the drives to maintain ideal operating temperatures.

Features

- Supports SATA and SATA II hard drives
- Equipped with an 8cm rear-mounted ball bearing fan
- High performance transfer rate of up to 150MB/s (SATA), 300MB/s (SATA II)
- SATA 15Pin & 4Pin Power connectors
- Uses an easy push-button mechanism for opening hard drive trays
- Provides an audible buzzer alarm when overheating occurs
- LEDs offer easy monitoring of fan, power and hard drive status

Before You Begin

Contents

This package should contain:

- Serial ATA backplane (1)
- 7-pin Serial ATA signal cables (1)
- User manual (1)

Installation

1. Remove one of the drive trays by pressing on the left side of the drive tray. This will cause the tray's arm to swing out. Hold the arm and pull the tray out.
2. Place the hard drive into the tray. Line up the holes in the bottom of the tray with the holes in the bottom of your drive. Use screws to secure the hard drive to the tray.
3. Slide the tray back into the slot. When the tray is all the way back into the slot, press the arm back in until you hear a "click" sound. This indicates that the tray and hard drive are properly installed.
4. Repeat these steps for the other hard drives.
5. If desired, install the backplane into open 5.25" drive bays on your system.
6. Use the 7-pin Serial ATA signal cables to connect the hard drive ("HD") ports on the back of the backplane to your Serial ATA controller.
7. To power the backplane, use either Serial ATA or LP4 connectors from your power supply. If you use LP4 connectors, the power will automatically be converted to Serial ATA power.

Using Your Backplane

- **Reset:** The Reset button/LED on the front of the backplane serves as both a reset switch and an overheating LED. When overheating occurs, a buzzer will sound and the Reset LED will flash. To stop the alarm, press the Reset button.
- **HD1, HD2, etc:** The HD buttons/LEDs on the front of the backplane serve as both the power switches and power LEDs for each drive. To turn power to the drive on or off, push the corresponding HD button (Do not turn off power when the drive is in use!). When the drive is powered, the corresponding LED will be lit.

Note: The default temperature at which the alarm will sound is 60°C (140°F). Using jumpers on the back of the backplane, you can also set the temperature to 55°C (131°F) or 65°C (149°F).

- **Fan Sensor:** The fan sensor LED on the front of the backplane indicates the activity of the backplane's fan. If the fan sensor LED is lit green, the fan is working properly. If the fan fails, the fan sensor LED will be lit red.

Specifications

Bus Type	SATA-I & SATA-II
Form Factor	3 X 5.25" Bay for 5 HDD
Power Adapter	15pin SATA power x 2 + 4pin x 3
Cables	7pin data cable x 5pcs
Data Transfer Rate (Max.)	1.5 GB for SATA-I & 3.0 GB for SATA-II
OS Support	Windows, Mac, Linux
Operation Temperature	35° - 65°C
Storage Temperature	15° - 65°C

Technical Support

StarTech.com's lifetime technical support is an integral part of our commitment to provide industry-leading solutions. If you ever need help with your product, visit www.startech.com/support and access our comprehensive selection of online tools, documentation, and downloads.

Warranty Information

This product is backed by a lifetime warranty. In addition, StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

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