

Other World Computing

Multi-Mount

3.5" to 5.25" Drive Bay Converter Bracket

2.5" to 3.5" Drive Bay Converter Bracket



Assembly Manual

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IMPORTANT NOTE:

The OWC Multi-Mount drive mounting system brackets are sold both individually, and also as sets. This manual encompasses both types of brackets. Please be aware that the item you purchased may not include all of the items listed here. Please see your invoice for specific items ordered.

Thank you for purchasing the OWC Multi-Mount system. We're confident that it will provide years of high-performance service to you.

This guide will get you up and running quickly, demonstrating how to install your own hard drives into the OWC Multi-Mount bracket system and into 2 common types of computers.

Should you require additional support after reading this manual along with the helpful tips and FAQs, please see the inside back page for OWC customer support options.



Your computer is a static-sensitive device. It is susceptible to invisible damage if not protected during installation.

We recommend proper grounding through the use of a grounding strap. Be sure to work in a clean and static-free area, and avoid wearing clothing that retains static charges. For more information, please visit

<http://www.macsales.com/static>

Got tools? If you don't have the tools necessary to complete this installation, Newer Technology has a fantastic toolkit which includes everything you need to perform this and most other common computer hardware installations.



It's available at:

<http://www.macsales.com/tools>

1 INTRODUCTION

1.1 System Requirements

1.1.1 Computer Requirements

Any computer system with an available 5.25" or 3.5" optical or hard drive bay.

1.1.2 Hard Drive Requirements

The OWC Multi-Mount is designed to work with any 3.5" or 2.5" mechanical-hard disk drive, or SSD drive.

1.1.3 Tool Requirements

- Phillips #1 or #2 Screwdriver

Note: Depending on the computer you are installing this into, there may be additional tools required - see your specific system instructions for more details.

1.2 Package Contents

Item

- ① OWC Multi-Mount 3.5" Drive Bracket (2 required)*
- ② OWC Multi-Mount 2.5" Drive Bracket (2 required)*
- ③ Screws for 2.5" Bracket - Fine Thread (6 pieces)*
- ④ Screws for 3.5" Bracket - Coarse Thread (16 pieces)*
- ⑤ Installation Manual

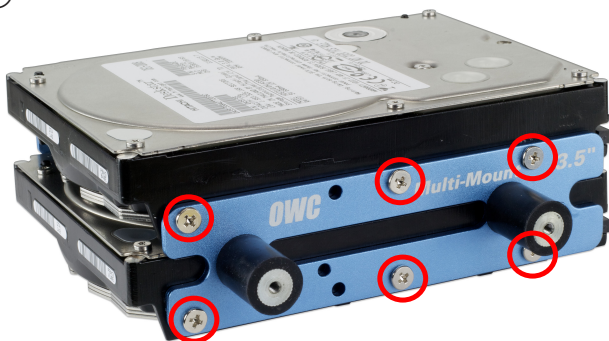
***NOTE:** Depending on model purchased, contents may differ. Sold as individual units, and as complete sets. Please check your invoice for proper contents.



2 3.5" BRACKET ASSEMBLY

2.1 Installing either 1 or 2 3.5" Hard Disk Drives

①



Begin by positioning the bottom 3.5" hard disk drive with the connection ports facing away from you, and then pick up the OWC Multi-Mount 3.5" drive bracket that has the white OWC Multi-Mount 3.5" silkscreening on it.

Place the OWC Multi-Mount onto the bottom 3.5" hard disk drive using the center Phillips screw - coarse thread - and don't tighten it all the way yet. Leave it loose.

Attach a second screw to one of the outside holes, that will make sure that you have the bracket centered on the hard disk drive. Then, you can insert the third screw and tighten all 3 of them firmly.

If you are going to install a 2nd 3.5" drive in the OWC Multi-Mount, continue with installation of that drive now following the same instructions. You do not have to install 2 drives into the bracket and can add a 2nd drive at any time.

2 3.5" BRACKET ASSEMBLY

2.1 Installing either 1 or 2 3.5" Hard Disk Drives

②



Once you have the right bracket installed, rotate the hard drive and attach the left side bracket using the same method as step 1.

