

USB2.0 MAGIC BRIDGE ADAPTER



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■ Trademarks

All name and product's trademarks mentioned below are the property of their respective companies.

■ Introduction

The Magic Bridge is an USB to IDE and eSATA to SATA dual interfaces bridge adapter. It allows you to connect an existing ATA/ATAPI/ IDE interface device via USB port or SATA interface device via eSATA port. Depending on the power adapter provided it is possible to work both interfaces at the same time. The Magic Bridge does not require any ID or jumper setting requirement. It provides a quicker, easier and more flexible storage bridge for your storage equipments.

■ Hardware Requirements

- IBM® PC or Macintosh® computer with one USB2.0 and/or SATA host connector.
- Requires Windows® ME/ 2000/ XP and Mac® 10.X or higher.
- Windows®98/SE requires device driver.
- Requires standard ATA/ATAPI/ IDE/SATA interface storage devices.

■ Package Contents

Make sure that the following accessories are supplied inside the package.

- Magic Bridge adapter
- External power adapter
- 4-Pin power cord
- User manual
- eSATA cable
- USB cable
- 98 drive disc.
- 40 to 44 pin cable converter (optional item)

■ Your Magic Bridge at a Glance



No.	Functions	Descriptions
1	IDE female 40-pin connector.	For ATA/ATAPI device connection.
2	eSATA connector	Links to a PC eSATA host port via eSATA cable.
3	SATA 22-Pin Signal + power connector.	For SATA device connection.
4	IDE power connector.	Power supply for ATA/ATAPI device power connector via a power cord.
5	DC jack	Accepts 12V/DC from external power adapter.
6	USB port	Links to a PC USB 2.0 host port via USB cable.
7	Powered switch.	Power ON/OFF switch.
8	Power-on indicator.	A red power ready indicator

■ Setting Up

Important Safety Precautions

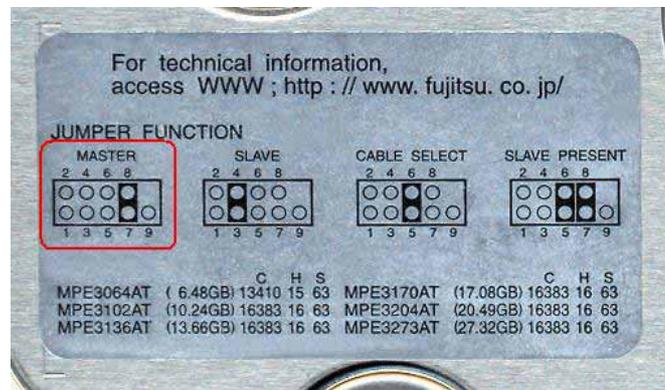
Please always follow the basic precautions listed below to avoid any possibility of serious injury from electrical shock.

- ☞ Make sure your computer is electrically grounded. Otherwise there is an increase risk of electric shock.
- ☞ Make sure your hands are dry. Otherwise there is an increase risk of electric shock.
- ☞ Touch the exposed metal casing of your computer's power supply before you handle the Magic Bridge adapter and storage device to prevent damage from static discharge.
- ☞ Handle bare IDE/ATA/ATAPI/SATA devices by the metal housing to avoid touching the electronic components.
- ☞ Any contact of conductible materials to the exposed component of your storage hard drive is prohibited. It may damage your device via a short circuit.
- ☞ Use IDE/ATA/ATAPI/SATA devices and Magic Bridge on a flat table with firm connection. To prevent any accidental fall off.

■ Connecting IDE/ATA/ATAPI/ devices

When you use an ATA or ATAPI device you must connect to computer host via USB port. It does not work via eSATA port. You can set up the device following these steps:

1. Make sure the powered switch is place in off position.
2. Set your ATA/ATAPI device hardware configuration in **MASTER** position first, you can refer to the configured jumper table on the device. Following is a picture showing an ATA hard disk drive configured jumper setting.



3. Connects Magic Bridge's 40-Pin female connector to your ATA/ATAPI device's 40-Pin male IDE connector, the connection should be precise and completely accessible inserted in alignment order.
4. Insert the 4-P powered cord connector to your device's DC input power connector and the RED wire should be on the side of IDE connector.
5. Plug external power adapter to the Magic Bridge's DC jack.
6. Connect USB cable to your PC USB 2.0 host port.
7. Slide the power switch to ON the Magic Bridge will start operating.
8. You can refer to the following photos for drive connection.

Note: The **Magic Bridge** can work with both USB 1.1 and USB 2.0 host port, but to achieve a high-speed data transfer rate. We recommend you connect to an USB 2.0 high-speed host port.

