

Setting Up your O2 mod to use FTP

Section 1 - How to create a disc compatible with the o2mod recovery mode.

What is needed?

- A PC with a CD burner and a Windows OS :)
- **Cdgen 3.0** (do not use older versions because they don't work)
- **ExecFTP Elf** (Available at <http://www.o2mod.com/download.php>)

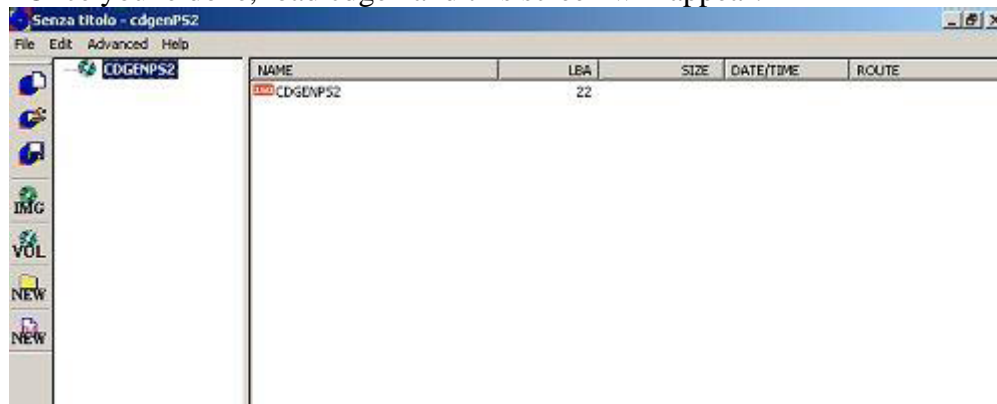
Procedure:

Let's start installing execftp in mode 1 (L1 button at startup):

- Rename the execftp elf to "boot2.elf"

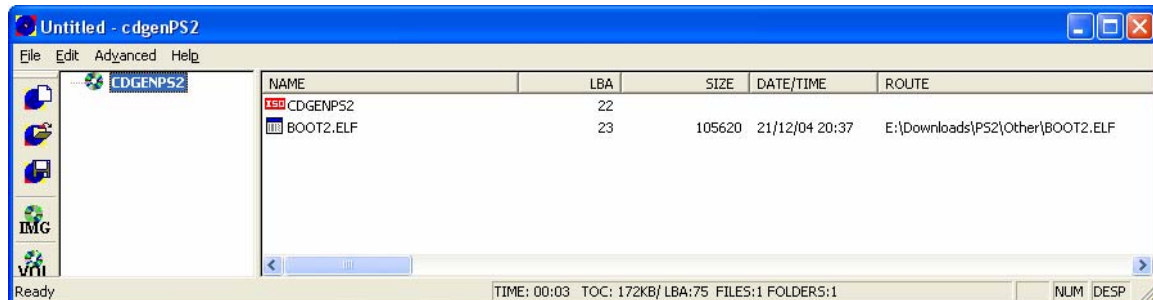
Warning: Renaming the file to "boot2.elf", it will be installed on the memory card in the virtual slot "MC0 MODE", which let you to activate it turning on the console while pressing and holding the button "L1"; in case you want to install the EXECFTPs in other Memory card slots, then you will need to rename the file to "boot3.elf" o "boot4.elf", depending on the fact if you want to install it on the Memory card virtual slots: "Mc1 mode" (which can be activated turning on the console and pressing button "R1") or "Mc2 mode" (which can be activated turning on the console and pressing button "R2")

- Once you're done, load cdgen and this screen will appear:

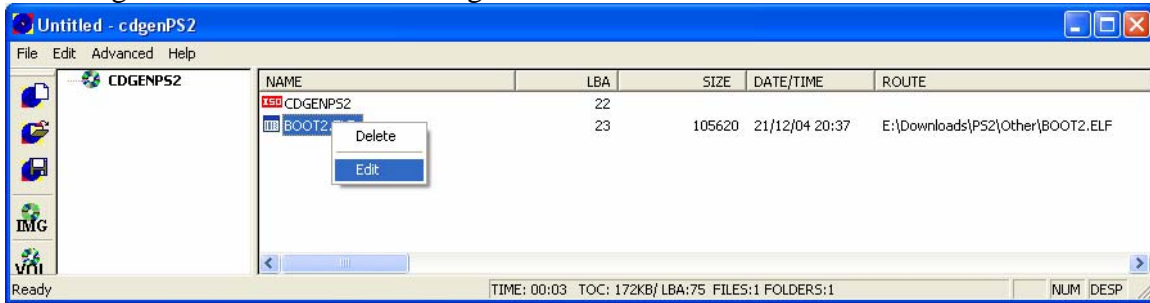


- Next Step:

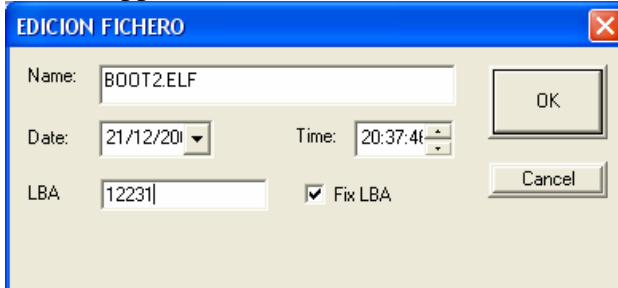
Go into the directory with execftps in and drag "boot2.elf" (the one you renamed before) into the CD window:



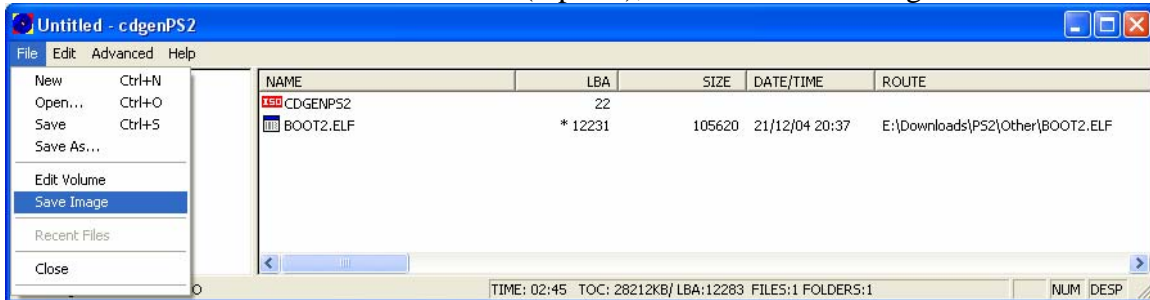
· Now right click boot2.elf file in cdgen and select edit:



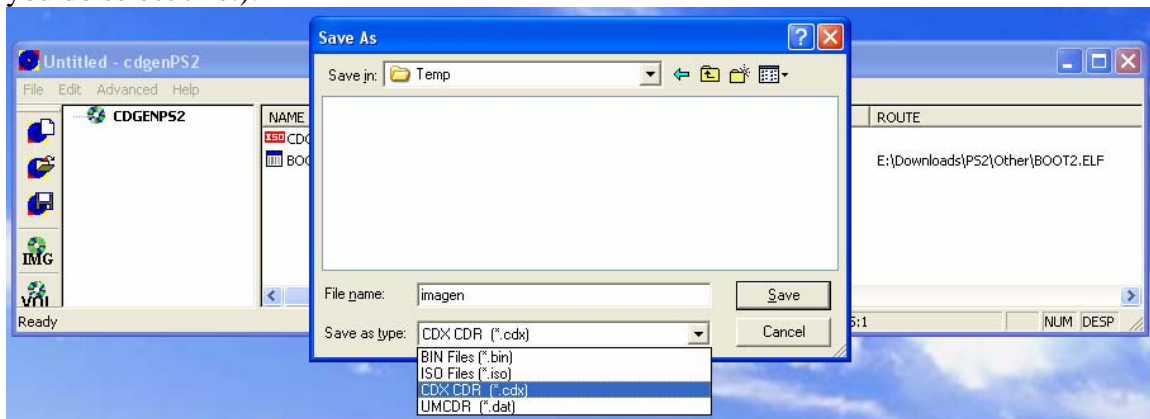
· It will appear a window, check "Fix LBA" and change the LBA value from 23 to 12231:



· Now click on "FILE" on the Menu bar (top left), and select Save Image:



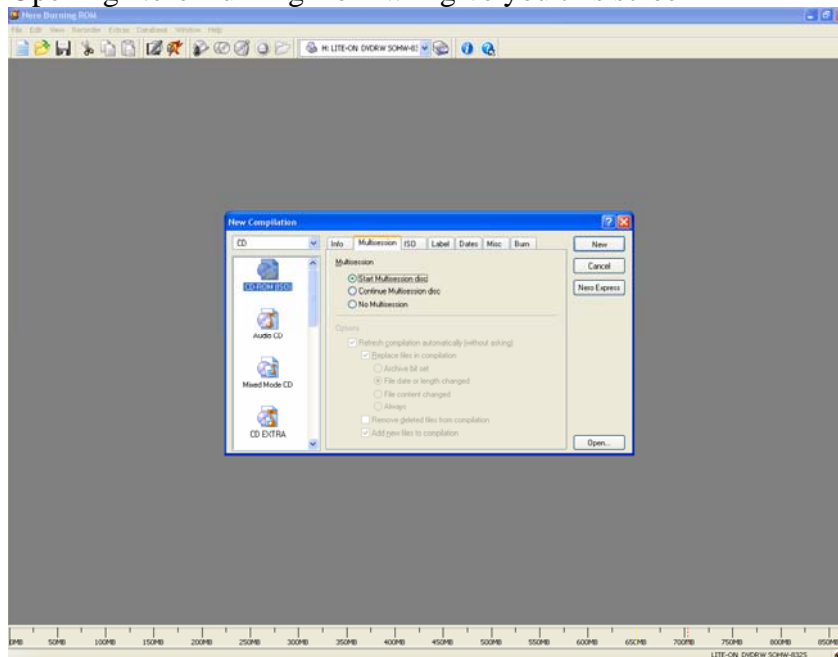
Write any name you prefer and select CDX CDR (*.cdx) on the save menu. (Make sure you do select this!):



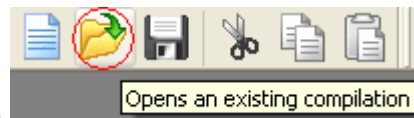
Click Save

Now open Nero (or your CD burning software – I will do my guide with Nero, you will have to figure yours out, but it should be similar)

Opening Nero Burning Rom will give you this screen

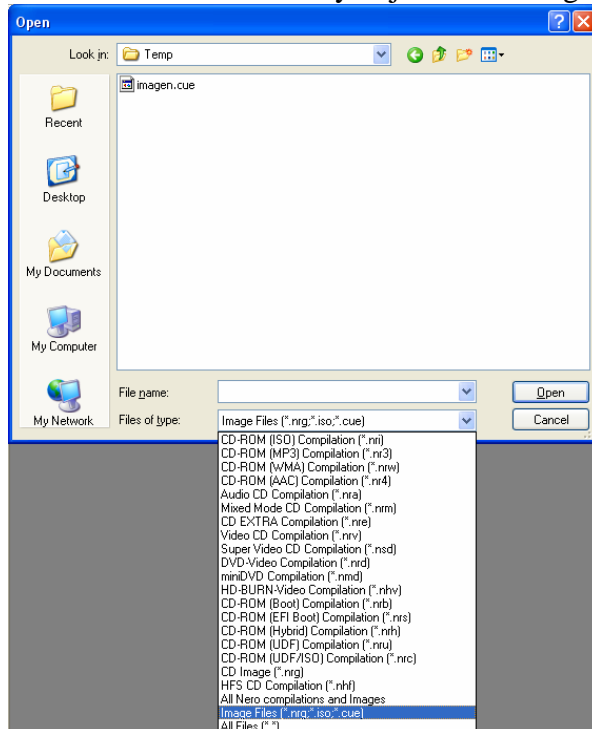


Click “cancel”