You also can add a 2.5" hard disk drive using the OWC 2.5" Multi-Mount. See the next chapter if you are wanting to install a mixed environment of drive mechanisms.

The OWC 3.5" Multi-Mount assembly is ready to install into your system. Continue to chapter 3 for common installation photographs.

2 2.5" BRACKET ASSEMBLY

2.2 Installing a 2.5" Hard Disk Drive

①



To install a 2.5" Drive into the OWC Multi-Mount, place the 2.5" drive mechanism on the table in front of you, with the interface connection to the right side.

Take the OWC Multi-Mount 2.5" drive bracket that has the white OWC silkscreen on it, and attach it to the drive mechanism as shown above, with the portion of the bracket that has the OWC logo extended off of the drive to the left.

Firmly tighten the large Phillips screws that are held to the OWC Multi-Mount bracket through vibration isolation rubber grommets to the side of the hard drive facing you.

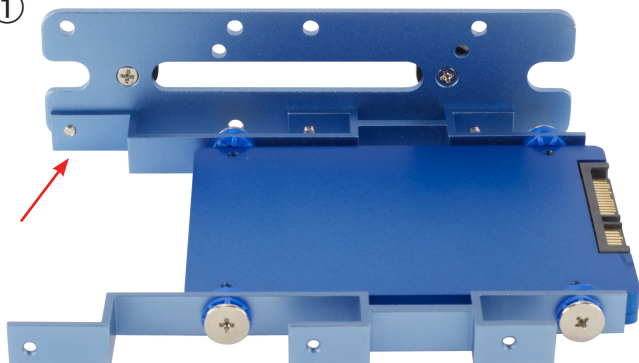
Once attached, rotate the drive around and repeat using the other drive bracket. Make certain that all screws are firmly inserted into the drive.

The OWC 2.5" Multi-Mount is now ready to install into a 3.5" drive bay, or into the OWC 3.5" Multi-Mount. Continue to chapter 3 for common installation photographs.

2 BRACKET ASSEMBLY

2.3 Installing 1 or 2 2.5" Hard Disk Drives into the OWC Multi-Mount

①



Once you have the 2.5" OWC Multi-mount attached to the 2.5" hard disk drive, you can install up to (2) 2.5" drives onto the 3.5" OWC Multi-Mount bracket.

In the above picture you see an arrow pointing towards the extended portion of the 2.5" OWC Multi-Mount bracket. That would be the front of the drive, the 2.5" OWC Multi-Mount bracket says "OWC" silkscreened in white right on that portion of the bracket. You need to place the bracket in this orientation to properly install.

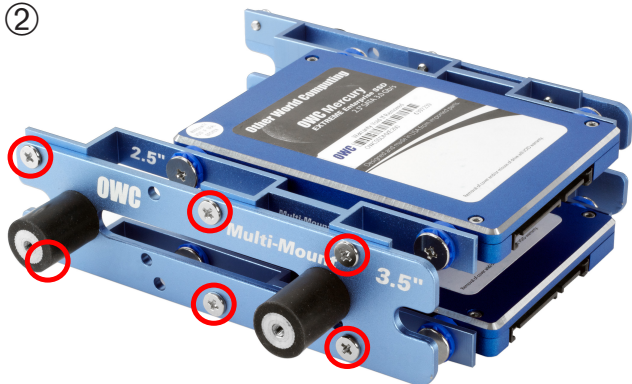
The 3.5" OWC Multi-Mount bracket that you are attaching the 2.5" OWC Multi-Mount bracket to has the white OWC text silkscreening on it as well. Use that as your orientation.

The picture on the next page may also assist in orientation.

2 BRACKET ASSEMBLY

2.3 Installing 1 or 2 2.5" Hard Disk Drives into the OWC Multi-Mount

②



Here you see a completed assembly comprised of one set of 3.5" OWC Multi-Mount drive brackets, and two sets of 2.5" OWC Multi-Mounts, all assembled into one unit.

The 2.5" OWC Multi-Mount is attached to the 3.5" OWC Multi-Mount using 6 of the fine thread Phillips screws included with the mount - 3 per side, 6 total per drive bracket assembly. It's easiest to start the center screw, but not fully tighten it, and then insert the outer two screws. This assures that you have the bracket lined up perfectly before continuing.

