



CAVALRY™

Instruction Manual

CABD2B BULLDOG

Portable USB 3.0 Single-Bay Dock



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FEATURES

Thank you for purchasing the Cavalry Bulldog Portable Single-Bay USB 3.0 Dock. The Bulldog was designed for portability and ease-of-use. The Plug and Play design means that there are no bothersome drivers to install or update. The fun and ultra-light form factor was designed to fit in your pocket with minimum required accessories. For users with multiple drives, the Bulldog is inter-lockable with other Bulldog docks. Try stacking multiple units in place!

- ❖ Up to 640MB/S Maximum Transfer Speed (USB 3.0)
- ❖ USB 2.0 Support for Broad Multi-OS Compatibility
- ❖ Up to 2 TB Total Capacity (Dependant on OS)
- ❖ Hot-Swappable
- ❖ 2.5" and 3.5" SATA II Drive Support
- ❖ Interlocking Designs Allows You to Stack Multiple Drives
- ❖ Optional Rubber Drive Protector and Power Supply for a fully Portable 3.5" Drive

PACKAGE CONTENTS

- ❖ **Bulldog Pocket-Dock**
- ❖ **USB 3.0/2.0 Y-Cable**

* Note: Hard drives, rubber casings, and power supplies are not included unless you have purchased a bundle package. Bundle contents vary. Speed of Bulldog dock is limited to the maximum speed of the hard drive in use.



APPLICATIONS

With the price of hard disks falling at ever faster rates, it has become common for avid computer users to have multiple disks containing backups of valuable data. The Bulldog allows you to access your valuable data quickly and accurately, on multiple operating systems. The convenient pocket-dock form means you'll have access to any bare SATA drives available with the blinding speed of USB 3.0. The hot-swappable dock design allows you to cycle through as many disks as you like, in mere seconds; all without ever restarting your PC or Mac!

SYSTEM REQUIREMENTS

❖ OS Compatibility:

Windows 7/Vista/XP/2000, Mac OS X 10.3+

❖ Hardware Requirements:

USB 3.0 or USB 2.0 Port

❖ Hard Drive Requirements:

3.5" Desktop, or 2.5" Notebook, Internal Hard Drive with SATA II Interface

❖ Operating Environment with Hard Drive:

Temperature Operating: 41° - 131° F

Non-Operating: 40° - 149° F

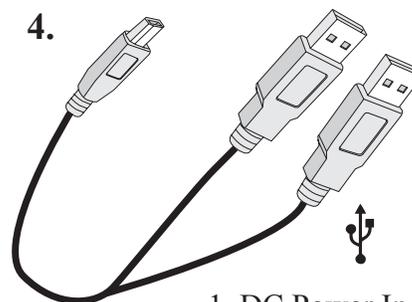
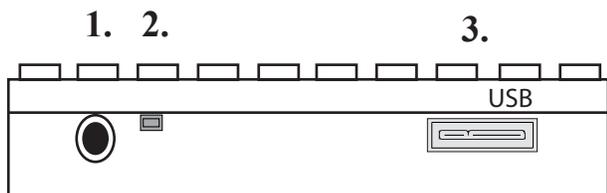
Relative Humidity Operating: 8% - 90% RH
non-condensing

Non-Operating: 5% - 95% RH
non-condensing

SPECIFICATIONS

- ❖ **Model #:** CABD2B-[BL, G, R, Y, B] aka Bulldog
- ❖ **Interfaces:** Internal: SATA II; External:
1 x USB 3.0 - Up to 640MB/S
- ❖ **Power Supply:** 2 x USB Ports via Y-Cable. Additional
Power Supply Sold Separately
- ❖ **Dimensions:** 3.2" x .6" x .6"
- ❖ **Weight:** 1 oz.

PRODUCT PART IDENTIFICATION



Use only with the optional
Cavalry adapter (sold separately)

1. DC Power In
2. LED-Indicator
3. Mini USB 3.0 Port
4. USB 3.0 Y-Cable

YOUR DISK MANAGEMENT UTILITY

In Windows, they call it “Disk Management”. In Mac, they call it “Disk Utility”. Despite having different names and appearances, both Windows Disk Management and Mac Disk Utility do basically the same thing: they allow you to create, modify and delete any storage volume connected to your computer.