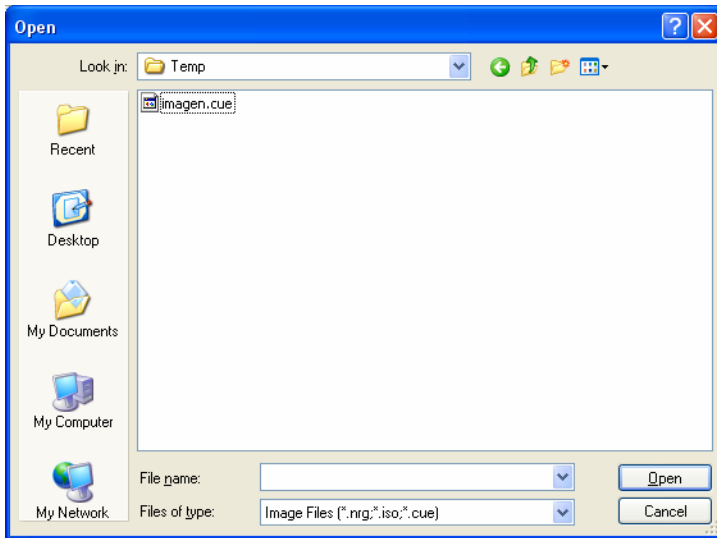


Now click open

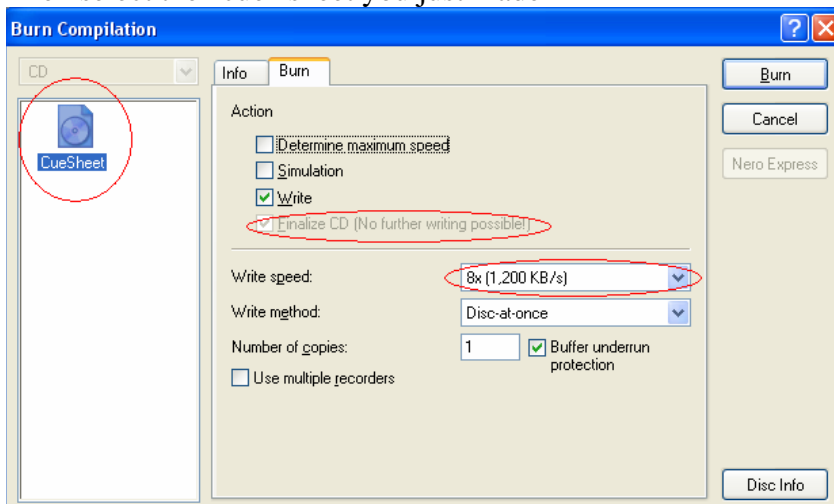
Browse to the folder that you just saved Cngen image to



Select “Image Files (*.nrg, *.iso, *.cue) from the list (otherwise nothing will appear) (or select all files, make sure you get the correct file though)



Then select the “cue” sheet you just made



Make sure the things circled are the same (write speed as low as you can get it, my burner would only go to 8x, 1x is best if you can)

Ok at this point you have your CD with ExecFTP on it, now we need to get this onto your ps2; fortunately doing this with an o2mod is relatively simple.

Section 2 – Putting the ftp program on your ps2 and connecting

Files needed:

- EXECFTPs CD (created in Part 1)
- Any FTP client for PC for example FlashFXP (downloadable from the official site)

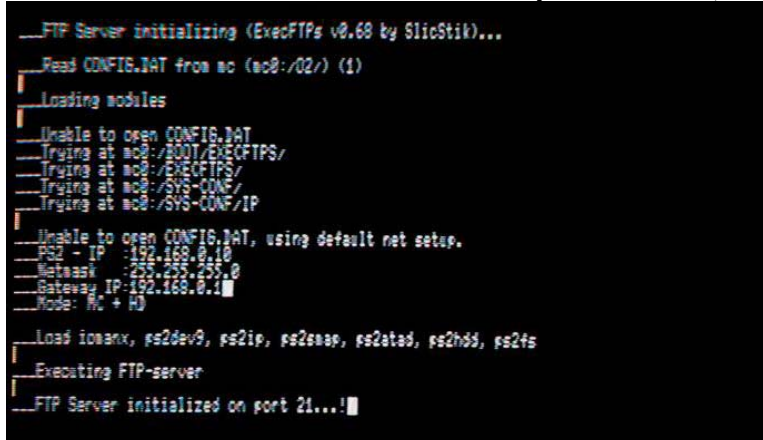
Hardware needed:

- A pc with network card
- A PS2 with network adapter
- A crossover cable (you can use a straight through cable if you go through a hub/switch (and it supports this functionality – most modern ones do) (your router will also most likely support this)
- Insert the disc with the EXECFTPs on it in CDX format (created in part 1)



Turn on the O2mod in RECOVERY mode, pressing and holding the EJECT button until the screen on the left appears (about 5secs) Select the option “CDXtoMC” from the Recovery menu.

- Once the copying is done (after a few seconds), you will see on screen the message “Operation successful”
- At this point you can turn off the PS2.
- Turn on again the PS2 pressing the button “L2” of the PS2 joy pad (we remind you that “L2” allows you to start tools and utilities installed into the memory of the O2 Mod)

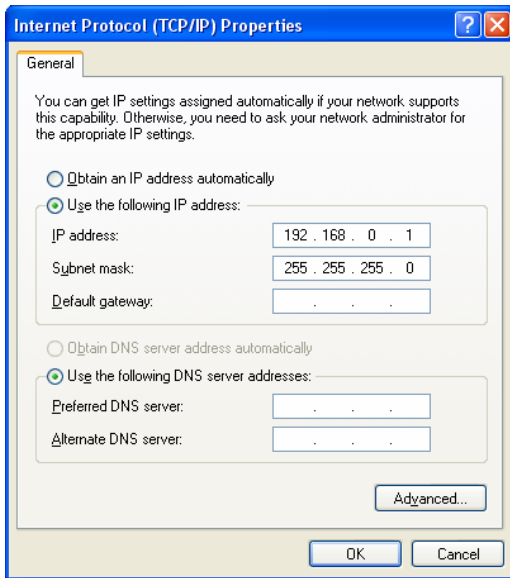


EXECFTPs will start and will initialize once it appears this line: “FTP Server initialized on port 21”

As default EXECFTPs has the following settings:

- IP (PS2) : 192.168.0.10
- Subnet mask: 255.255.255.0
- Gateway: 192.168.0.1

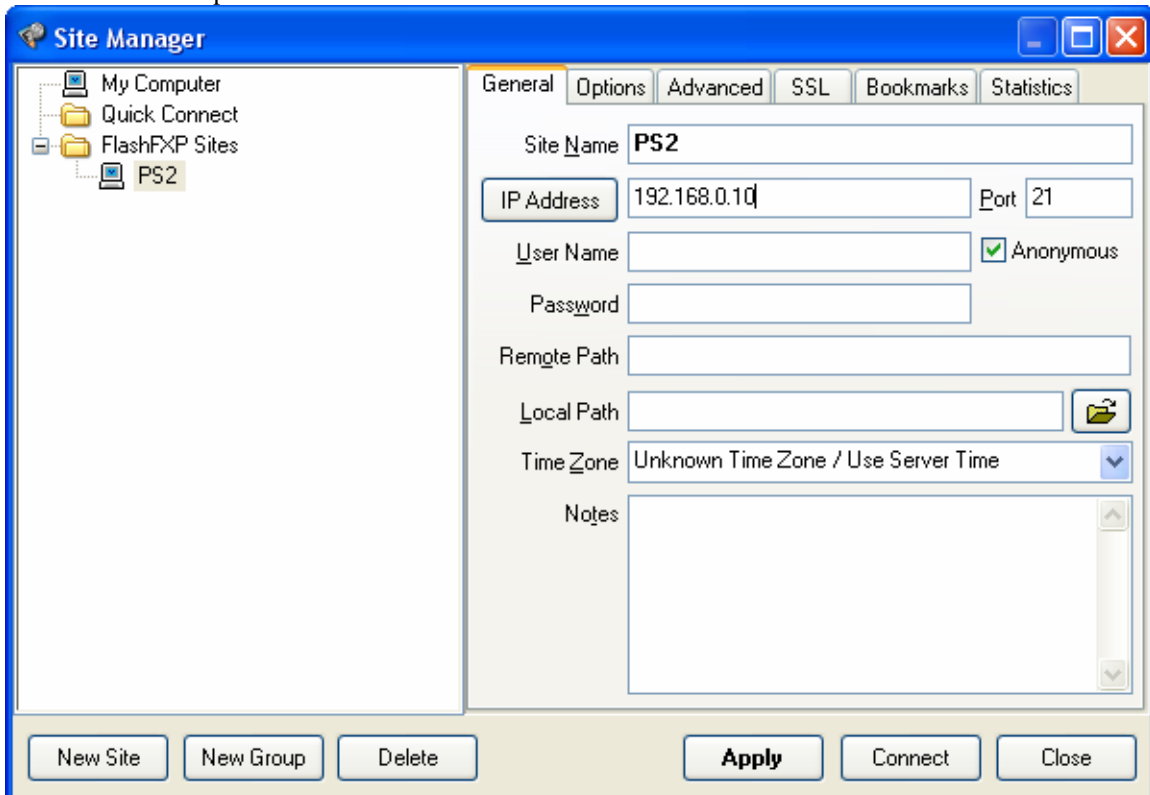
It is possible to change the network settings into the configuration file “CONFIG.DAT”, which is in the zip file of the execftps program, and after, writing it for example on the memory card. (I will cover this later in the tutorial)