Depending on the installation you choose for your system, the 3.5" to 5.25" OWC Multi-Mount adapter bracket may not be needed - but in many applications such as installation into the Mac Pro, this is the best way to add 2 more 2.5" Hard Drives into your system.

Continue reading chapter 3 for more options and installed photographs.

2 BRACKET ASSEMBLY

2.4 Installing 1 2.5" Hard Disk Drive and 1 3.5" Hard Disk Drive into the OWC Multi-Mount

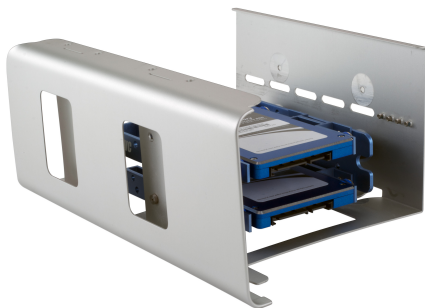


This is a completed assembly comprised of one set of 3.5" OWC Multi-Mount drive brackets, and one set of 2.5" OWC Multi-Mount, all assembled into one unit. Be sure to orient the bracket so that the SATA ports both point towards the rear of the Multi-Mount.

Continue reading chapter 3 for more options and installed photographs.

3 BRACKET INSTALLATION

3.1 Installing the OWC Multi-Mount into a Mac Pro



The Mac Pro has 2 5.25" optical drive bays that work perfect for adding extra hard drives into. Use the OWC Multi-Mount in either a single 3.5" hard drive configuration, a mixed 3.5" and 2.5" configuration, or with 2 2.5" hard drives using both the 3.5" and 2.5" OWC Multi-Mounts.

Attach the OWC Multi-Mount using the 4 screws that come already installed in the Mac Pro's optical drive bracket.

3 BRACKET INSTALLATION

3.2 Installing the OWC Multi-Mount into a generic PC case



Here you see a PC case with the 2.5" OWC Multi-Mount drive brackets installed in both a 5.25" (top) drive bay, and also in a 3.5" drive bay (bottom).

Depending on the enclosure you're installing the OWC Multi-Mount into, the methods of installation will vary. Just remember to properly orient the brackets, and use the correct screws which are included to securely fasten the OWC Multi-Mount into the chassis.

4 TROUBLESHOOTING & TIPS

4.1 Troubleshooting

Having problems installing? Go back and examine the steps and photographs. Most fit issues can be traced to missing a step or a screw.

Double check that your brackets are facing the correct direction and that you are not orienting the drive backwards. You want to be sure that the SATA ports are pointing in the right direction for your case installation.

Each computer is different and this bracket is designed to be flexible enough to work in any situation. If you do not have the correct bracket or enough brackets for your system they are available individually so you can mix and match the brackets to accommodate nearly any computer system.

4.2 Usage Tips

Once you have installed your drives into the OWC Multi-Mount bracket system, route your cables using the shortest path possible, but definitely use any holes or grommets that your case has to offer. Don't pinch any cables and make certain to not route your wires over sharp edges or corners.

Need cables?

OWC's website has a wide variety of SATA and power cable offerings. Depending on your installation type, you may need straight, left angle, or right angle SATA cables, or even more unusual power converter cables.

All are available at:

<http://eshop.macsales.com/shop/hard-drives/Cables-Mounting-Kits/>

5 APPENDIX

5.1 FAQ

The following FAQs are provided as general help with storage solutions and are not unique to the OWC Multi-Mount but rather would apply to your hard drives that you have chosen to install into the mounting system.

Q: How do I format my storage solution?

A: OWC has detailed instructions online for most popular operating systems, located at: http://eshop.macsales.com/tech_center/fw HDD.cfm

Q: What file system should I choose when formatting my drive?

A: This will depend on how you want to use the drive, but in general we recommend:

- Mac OS X : HFS + (Mac OS Extended)
- Windows 2000/XP/Vista/7 : NTFS
- For cross-platform compatibility, FAT32 will work, but single file sizes are limited to 4GB. Other options using 3rd party software exist but are not covered here.