In order to get the most out of your Bulldog Pocket-Dock, you will need to become intimately familiar with your disk management utility. We have included a detailed glossary of the terms, as well as explanations of the functions and procedures you will need to understand, on our website: <http://www.cavalrystorage.com/manuals.aspx>. It’s generally a good idea to keep your disk management utility continuously open while you are setting up your dock and the disks within it.

How to Find Your Disk Management Utility

- ❖ Windows: Navigate to Disk Management: Start Menu>right-click (My) Computer>select “Manage”>select Disk Management.
- ❖ Mac: Click an empty space on your Desktop. Then select (from the top of the screen) Go>Utilities>Disk Utility.

“Seeing” Your New Disk in the Disk Management Utility

In **Mac**, this is a pretty straight-forward affair. Just look at the left-hand column, and search for a newly added disk with the term “DMI” or “USB” in it’s title.

Windows arbitrarily assigns a “Disk Number” to every new disk that is connected; even if the disk does NOT show up in (My) Computer. “Disk 0” is always your system or C: drive. Your Cavalry drive will appear somewhere beneath Disk 0. It will be given a number, like Disk 1 et al. You will probably only be able to recognize it by its size, which will be a little bit less than the quoted drive size. If a connected disk does not appear here, the disk is probably defective. See the troubleshooting FAQ for details.

INSTALLATION OUTLINE

- ❖ Setup Your Dock
- ❖ Find Your Drive
- ❖ Initialize and Format Your Drive

INSTALLATION STEPS

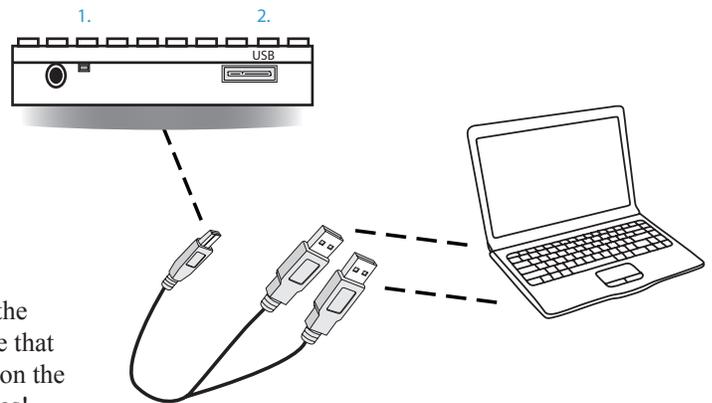
1 STEP 1: SET UP YOUR DOCK

A) Connect the USB 3.0 Y-Cable to your Bulldog.

B) Connect both ends of the included USB Y-Cable* to 2 ports on your computer that you have used recently and know to work well. Take this time to temporarily eject and disconnect any other external storage devices you have. This will make it easier to find any drives you insert into your Cavalry dock.

C) Insert the hard drives that you are going to use into the Bulldog. Check that they are firmly inserted. Be sure that you never touch any exposed circuitry or data ports on the drive or the dock. Hard drives are very fragile devices!

D) Proceed to Find Your Drive below.



*Note: The Bulldog requires both ends of the Y-cable in order to draw power from 2 USB ports simultaneously. If you do not have 2 extra USB ports, contact customer support for information on obtaining the accessory power supply.

2 STEP 2: Find Your Drive

A) Open up the disk management utility of your specific OS. This will be the only control interface for your Bulldog. For more info on the functions of your specific disk management utility, go to <http://www.cavalrystorage.com/manuals.aspx>.

B) Wait for your drive(s) (which you should have just inserted) to appear in your disk management utility. If the drives are blank, “unallocated” or have been formatted on a different operating system, they will need to be partitioned and formatted before they can be used.