**Please make sure,
checking the network
configuration, that your
pc has as IP the
Following: 192.168.0.1
and the
submask is: 255.255.255.0**

At this point, you should have the above IP address on your computer, Your ps2 running FTP server, and the ps2 and computer connected together with an Ethernet cable (direct with a crossover cable, or through a hub/switch/router with a straight through cable)

Please load Flashfxp



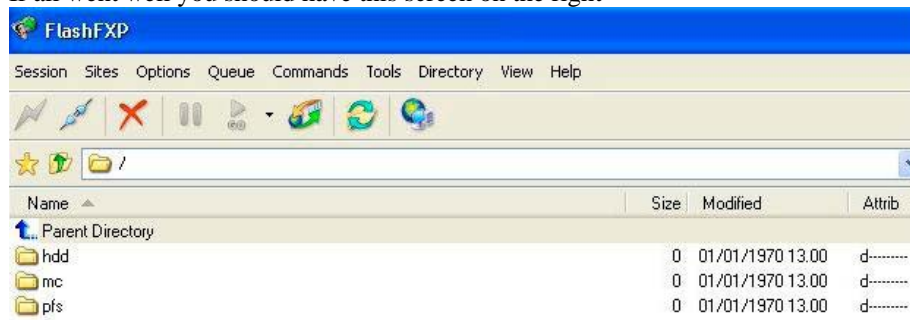
Set the IP Address to 192.168.0.10, Uncheck the option "Anonymous"

Make sure the Port is set to 21.

Go into "Options" please make sure that the option "Use Passive mode" is activated

