

Forum:[Hack Forums](#)

Thread: [\[TUT\] How to recover missing/unallocated space on a USB drive. \[PICTURES\]](#)

Epoch - February 13, 2012, 4:58 pm

Hello guys! I recently ran into the problem where after I put an Ubuntu image on my 8 GB usb drive for testing, I then uninstalled it and afterwards my USB drive only showed 1.2 gigabytes of free space out of the 8 gigabytes I had had before turning it into a live USB. As you can see - this was very problematic.

I tried programs such as:
Aomei Partition Assisstant
and
MiniTool Partition wizard

Both of which did not resolve the problem. So, after some research I decided that this was the best option. This took about thirty seconds and requires no downloads. As well, it is a recurring problem with many users who choose to create live USB's; here is my solution:

1. First back up all the data from your USB drive to another location.
2. Click Windows start menu, type disk management in the search box and click on "Create and format hard disk partitions"
Spoiler [\(Click to View\)](#)

[img]http://cdn.ampercent.com/wp/wp-content/uploads/post/How-To-Use-DiskPart-Command-To-Fix-Missi_11B7A/create-format-hard-disk-partitions.png[/img]

Spoiler [\(Click to View\)](#)

[img]http://cdn.ampercent.com/wp/wp-content/uploads/post/How-To-Use-DiskPart-Command-To-Fix-Missi_11B7A/disk-management-pane.png[/img]

3. In the image above, you should see your thumb drive labeled "Disk 1" If you see more than "Disk 0" and "Disk 1" then search for the USB drive you need to reformat by looking at which disk currently has the amount of space your USB drive has.

NOTE BE VERY CAREFUL NOT TO DO THIS TO YOUR HARD DRIVE. THIS ERASES ALL DATA.

4. Now, type "Disk Part" into your search bar, you will see this:

Spoiler [\(Click to View\)](#)

[img]http://cdn.ampercent.com/wp/wp-content/uploads/post/How-To-Use-DiskPart-Command-To-Fix-Missi_11B7A/open-windows-diskpart-utility.png[/img]

RIGHT click "Disk Part" if you are using windows 7, and select "Run as Administrator" <--- Important

Backup all data on your thumbdrive (if anything important is on there, this will delete everything and merge your unallocated partition with your primary partition)

5. Now a command window will pop up, type in what I have here; substituting "Disk 1" with the appropriate disk number.

Spoiler ([Click to View](#))

[img]http://cdn.ampercent.com/wp/wp-content/uploads/post/How-To-Use-DiskPart-Command-To-Fix-Missi_11B7A/recover-space-usb-drive-diskpart.png[/img]

On my first try, I got an error when typing: "clean" if you get an error, just type it again and it will work like a charm.

That's it ? I hope that this helps some users solve this problem, because I know that it certainly had me stumped for awhile. If you want to reuse this tutorial just please give me credit, and any thanks is appreciated!

iDuL - February 13, 2012, 8:11 pm

Great noob friendly post.

Good share.

Epoch - February 13, 2012, 8:12 pm

Thank you :) I realized everyone recommends unnecessary tools to fix this reucrring issue when the answer was inside the windows OS all along.