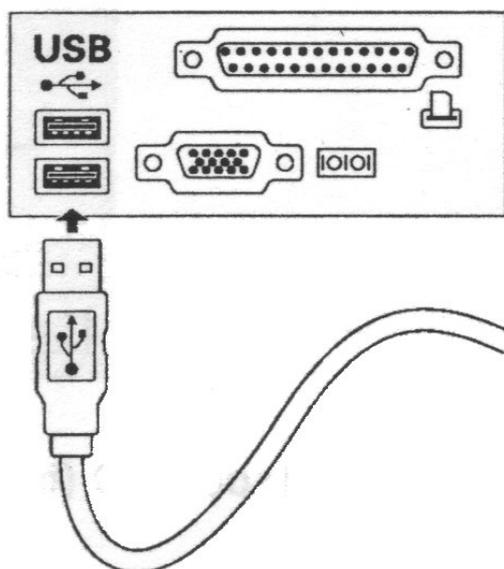


WARNING:

To avoid damage of hard drive, please handle with great care. Do not shake or drop your hard drive. It may damage your storage device.



The USB "A" plug end connect to computer USB host port



■ Connecting SATA devices

When you use a SATA device you must connect to a computer host via eSATA port. It does not work with USB port. You can set up your device following these steps:

1. Make sure the powered switch is place in off position.
2. Connects Magic Bridge's SATA connector to your SATA device connector, the connection should be precise and completely accessible inserted in alignment order.
3. Plug external power adapter to the Magic Bridge's DC jack.
4. Connect eSATA cable to your PC eSATA host port.
5. Slide the power switch to ON the Magic Bridge will start operating

You can refer to the following example photo of SATA hard drive connection.



■ Connecting both ATA/ATAPI and SATA devices

(Depending on power adapter provided)

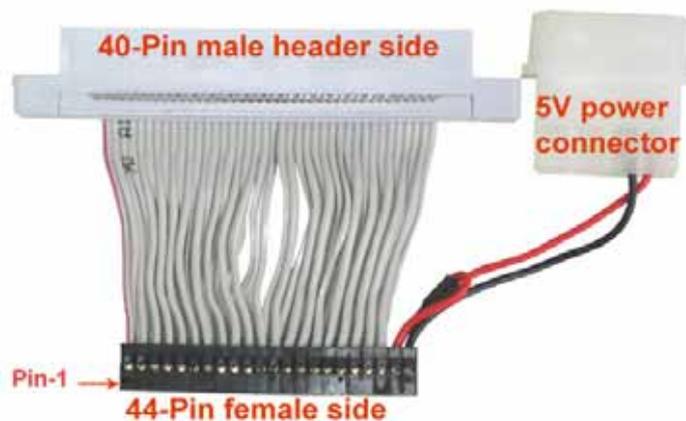
The Magic Bridge allows you install both ATA and SATA devices if power adapter supply over than 5A current, otherwise you can only use one device. You can set up both devices following these steps:

1. Make sure the powered switch is place in off position.
2. Connects ATA/ATAPI and SATA devices to Magic Bridge as above-mentioned process.
3. Connect eSATA cable and USB cable to your PC eSATA and USB host port.
4. Slides the powered switch to ON, Windows will automatically detect your devices.
5. You can refer to the following example photo for dual interfaces connection.

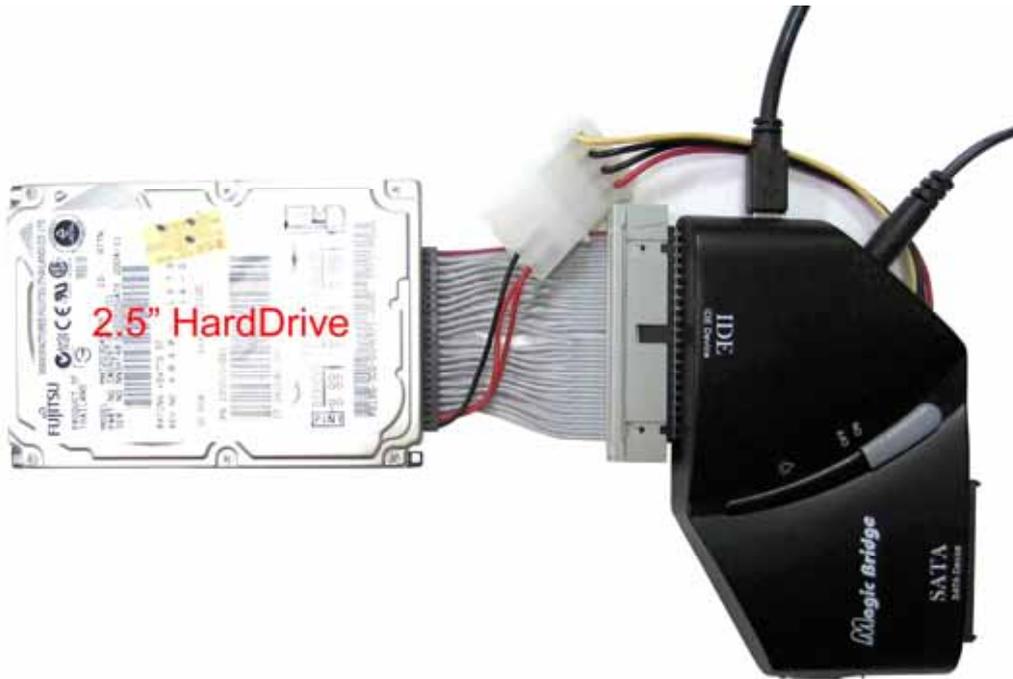


■ **Connecting 2.5 inch IDE hard drives**

The Magic Bridge allows you to connect a 2.5inch hard drive via a 40Pin to 44Pin cable converter as following figure. (This item is an optional accessory, it may not include for this package.)

