

# Logicube FAQs v1.0

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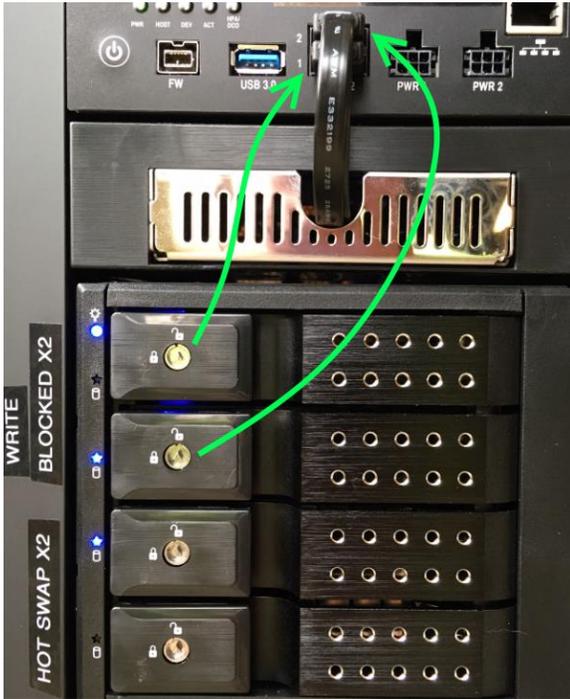
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## Write Blocked HotSwap Bays

3.5" trayless hot swap bays (Black – shown below) are located at the middle-front of the case. Full size 3.5" hard drives can simply be inserted until they stop, then the rest of the drive will be pushed in while closing the bay door. **Its important not to force the drives while pushing on the door to close.** You should feel the drive sliding in the last inch while applying light pressure when closing the door.



The top two hot swap bays are directly connected to the SAS/SATA ports on the front of the Logicube Write Blocker above them (as shown below). There is no need to connect/disconnect anything on the front of the Logicube write blocker when connecting a hard drive. Simply insert the evidence hard drive in to one of the two top hot-swap bays. For USB device Write Blocking: A USB 3.0 hub can be connected to the USB 3.0 port or a single USB device can be connected directly to the USB 3.0 port on the Write Blocker. A user guide for the Logicube Write blocker is available on the CD in the Write Blocker's box. Please read notes below before reading the user guide. It's recommended to contact FAST Forensics for a quick remote tour and run down on using the write blocker as there are some unique features.



### How do I insert a 2.5" HDD/SSD?

To use one of these bays for a 2.5" hard drive or SSD, utilize the 2.5-to-3.5 conversion tray provided (shown below). Note that there are two versions of these devices. You may receive either one. One model ends in 1B and the other in 2B. Click [HERE](#) to see a video showing how to use the 1B version (the top remains attached) and [HERE](#) for the 2B version (the top fully detaches). Once the 2.5" drive has been inserted in to the 3.5" ICY DOCK conversion tray, the tray is slid in to one of the hot-swap bays above just like a 3.5" hard drive.



### What is the Ethernet port for on the front of the Logicube?

The write blocker can be accessed via a web page if an Ethernet cable is connected to the available Ethernet network port on the front of the Logicube.

### How do I access the web page of the Logicube?

A sticker on the Logicube indicates what URL to enter in your browser to access the web interface ([HTTP://WP-141XXX](http://WP-141XXX)). Ignore the manual's note about the IP of the device being on a sticker on the bottom.

There are two ways to gain connectivity to the web interface of the Write Blocker:

- 1) Connect an Ethernet cable from the port on the front of the write blocker to the same local network that the workstation is connected to. Then browse to the URL above for the write blocker.
- 2) Connect an Ethernet cable between the port on the front of the write blocker and the other end directly to one of the available network adapters on the back of the workstations. This will cause each adapter to receive an APIPA address (169.254.x.x) and now your workstation will be able to connect to the URL for the write blocker. **Note** that this will not allow the write blocker to update its firmware directly from the internet as it will only be able to communicate with your workstation. This option only gives you the ability to access the web page of the Write Blocker.

Sometimes a reboot of the Logicube is necessary to get it to communicate after connecting the Ethernet cable.

