

Install External Disk Drive

Saturday, February 24, 2018 2:33 PM

Install USB Disk Drive

Manual Definition and Connection:

1. Enter: ***sudo fdisk -l*** to find the drive
2. If the drive is an NTFS format and NTFS-3g is not installed, enter:
sudo apt-get install ntfs-3g
3. Make a directory to associate the usb device (example assumes the device=sda1):
sudo mkdir /var/www/disk0
Change the directory owner:
sudo chown pi:pi /var/www/disk0
4. Mount (connect) the device to the appropriate directory and change owner
sudo mount -o uid=pi,gid=pi /dev/sda1 /var/www/disk0
5. List the directory (disk) contents to verify accessibility
ls /mnt/disk0
Automatic Mount During Boot Process
6. Modify fstab: ***sudo nano /etc/fstab***
7. Add a mount entry - ex:
/dev/sda1 /var/www/disk0 vfat defaults 0 2 -OR-
/dev/sda1 /var/www/disk0 ntfs-3g defaults 0 2 (if ntfs file system)
NOTE: DO NOT USE TABS BETWEEN ENTRIES - WILL CAUSE A CRASH ON BOOT!
8. save the file & exit (***ctrl-o -> enter -> ctrl-x***)
9. ***shutdown -r now*** (restart the system and test)
10. See **Backups** to learn how to backup the disk