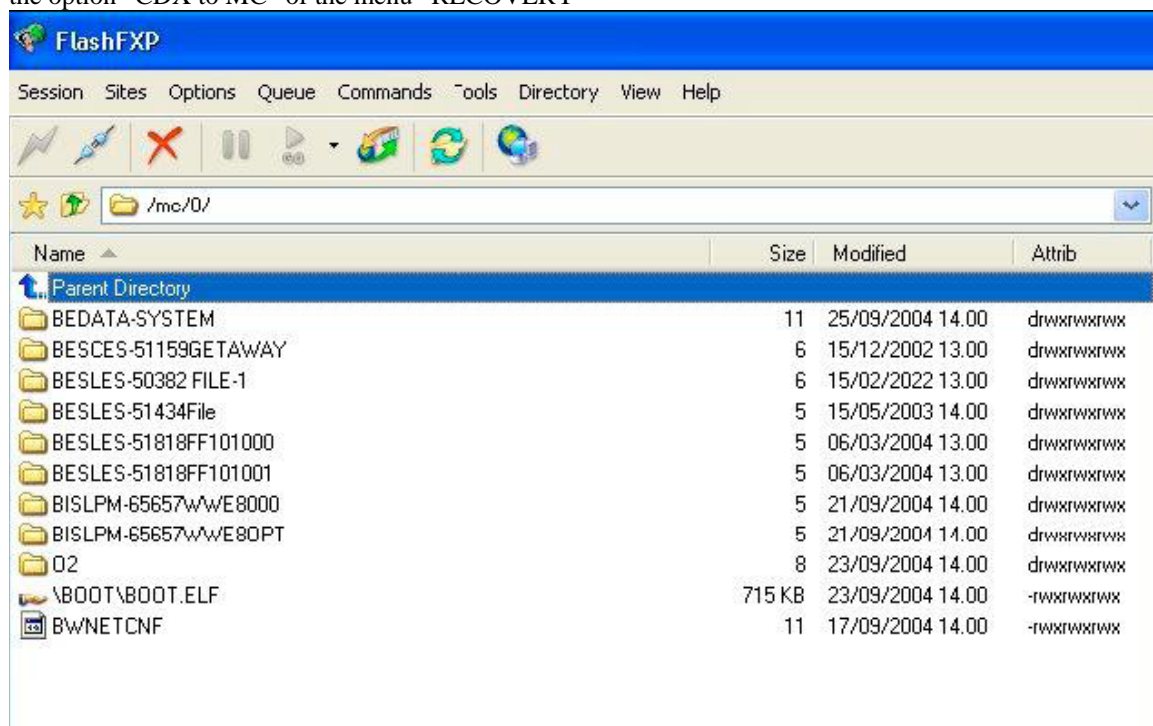
Then press connect

If all went well you should have this screen on the right



Mc is your memory card folder, hdd is your HDD drive (optional) and pfs will be explained later in this tutorial.

If you go into mc, then there will be an "O2" folder, where there are the files you have saved there through the option "CDX to MC" of the menu "RECOVERY"



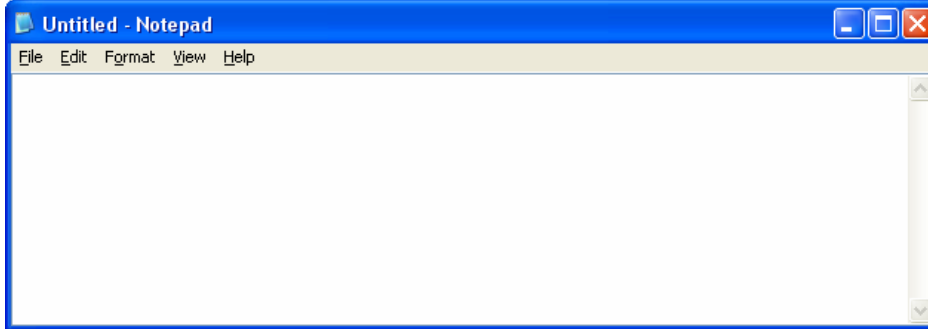
If you want to install programs using ftp that can be booted at startup (L1, R1, R2, (L2 has to be done through the recovery because it is saved onto the chip itself))

If you do want to do this, note that L1 = boot.elf, R1 = boot2.elf and R2 = boot3.elf (if transferring with recovery mode it all gets moved up 1, because boot.elf is for L2 (onboard the chip))
(Simply put when making the CD L2 = boot.elf, L1 = boot2.elf, R1 = boot3.elf, R2 = boot4.elf)

Section 3 – Configuring Execftp

Right now we want to make your PC usable with your normal network, to do this we need to use the file CONFIG.DAT to set up our settings.