C1) Windows users will need to check the “disk number” and see if a drive-letter has been assigned for their drive(s). You can verify your drive by checking that the listed capacity for that disk # is close to that of the quoted drive size. (i.e. 1 TB drive will appear as 931.51 GB)

C2) Mac users will need to check for their drive(s) in the left-hand column of Disk Utility. Cavalry drives will usually be listed as a “DMI” drive of a size very close to the quoted capacity. (i.e. 1 TB drive will appear as 931.51 GB)

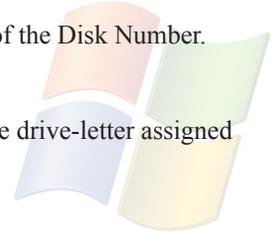
D) Proceed to Initializing and Formatting Your Disk below.

3 STEP 3: INITIALIZING AN HDD WITH DATA

First, look for your drive directly in (My) Computer or the Desktop. If it appears, you can begin using it as normal; without further setup. If it does not show up, you will need to use the guides below according to your operating system:

Windows:

- A) Once you've found your drive in Disk Management using the Find Your Drive Guide, take note of the Disk Number.
- B) Right-click the white-horizontal rectangle next to the disk number of your drive.
- C) Select the "Change Drive Letter or Path" option. Follow the Wizard carefully, and take note of the drive-letter assigned to your Cavalry enclosure.
- D) Look for your drive-letter in (My) Computer and begin using it as normal.



Mac OS X 10.4.0+:

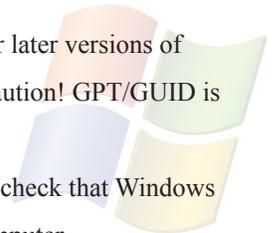
- A) Once you have found your disk in Disk Utility using the Find Your Drive Guide, click on the first entry for your Cavalry drive; the one closest to the top.
- B) This will show you what file system the drive contains at the bottom of the Disk Utility window.
- C) If the disk is unresponsive, you may need to perform "First Aid" and repair the file system of the disk. You may also need to "Partition" it for use with Mac. Be careful, partitioning will erase your data!
- D) If you still decide to partition your disk, refer to the Mac Initialization guide below.



3 STEP 3: INITIALIZING A BLANK HDD

Windows:

- A) Once you've found your drive in Disk Management using the Find Your Drive Guide, right-click the disk number, and then select the "Initialize" option.
- B) Select "MBR/Primary Partition" and "NTFS" for XP, or for drives that are smaller than 1TB. For later versions of Windows (7 and Vista), select "GPT/GUID" and "NTFS" for drives that are larger than 1 TB. Caution! GPT/GUID is not compatible with XP!
- C) Let Windows select a drive letter, as well as the rest of the options. Then press "Finish". Double-check that Windows assigned a drive-letter to your new drive(s). Otherwise, you will not see the drive(s) in (My) Computer.
- D) Now, look for your drive-letter(s) in (My) Computer. Enjoy your new drive!



Mac OS X 10.4.0+:

- A) Once you've found your drive in Disk Utility using the Find Your Drive Guide, click on the first entry for your Cavalry drive; the one closest to the top.
- B) On the right, there will be a row listing operations you can perform on your drive. Select "Partition".
- C) Now select "Volume Format>Mac OS Extended (Journaled)".
- D) Click "Options" and select "Apple Partition Map".
- E) Click "Partition".
- F) Check for your drive in Computer and/or the Desktop. Enjoy your new drive!



 **HDD LED STATUS CODES**

- ❖ **Solid Green:** A healthy, functioning HDD.
- ❖ **Flashing Green:** The connected HDD is reading/writing.
- ❖ **Flashing Green/Red:** The connected HDD is writing or formatting.
- ❖ **Solid or Flashing Orange:** The connected HDD is attempting to access the host PC.
- ❖ **Solid or Flashing Red:** The connected HDD is unhealthy or offline.
- ❖ **No LED:** No power, no HDD is connected, or the HDD is in-operational.