Q: Will the hard drives spin down when my computer goes to sleep or into stand-by mode?

A: Yes, they will spin down to save energy. It will take about 30 seconds to access your data after being in sleep or stand-by mode.

5.2 About Data Protection

To ensure that your files are protected and to prevent the loss of your data, we strongly suggest that you keep two copies of your data: one copy on your primary hard drive, and a second copy on either your secondary internal hard drive or another storage medium, such as an optical backup, or on a second external hard drive. Any data loss or corruption while using the OWC Multi-Mount is the sole responsibility of the user, and under no circumstances will Other World Computing be held liable for compensation or the recovery of any lost data.

6 CUSTOMER SERVICE

6.1 Before Contacting Customer Service

- Read this manual and review Chapter 4: Troubleshooting & Tips.
- Try to confirm the problem is with the hard drive. If you have a second computer, move the enclosure to that system and verify that the solution does not function with that machine.
- Visit our tech center for more support suggestions, including FAQs.
http://eshop.macsales.com/tech_center/index.cfm

If you still need support, please have the following available to you:

- The serial number of the enclosure
- Your invoice number
- What operating system you are using
- Which kind and model of computer you are using

All of this will help speed your support contact along.

6.2 Support Hours Of Operation

8AM - 10PM CT Monday - Friday

9AM - 4PM CT Saturday

By Telephone - (800) 275-4576 (North America only)
International customers please call (815) 338-8685

Live Chat is available 24 hours a day, 7 days a week . Visit:
<http://eshop.macsales.com> for more information.

Or, you can email. Submit your email at
<http://eshop.macsales.com/Service/Tech.cfm>

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FCC Statement:

Warning! Modifications not authorized by the manufacturer may void the user's authority to operate this device.

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference with radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

NOTE: 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 with 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 to an outlet on a circuit different from that to which the receiver is connected.

Health And Safety Precautions:

- Use proper anti-static precautions while performing the installation of your hard drives into this drive enclosure. Failure to do so can cause damage to your drive mechanisms, and / or the hard drive enclosure.
- Read this User's Guide carefully, and follow the correct procedure when setting up the device.
- Do not open your hard drive or attempt to disassemble or modify it. Never insert any metallic object into the drive to avoid any risk of electrical shock, fire, short-circuiting or dangerous emissions. Your hard drive contains no user-serviceable parts. If it appears to be malfunctioning, have it inspected by a qualified Other World Computing Technical Support representative.
- Never expose your device to rain, or use it near water, or in damp or wet conditions. Never place objects containing liquids on the drive, as they may spill into its openings. Doing so increases the risk of electrical shock, short-circuiting, fire or personal injury.

General Use Precautions:

- Do not expose the enclosure to temperatures outside the range of 5° C to 40° C (41° F to 104° F). Doing so may damage the drive or disfigure its casing. Avoid placing your drive near a source of heat or exposing it to sunlight (even through a window). Conversely, placing your drive in an environment that is too cold or humid may damage the unit.
- Always unplug the hard drive from the electrical outlet if there is a risk of lightning or if it will be unused for an extended period of time. Otherwise, there is an increased risk of electrical shock, short-circuiting or fire.
- Use only the power supply shipped with the device.
- Do not use the hard drive near other electrical appliances such as televisions, radios or speakers. Doing so may cause interference which will adversely affect the operation of the other products.
- Do not place the drive near sources of magnetic interference, such as computer displays, televisions or speakers. Magnetic interference can affect the operation and stability of your hard drive.
- Do not place heavy objects on top of the drive.
- If you detect a problem, consult the Troubleshooting section in this manual.
- Protect your hard drive from excessive exposure to dust during use or storage. Dust can build up inside the device, increasing the risk of damage or malfunction.
- Other World Computing recommends the use of normal glass cleaning products to keep the high lustre finish at its finest with this product. Be sure not to get any moisture inside the holes and if you do, allow time to air dry before use.
- Do not block the ventilation outlets on the front of the drive. These help to keep your drive cool during operation. Blocking the ventilation outlets may cause damage to your drive and cause an increased risk of short-circuiting or fire.



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