

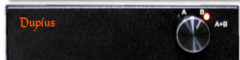


Mitron Duplus DUP-35 is a hardware solution that allows a user to switch between two bootable drives with ease. With the Duplus DUP-35, a user can use multiple drives to achieve a multi-O/S system or multi-user with the added safety of isolating the O/S from each other. Sophisticated user can make their PC a true multi-boot system by having one bootable drive installed with Windows O/S while another drive installed with another O/S, Linux for example. Duplus DUP-35 also allows two users sharing a same PC to boot from their own hard drive completely isolates from each other so if a drive is infected with virus, another drive will still boot.

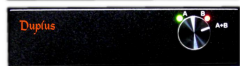
### Three Modes Operation



Boot from **A** drive  
**B** drive is power off



Boot from **B** drive  
**A** drive is power off



User select boot from **A** or **B** drive  
Both **A** & **B** drives are switched on

### Fit 3.5" front bay



- Ø Separate two bootable drives isolating HDD from each other prevents virus infection from one HDD to another
- Ø Easy installation and straight forward operation
- Ø Three modes operation with LEDs indication – boot from A, boot from B, user selectable boot A+B
- Ø The A+B mode allows two HDD to be power on making file sharing possible between two HDD
- Ø MCU controlled preventing a user to accidentally shut down the hard drive in use while the system is power on. To select another bootable HDD, the system needs to be powered off for the change to take effect.
- Ø Convert 4 pin Molex 12V & 5V input from PSU to 12V, 5V & 3.3V output for SATA HDDs

### Parts list:

- 1 x 3.5" front bay HDD selector
- 2 x custom 5 pin housing to Molex 4 pin and SATA power HDD cable
- 4 x mounting screw
- 1 x installation instruction (this document)

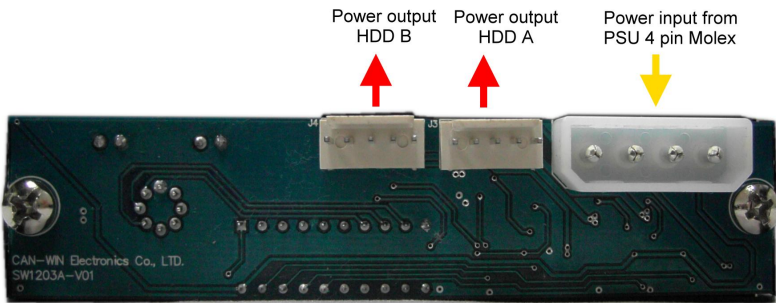
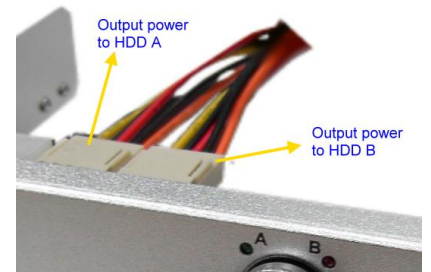
## Installation Instruction

### Step 1.

Connect the enclosed 5 pin housing cables to the HDD selector

### Step 2.

Connect 4 pin Molex power from PSU to the HDD selector - the 4 pin Molex supplies input power to the HDD selector.

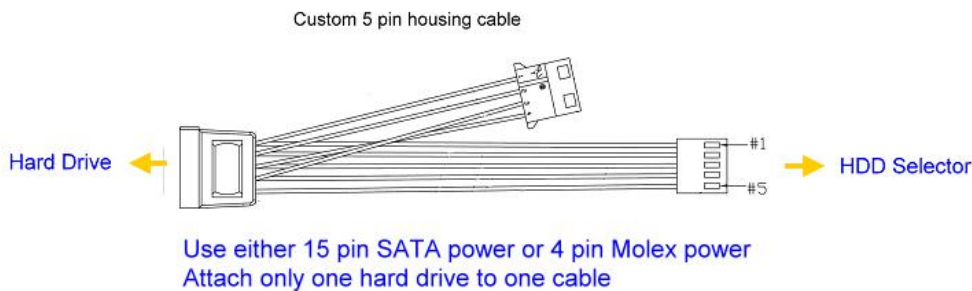


### Step 3.

Insert the HDD selector to 3.5" drive bay and fasten it with the mounting screws.

Connect the other end of the 5 pin housing cable that is connected to "**Power output HDD A**" to a hard drive which you would call it as **HDD A**. Connect the other end of the 5 pin housing cable that is connected to "**Power output HDD B**" to a hard drive which you would call it as **HDD B**.

Even though the other end of a 5 pin housing cable comes with both 4 pin Molex and 15 pin SATA power connectors, **please make sure that you connect only one hard drive to either Molex 4 pin or SATA 15 pin power and leave another one unused.**



## What does HDD selector do?


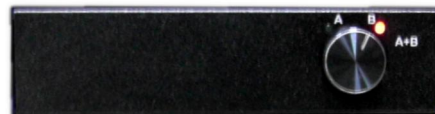

The HDD selector allows the user to control which of the two hard drives connected to the device is supplied with power and which is cut off from the power. The hard drive selected by the user on the device will be supplied with power and therefore become the system boot hard drive when PC is switched on.

## How to operate?

The HDD selector has three modes selectable by turning the knob on the panel. To prevent a booted hard drive be shut down accidentally, a mode can only be changed when the PC is powered down. When the PC is still powered on, the mode won't change even if the knob is turned.

**\*\* The PC's "reset" button won't change the mode because the PC is not actually powered down when the button is pressed.**

Three modes are as below:

Modes	Boot Disk	HDD A	HDD B	To change mode
	HDD A	Power On	Power Off	<ol style="list-style-type: none"> <li>1. Power down the PC</li> <li>2. Turn the knob on the panel</li> <li>3. Switch on the PC</li> </ol>
	HDD B	Power Off	Power On	
	User selectable	Power On	Power On	

**\*\* When "A+B" mode is selected and both drives are powered on, the user can manually choose which hard drive to boot with BIOS multi-boot menu. Please consult your main board instruction for multi-boot menu.**

## How to use the HDD selector?

Because the HDD selector can control which hard drive is powered on, the user will be able to choose which O/S system to boot by turning the knob to choose the hard drive. When a hard drive is booted, it's completely isolated from another hard drive that is cut off the power. One of many benefits is that if a hard drive is infected with virus, it won't spread to another hard drive. Another possible use is that a user can keep a clone copy of the system in one of the hard drives so if the main hard drive went wrong, the user can power down the PC and select the clone backup hard drive to boot and everything is back.

Below is a list of possible usages of HDD selector:

HDD A	HDD B	Benefit
O/S 1	O/S 2	Same PC with two different O/S that is completely isolated from another so a virus won't spread from an O/S to another.
O/S 1	O/S 1	One hard drive for work and another for gaming/entertainment; both hard drives have the same O/S
O/S 1 for user 1	O/S 1 for user 2	Each user owns a hard drive that uses the same O/S. One user got virus infection won't spread to another user.
O/S 1 for user 1	O/S 2 for user 2	Each user owns a hard drive that uses different O/S. One user got virus infection won't spread to another user.
O/S 1	O/S 1 clone copy	Backup copy that can be booted when the main drive went wrong

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