### **What can I do in the Logicube web interface?**

- Update its firmware. If you have connected it to a LAN with internet access, this can be done directly from the internet with the click of a few buttons
- Browse the drives that are connected to it under **USB DEVICE -> DRIVES**
- Reset its back-end USB host connection to the workstation (necessary sometimes to get connected drives to show up in Windows). See further FAQs.
- Manage profiles of saved default settings for the Logicube

### **How many devices can I image simultaneously?**

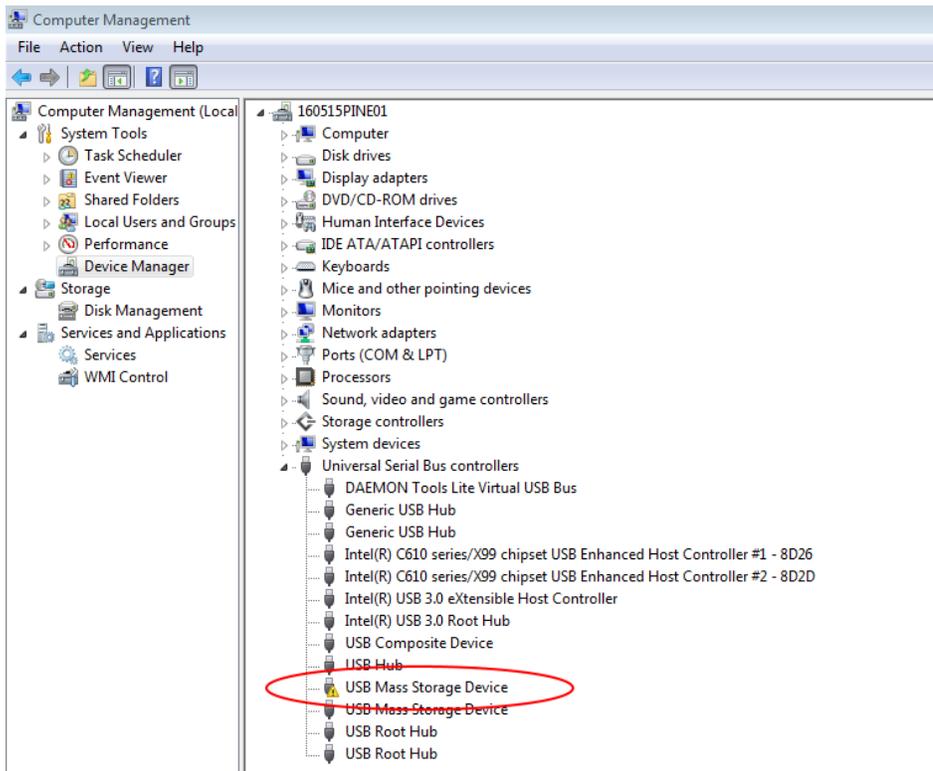
As many as you can get connected! We have tested by connecting two HDD/SSDs to the SATA/SAS ports, then connecting an 8-port USB 3.0 hub to the USB port. We then connected 3 thumb drives and a USB 3.0-to-SATA adapter and connected another HDD to that. ALL 6 devices were then simultaneously imaged using FTK Imager. Note that ALL drives must be connected before starting to image them for this to be possible. See next FAQ for details.

### **Can I connect another drive while a drive is already being imaged?**

You can connect another drive, but you will not be able to begin imaging it until the 1<sup>st</sup> is done. If you connect a 2<sup>nd</sup> drive, it will not show up in Windows until you've reseated the USB connection of the Logicube (see next FAQ). By doing that, you would cause your current drive, that's being imaged, to be dropped out of windows.

### **When I connect a HDD/SSD or USB drive to the Logicube, it doesn't show up in Windows**

When this happens, you should notice in Windows Device Manager that a USB Mass Storage Device has appeared after connecting the drive, but it has a warning symbol on it (as shown below).

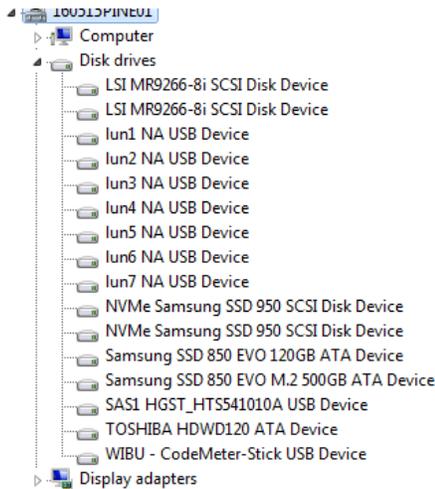


There are two ways to resolve this communication issue between the Logicube and your computer:

- 1) The blue USB 3.0 cable that comes out of the back of your workstation and connects to a USB 3.0 port on the back is the host connection from the Logicube. Simply reseal the cable.
- 2) From inside the web interface of the Logicube, Under **USB DEVICE** on the left, click the **EXPORTS** tab then click the **RE-ENGAGE USB** button (shown below) and click yes when prompted. This accomplishes the same thing as physically reseating the cable as it resets the Logicube's USB 3.0 connection to the host computer.