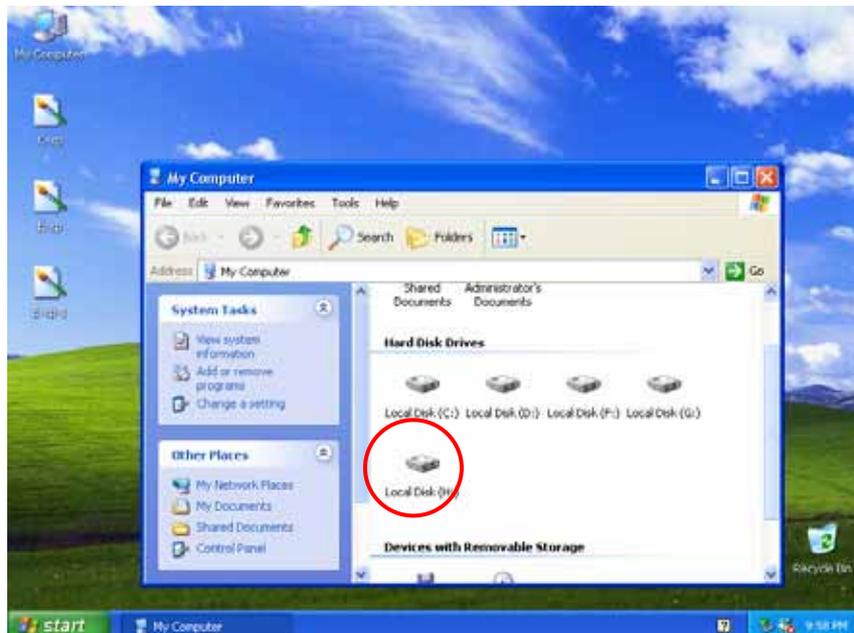


- 1) Connect 40-pin male header of converter to Magic Bridge's 40-Pin IDE female connector.
- 2) Connect 44-pin female header into 2.5" hard drive disk's dual row header completely, and the mark pin-1 should be matched with the 44-pin female flat cable red wire pin. Refer to the following photo.
- 3) Connect both 4-P and 2-P 5V power connectors together, their red wire should be in the same side.
- 4) Connect Magic Bridge USB cable to your PC's USB host port.
- 5) Slides the powered switch to ON.



- Start from Windows[®] ME、 2000、 XP and Mac OS

The Magic Bridge is driver-free for Windows[®] ME、 Windows[®]2000、 Windows[®]XP and Mac OS, you don't have to install any driver, just connect your storage device following the setup instruction, then turn on the power switch, Windows will automatically detect and reveal a new storage disk icon on “**My Computer**” windows.



■ Indicator Description

There is a red power indicator for power ready diagnosis.

■ Safely Remove Magic Bridge

You must disable the “safe removal” icon on the taskbar, and “turn OFF” the power switch before you remove the Magic Bridge adapter.



■ Product Specification:

Bridge	USB to IDE	eSATA to SATA
To PC interface	USB 2.0	eSATA
Device interface:	ATA/ATAPI/ IDE connector	SATA signal & power connector
Bridge Chipset	MYSON 8818	Pass through with power supply
Applications:	3.5"/5.25" ATA Hard Disk Drive, ATAPI CD ROM, CDR/W, DVD ROM, DVD/RW etc devices.	3.5" SATAI/II Hard Disk and other new SATA storage devices.
Indicators	Red indicator for Power ON display	
Power Switch:	Slide type power switch	
DC Jack:	DC12 Volt input; 2.5Ø plug	
Power Adapter:	AC input: 100-240VAC, auto-ranging. DC output: 12V/5A/2.5Ø or DC12V/2A	
USB Cable:	100 cm USB cable for host connectivity (USB A to mini USB cable)	
eSATA cable:	100 cm eSATA to eSATA cable	
IDE power cord:	10cm 4-Pin connector. (5V:Red wire; 12V:Yellow wire)	
Support OS	Windows® : Windows® 98SE/ ME/ 2000/ XP. Macintosh® : Mac® 10.X or higher	
Housing Material:	Plastic ABS	
Housing Dimensions	110*67.6*24.5 mm (W*D*H)	
Unit Weight	90g	
Storage Temperature	-20°C~60°C	
Operating Temperature	5°C ~ 50°C	
Certificated:	FCC、 CE.	
All Materials:	RoHS compliant	

* This specification may be revised without notice.

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