

**SBAY5BK**

**Instruction Manual**

# **SATA/SAS Hard Drive Mobile Rack Backplane**

**5 Drive 3.5" Removable SATA/  
SAS Mobile Rack Backplane**

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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

The SBAY5BK Trayless Hard Drive Backplane provides a simple, hot-swap compatible internal storage solution with support for up to five 3.5" SAS and/or SATA (SATA 1.5/3.0 Gbps) hard drives. The RAID compatible SAS/SATA backplane features two rear-mounted 60mm cooling fans and is constructed of aluminum and steel for maximum heat dissipation.

## Packaging Contents

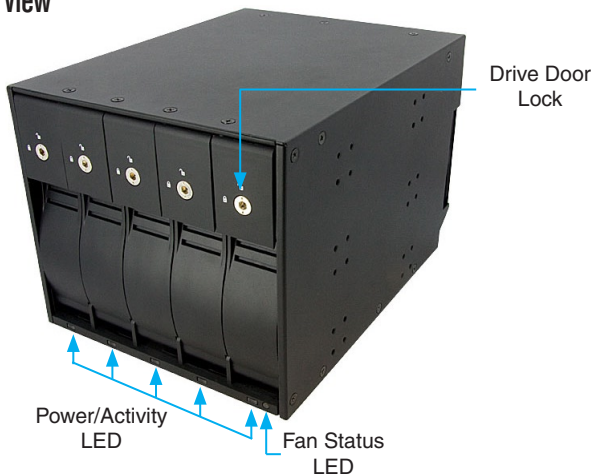
- 1 x SBAY5BK hard drive backplane
- 12 x Mounting screws
- 5 x 7-pin 18" SATA cables
- 2 x SATA power to LP4 molex adapter
- 1 x Key
- 1 x Instruction Manual

## System Requirements

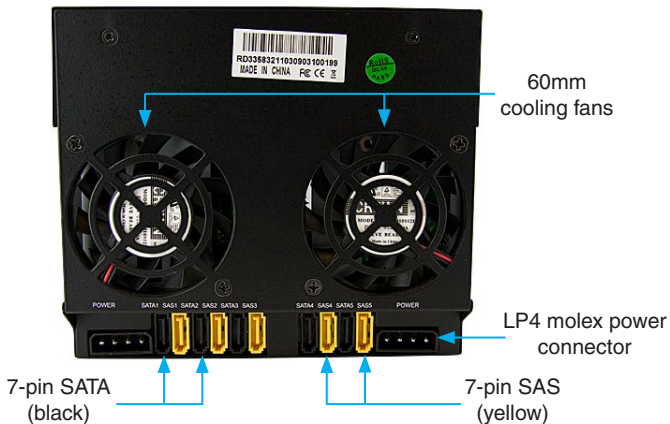
- 3.5" SATA 1.5/3.0Gbps or SAS 3.0Gbps hard drive(s)
- SATA or SAS enabled computer system
- 3 adjacent external 5.25" bays in the computer case



## Front View



## Rear View



# Installation

**WARNING:** Hard drives require careful handling, especially when being transported. If you are not careful with your hard disk, lost data may result. Always handle your hard drive and storage device with caution.

## Hardware Installation

1. Make sure the computer system is powered off and unplugged from the power source before attempting any hardware installation.
2. Prepare 3 adjacent external 5.25" bays in the computer system for the SBAY5BK Mobile Rack and insert it into the computer system. Install as per the computer systems documentation. Standard mounting screws are included, if needed.
3. Connect two LP4 molex power connectors from the computer's power supply to the connectors on the rear of the Mobile Rack. If only SATA power connectors are available on the power supply, use the included LP4 molex adapters.
4. For each drive bay, connect a 7-pin SATA connector to either the SAS (yellow) or SATA (black) connector from the SAS or SATA controller card in the computer system.

**NOTE:** A SAS controller may require a special break-out cable to connect to the Mobile Rack (sold separately).  
(e.g. StarTech.com ID: SAS84S450)

5. Open the drive bays by pulling on the hinged latch and lowering the door. Insert the hard drive(s) into the drive bays (label facing right) and then close the door, making sure it latches properly.

**OPTIONAL:** Using the provided keys, the door latches can be locked to prevent accidental/unauthorized access to the drives.

6. Power up the computer and use the hard drive(s) as if connected directly to the SATA/SAS controller.

## Driver Installation

No driver installation is required for any operating system, as this Mobile Rack is a pass through device, so only the hard drives are seen by the computer system.

## How to Use

If the SATA controller supports Hot-Swapping drives, then hard drives can be removed and installed into the Mobile Rack without having to shut the computer system off. Refer to the documentation for the SATA controller for details on how to use Hot-Swapping. If not supported, the computer must be shut down first, to install or remove hard drives.

To remove hard drives from the Mobile Rack, unlock the front drive bay door (if necessary) with the provided keys and open the door by pulling on the hinged latch. Lower the door and the hard drive will be ejected, and can then be pulled out of the drive bay by hand.

## Specifications

<b>Bus Interface</b>	SATA 3.0Gbps SAS 3.0Gbps
<b>External Connectors</b>	5 x 7-pin SATA (black) 5 x 7-pin SAS (yellow) 2 x 4-pin LP4 molex
<b>LEDs</b>	1 x Fan Status 5 x Drive Power/Activity
<b>Fans</b>	2 x 60mm
<b>Hard Drive Support</b>	3.5" SATA 1.5/3.0 Gbps hard drives up to 2TB capacity* 3.5" SAS 3.0Gbps hard drives
<b>Dimensions</b>	190.0mm x 146.0mm x 126.0mm
<b>Weight</b>	1.48kg

\* **NOTE:** The unit will only support SATA hard drive capacities supported by the SATA or SAS controller, up to a maximum of 2TB.

## 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](http://www.startech.com/support) and access our comprehensive selection of online tools, documentation, and downloads.

## Warranty Information

This product is backed by a one year 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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