

# BPU-230SATA 3.5" Hard Drive Cage

## User's Manual



**iStarUSA** – Powered by iStarUSA Group  
727 Phillips Drive  
City of Industry, CA 91748  
Tel: (888) 989-1189  
Email: sales@istarusa.com

## Specification:

Hot Swap	3x3.5" HDD
Cooling Fan	1x80mm
Standard Drive Bays	5.25" Drive: 2
Dimension (W x H x D)	5.75 x 3.39 x 7.95 inches
Material	Aluminum Design with Conductive Dissipation Grooves
HDD Interface	SATA / SAS
Weight	3 lbs
Cable	SATA Cable Included (3pcs)

## Order Information:

Model Number:	Color:	UPC Code:
BPU-230SATA-BLACK	<b>Black</b>	846813022583
BPU-230SATA-RED	<b>Red</b>	846813000468
BPU-230SATA-BLUE	<b>Blue</b>	846813000451
BPU-230SATA-SILVER	<b>Silver</b>	846813000475
BPU-230SATA-BPL (lockable handle)	<b>Plastic</b>	846813016063

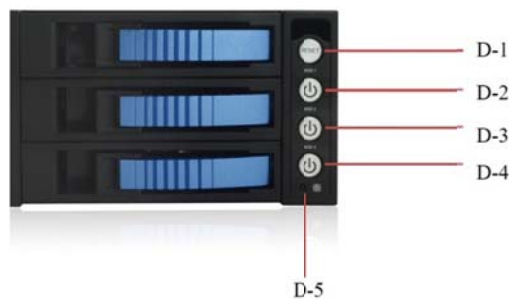
## Introduction:

Create more space in your computer case by using the BPU-230SATA HDD cage series that supports RAID 1/0/1+0/5 configuration for high performing data recovery or redundancy application. Its aluminum construction translates into lighter system weight and better heat dissipation. The 70mm fan also help keeps hard drives at maximum performance temperature.

## Features:

- Aluminum Frame and aluminum cover
- Interface: Support SAS-I and SAS-II, SATA-I, SATA-II, SATA-III
- High performance transfer rate: up to 6.0 GB/s for SAS & SATA hard drives
- Plug & play, hot swappable
- SATA 15Pin & 4Pin Power connectors
- LED for P/S, HDD access, Fan sensor & Buzzer
- Power Control Switch
- 3-stage temperature alarm settings & reset switch for buzzer alarm
- 1 x 7cm cooling fan
- Dim: 202(L) X 146(W) X 86(H) mm
- Patent products with advanced structure design
- Patent balance handle-No skew in/out problem & avoid abrasion during connection
- Precise connection between the hard drive and the cage

## Hardware Information: Front View



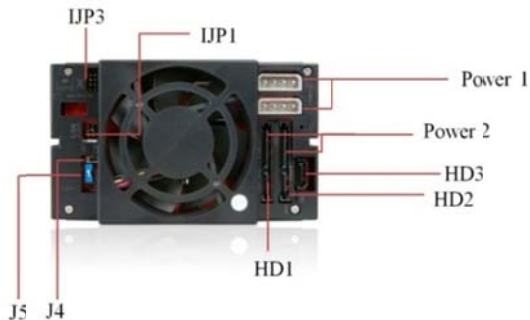
**D-1:** Reset Switch & Overheat LED. Power On: LED indicates Blue. Overheat (default 55° C): LED indicate Red and buzzer alarms. Press the Reset Switch (D-1) to stop the alarm for 3 minutes.

**D-2 ~ D-4:** Power Switch & HDD LED. Power On: LED indicates Blue. Purple color blinking for HDD access.

**D-5:** Fan sensor LED. Fan On: LED indicates Blue. Fan Off: LED indicates Red and buzzer alarms. Press the Reset Switch (D-1) to stop the alarm.

(If you want to switch off the "Alarm function", press the Reset Switch (D-1) for more than 6 seconds until 3 beeps comes out, then the "Alarm function" stopped.)