Open up notepad



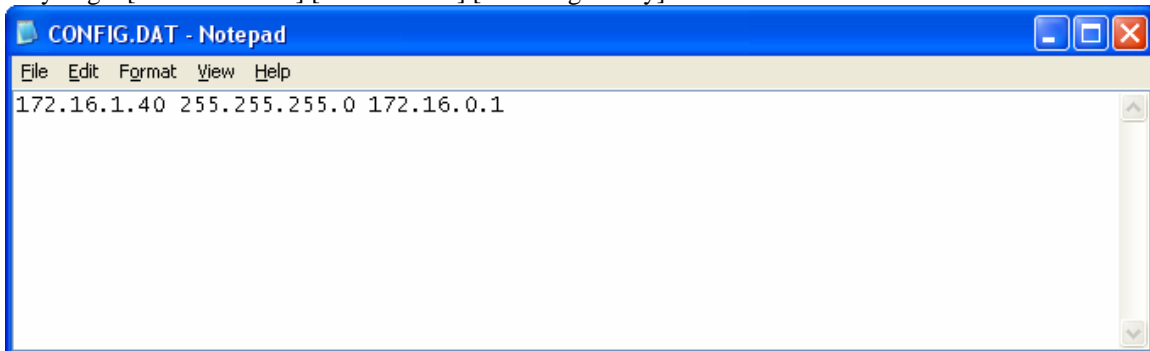
We are going to type in 3 sets of numbers now, the first set is the IP address of your console
My computers Internal IP is 172.16.1.36 (right click on local area connection, then click status, you may have to go to start -> network connections first) (I am assuming Local area connection is the way in which you are connected to your current network)

This means that the IP I assign to my ps2 must begin with 172.16.1.xxx, I will set my PS2 IP to 172.16.1.40 because this is a fairly high number in the IP addresses available.
(if your network ever gets a computer with the same ip as you assign to your console, you will have to disconnect that computer, then redo this file (using ftp) with a different IP address)

The next set of numbers is the “subnet Mask” this basically tells the network how much of the IP address changes, it is always 255 for the number, and looks like an IP address.
I will set mine to 255.255.255.0 because my IP address always starts with 172.16.1.xxx (by leaving the last bit 0 on the subnet mask we say that this last number can change), if you didn’t understand this, don’t worry, just use 255.255.255.0
(yours can be found out through “local area connection -> status, it is the “Subnet Mask”)

The last bit is your Gateway, if you have a router, set this to its IP address (my router is 172.16.0.1, so mine is set to that, yours can be found out through “local area connection -> status, it is the “default gateway”)
If you don’t have a router, set it to your PC’s IP address.

So you get [PS2 IP address] [Subnet mask] [Default gateway]



It should look like this

Save this as CONFIG.DAT (case sensitive)

Now use your ftp connection to transfer this into your “o2” folder on your memory card, now power off your ps2, then power back on (holding L1 to get FTP)

If it worked this screen will have changed to your IP

```
__FTP Server initializing (ExecFTPs v0.68 by SlicStik)...
__Read CONFIG.BAT from ac (ac0:/02/) (1)
__Loading modules
__Unable to open CONFIG.BAT
__Trying at ac0:/BOOT/EXECFTPS/
__Trying at ac0:/EXECFTPS/
__Trying at ac0:/SYS-CONF/
__Trying at ac0:/SYS-CONF/IP
__Unable to open CONFIG.BAT, using default net setup.
ps2 - IP :192.168.0.10
Netmask :255.255.255.0
Gateway IP:192.168.0.1
Node: AC + H3
__Load iconix, ps2dev9, ps2ip, ps2saap, ps2stad, ps2hdd, ps2fs
__Executing FTP-server
__FTP Server initialized on port 21...!
```

If not reconnect with your ftp program and check the file is in the correct folder, if not, transfer it again, then another file after that (a “dummy” file, a txt file containing the letter “a” will do)

This is a problem I’ve encountered, where it deletes your last transferred file, this is an easy way out

If it did work, you can change your PC settings back to what they were, and your internet connection and such should work again

Make sure you also update your ftp program with your ps2’s new IP address, and then test that you can connect

Thank you for looking at this tutorial, I hope it served you well, I will not take all the credit for this though:

- The CDX creation guide was written by “Lordgeny” and I updated it a bit, rewrote a little bit of it and added how to burn with Nero
- Section 2 was primarily written by “Rastan”, again I updated it a bit, rewrote a bit of it and added some information
- Section 3 was written by myself

These Tutorials are available from the o2 downloads section, and you are free to look at these, I made this tutorial to mould them all together so they flowed on from one another.

Written By:
Yahoodam