WARNING! Always switch USB cables as your first troubleshooting step for all of the situations below. We suggest that you simply unplug a known-working USB 2.0 or 3.0 cable and plug it straight into your dock, putting your original cable aside. Then, plug the dock into your computer USB port. This allows you to eliminate the possibility of having a defective cable before you even begin!

 **TROUBLE SHOOTING**

- ❖ **I can't see my drive(s)!** If you have followed all of the above steps, and your drive is operational, you should see it in your disk management utility. If you can't, then check the dock using a known-working drive in the same slot. If that drive appears, the previous drive may be defective. If you don't have another drive, plug the drive in question into your computer's motherboard. Look for it in your disk manager application. If you still can't find it after this, you probably have a malfunctioning drive.
- ❖ **I can see my drive on my motherboard, but not in the dock.** If this is the case, there may be a problem with the USB port on your computer. Try connecting the dock to a different computer. If it shows up there, you probably have a bad port on the original computer. If it doesn't you may have a faulty dock. In that case, please contact Customer Support by email or phone in the Contact Us section (Pg. 6).
- ❖ **I see the drive in my disk management application, but not on (My) Computer/Desktop.** This is usually because the drive was not initialized using the procedure described in Installation Outline. Windows users may need to change or assign a new drive letter. It may also mean that the drive is recognized by your computer but uses a different file system from another OS. You would then need to remove all the data from it and then format it as described in the Installation Outline (Pg. 3).
- ❖ **I keep getting the "Device Can Perform Faster" message.** This means that your computer does not support USB 3.0. You will need to purchase an adapter card that allows you to use the USB 3.0 protocol. Please contact us at customersupport@cavalrystorage.com for more details on how to purchase an adapter card.
- ❖ **My drive doesn't seem to fit.** This is probably because you are using an obsolete IDE drive. Our authorized parts retailer sells an enclosure made especially for IDE. Please email us at customersupport@cavalrystorage.com for more details.
- ❖ **If my dock is Hot-Swappable, why do I need to power it down before removing the drives?** Technically you don't. But, if you remove a drive while it is being accessed by an application, or some unseen system process, you run a high risk of damaging your drive and, at the very least, losing data. This is why we recommend that you power off the drive. It's one more thing to do that may remind you to close any open applications first.
- ❖ **How do I create a drive that can be used on both Mac and Windows?** You need to format a drive specifically with the FAT32 file system. This can most easily be done on a Mac, in Disk Utility. Just select the drive you want to use. Then select "Erase>MS Dos (Fat)> Erase..." Once created, this disk will be usable by both operating systems!
 - ❖ **But I can see my Windows disk on my Mac (or vice versa)!** Yes, you can often see a Windows disk on a Mac or a Mac disk on Windows. You may even be able to pull files off of it. But, you WON'T be able write to that disk unless it is formatted to FAT32. This goes both ways.



WARRANTY INFORMATION

Cavalry Storage Inc. (“Cavalry Storage”) warrants all new equipment manufactured by Cavalry Storage (including any accessories included with its products) and sold by an authorized distributor or authorized reseller against defects in material or workmanship for one (1) year from the product’s original date of purchase as follows:

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- **Freight Costs:** Customers are responsible for all freight costs to Cavalry Storage’s service centers. Cavalry Storage and its service centers are not responsible for products lost during shipping to its facilities.
- **Data Recovery:** Data recovery, defined as the retrieval of data from a damaged or corrupted drive, is not included in Cavalry Storage’s warranty. Should customers need data recovery, please consult an independent service provider.
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- **Packing and Shipping:** Any product sent to Cavalry Storage, Inc. for service or repair must be packed and shipped according to the Cavalry Storage standards and guidelines. Please note that packages received which deviate from Cavalry Storage packing and shipping standards may be rejected.

Failure to comply with any of the above will result in delays and will ultimately result in a voided warranty. Please contact customersupport@cavalrystorage.com if you have any questions.

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The information given is a summary of the full Cavalry warranty. Please go to <http://www.cavalrystorage.com/rma.aspx> for more warranty details.



CONTACT INFORMATION

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