**Hardware Information: Rear View**



- POWER1:** 4pin Power connector.
- POWER2:** 15pin Serial ATA Power connector. (may use any two type of power connector)
- HD1— HD3:** 7pin Serial ATA Signal connector
- IJP1:** Temperature setting jumper (default: 55° C)
- IJP3:** Extension function jumpers
- J4:** FAN RPM Switch: HIGH & AUTO Optional. (Every time when you turn on the power, the fan runs for 10 seconds and then stop. It will run again when temperature reaches 40° C.)
- J5:** HDD LED Switch (default: Enable)

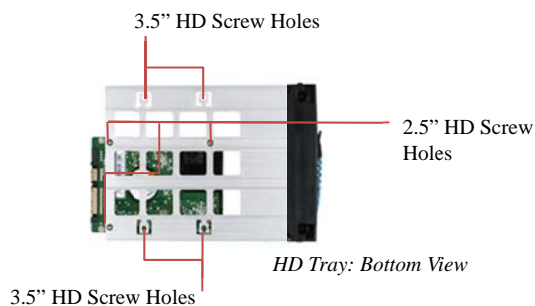
**IJP1 & IJP3 Jumper pin setting:**



- FLEDR:** Fan failure detection (red).
- FLED+:** Fan failure detection (+)
- FLEDG:** Fan failure detection (green)
- TLEDR:** Temperature detection (red) 5V+: 5V Power
- TLEDG:** Temperature detection (green)
- GND:** Grounded

**2.5" or 3.5" Hard Drive Disk to the trays Installation:**

1. Insert 2.5" or 3.5" Hard Drive into the HDD Tray from the cage.
2. Use the provided screws and fasten HD into highlighted 2.5" or 3.5" holes to the cage trays.
3. Make sure Secure with screw holes from the Bottom of 2.5" or 3.5" Hard Drive's.
4. After the screw installation, slide the HDD Tray back to the HDD Canister Base.
5. Next, follow the Quick Installation in next page for the rest of the Setup.



**Quick Installation Procedure:**

1. Open up the handle bar from the tray; take out the HD trays from the HD cage.
2. Secure all screws to the HD attached with HD tray.
3. Place the hard drive tray(s) with HD installed, back into the cage unit.
4. Push the handling bar into closed position.
5. Connect all necessary data and power cable onto the rear end of cage unit. (Make sure that the data cables connected to the motherboard side as well).
6. Turn on the Power of your computer and wait until Operating System finish loading up.
7. Turn on all necessary HD1~HD4 Power Button(s) for each Hard Drive installed.

**Note:**

**For steps 6- if the operating system installed with a HD inside of HD cage, please make sure you do turn on the Power from the cage switches D2/D3 or D4.** For optional RAID Configuration & Setup procedure, please follow the user manual instructions from your SAS/SATA Controller Card or Motherboard.

**Accessories:**

- 3 SATA cables
- Screws



**Optional Accessories:**

HD Trays	Model Number	UPC Code:
Black	BPU-HSTRAY-BLACK	846813000635
Red	BPU-HSTRAY-RED	846813000659
Blue	BPU-HSTRAY-BLUE	846813000642
Silver	BPU-HSTRAY-SILVER	846813000673
Plastic	BPU-HSTRAY	846813000628

**iStarUSAcare:**



We will help you navigate our website to find the information that you need. Go to [www.istarusa.com](http://www.istarusa.com), and click on live chat bubble above the Search Bar



Our technicians are standing by to take your questions. Visit <http://istarusa.com/support/>, and you will receive a technical support ticket to help track your requests from the beginning to the end. Or you can contact us @ 888-989-1189

FCC and CE Radiation Norm  
 FCC  
 This equipment has been tested and found to comply with limits for Class B digital device pursuant to Part 15 of Federal Communications Commission (FCC) rules.  
 CE  
 This equipment has been tested and found to comply with the limits of the European Council Directive on the approximation of the law of the member states relating to electromagnetic compatibility (89/336/EEC) according to EN 55022 Class B.  
 FCC and CE Compliance Statement  
 These limits are designed to provide reasonable protection against frequency interference in residential installation. This equipment generates uses and can radiate radio frequency energy, and if not installed or used in accordance with the instructions may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in television reception, which can be determined by turning the equipment off and on. The user is encouraged to try and correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna, Increase the separation between the equipment and the receiver, connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
 CAUTION!  
 The Federal Communications Commission warns the user that changes or modifications to the unit not expressly approved by the party responsible for the compliance could void the user's authority to operate the equipment.