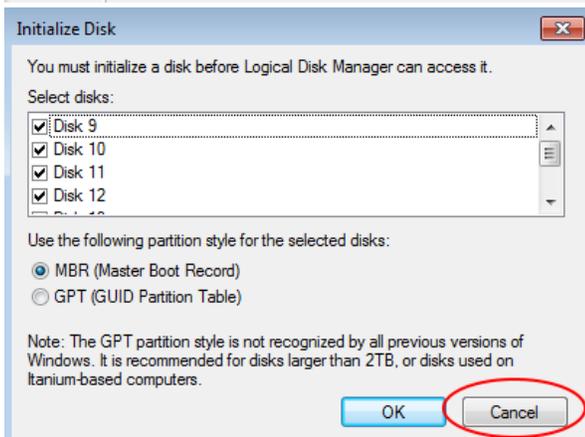


After a few seconds, when checking Windows Device Manager, there should no longer be an exclamation on any USB devices. You will also now notice under Disk drives in Device Manager that there are multiple lunX drives (shown below). These are place holders the Logicube uses in Windows for when drives are connected to it.



Now when looking under Windows Disk Manager you'll see multiple disks shown with no partitions, and also a disk that has the partitions on your evidence drives (shown below). There's one disk for every lun from above. **NOTE** that when opening disk manager you will be prompted to initialize all these disks. Just click cancel (shown below).

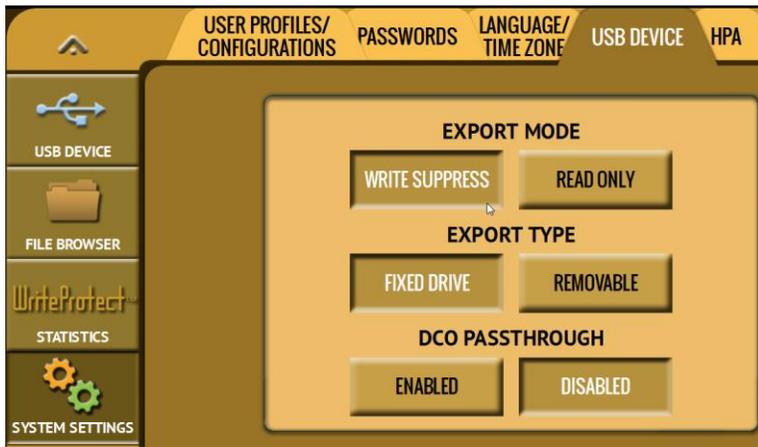
<b>Disk 8</b> Basic 931.39 GB Read Only	400 MB Healthy (Recovery P	250 MB Healthy (EFI System	(K) 909.56 GB RAW Healthy (Primary Partition)	848 MB Healthy (Recovery Parti	(M) 20.35 GB RAW Healthy (OEM Partition)
<b>Disk 9</b> Unknown Not Initialized					
<b>Disk 10</b> Unknown Not Initialized					
<b>Disk 11</b> Unknown Not Initialized					
<b>Disk 12</b> Unknown Not Initialized					
<b>Disk 13</b> Unknown Not Initialized					



## When I connect a drive a message pops in Windows saying I need to format the drive

This is due to the way the Logicube is presenting the drive to the OS and can vary. To resolve:

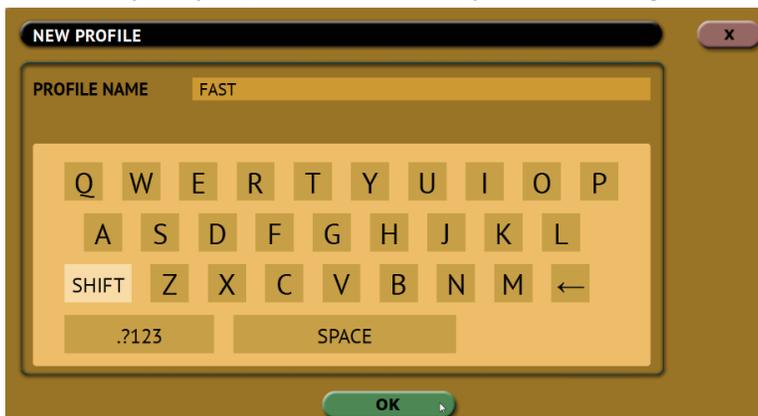
- 1) Access the web page of the Logicube. Click [here](#) for instructions.
- 2) Under **SYSTEM SETTINGS** on the left, then the **USB DEVICE** tab up top, click the **WRITE SUPPRESS** button.



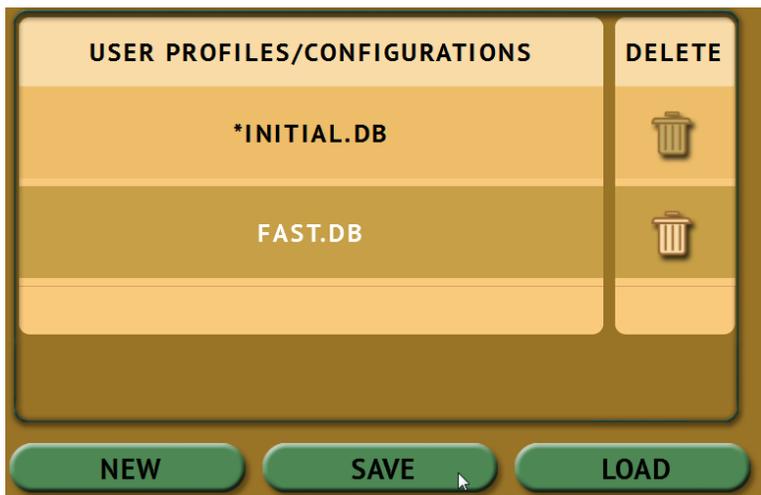
- 3) You must now create a custom config load for the Logicube and load it. Go under the **USER PROFILES/ CONFIGURATION** tab at the top, then click the **NEW** button below.



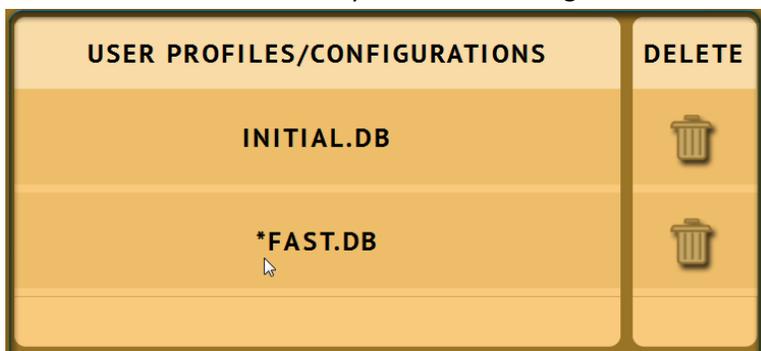
- 4) When prompted, enter a name for your new configuration and click **OK**



- 5) Once returned to the other screen you must save your new configuration. Do so by single clicking your new configuration name and it will be highlighted (dark), then click the **SAVE** button. The save can take a few seconds.



- 6) Now load your new custom configuration by making sure your custom config is still highlighted, then click the **LOAD** button at the bottom. Note that it can take a good 60 seconds for the load to complete. Once complete, the asterisk will move to your custom config line as shown below.



- 7) Test by connecting a new drive to the Logicube, or reset the USB connection to the Logicube and Windows auto-run should simply load the contents of the drive like normal.

### **How do I image an IDE hard drive**

Locate the IDE HDD adapter that came in the Logicube's box along with your workstation. You will need to disconnect one of the two SATA cables from the front of the Logicube, then use the adapter to connect data and power to the IDE HDD.

### **How can I see the Logicube's User Manual**

The user guide should be on your desktop upon receipt of your workstation. If you need a copy, please Email [mvogel@getfastforensics.com](mailto:mvogel@getfastforensics.com). Note that its recommended to follow this guide to gain connectivity to the web interface of the Logicube and not the Logicube's user manual.

### **How can I get user support from Logicube?**

We have found that phone calls can go to voicemail frequently, and better response is sometimes achieved by Emailing.

By Phone:

Support is available Monday, Wednesday and Friday, 7AM-5PM (PST), Tuesday and Thursday, 7AM-4PM (PST)  
818-700-8488, option 3

By Email:

[support@logicube.com](mailto:support@logicube.com)

Its suggested to add the s/n of your Logicube (WP-141XXX) to the Email.