

O2 Mod Manual

Once the chip is installed, press and hold pressed for some seconds the button "EJECT". To turn on the console

The following options will appear:

- Backup

this option will let you save the chip content into the memory card

It is possible to save the flash into 2 virtual slots. This will allow you to have multiple configurations of the chip.

- #1 Backup To Memory Card

saves the flash into memory slot 1

- #2 Backup To Memory Card

saves the flash into memory slot 2

- Full Backup to Memory Card

saves the whole chip content on the memory card

- Recovery

with this option, it's possible to recover the flash of the chips, recovering the data from memory card or cdx disc.

- #1 Recovery from Memory Card

recover the flash with the data, into memory slot 1

- #2 Recovery from Memory Card

recover the flash with the data, into memory slot 2

- Full Recovery from Memory Card

recover the whole flash saved on Memory Card

- Recovery from CDROM(CDX format)

recover the data of the flash, loading the file FLASH.BIN from CDX disc

- CDX Boot

with this option it is possible to install an elf on the flash, so that later, it is possible to use it as boot (pressing L2)

- MC Boot

with this option it is possible to select the file on the memory card, which needs to be installed on the flash of the chip, to use later as boot

- MC Del

Little memory card manager. It's possible to delete the files by pressing the buttons L2+X

- CDX to MC

copy the boot files which are on the cds to the memory card.

- System

exit from recovery and goes back to ps2

FIRST INSTALLATION

The O2 mod is basically divided in 2: the Bios (recovery) and the OS (operative system).

After the installation when you first start the console, the chip contains only the Bios, which is the program for the recovery mode, version 1.0. The operative system isn't there yet. Through the recovery mode, it is possible to write the programs inside the flash of the chip and/or into the memory card and to upgrade the bios and the OS. The image file upgrade 1.1 which is on the site, contains both the update for the Bios (recovery) and the installation of the operative system 1.1(O2 OS).

All the future updates will be separated and contain or the Bios (recovery) or the Operative System (O2 OS).

It will thus possible to upgrade one of the two or both, as the users prefer.

To start the upgrading, please refer to the instructions which are inside the upgrade file.

Bios Upgrade (RECOVERY)

To do this is necessary to download the update file and write it on a cd. It is advised to use nero to burn the file.

Once the cd is written (using Nero or any other burning program), you need to start the PS2 in recovery mode (keeping pressed the eject button) and select:

- Recovery->Recovery from CDRom(CDX format)
- The bar will reach 100% and once it appears "operation successful" you can press the reset button
- The Ps2 will start opening a screen of "Autoflash utility".
In this mode, the chip AUTOMATICALLY, will execute the writing on its 2 memory banks "BANK1" e BANK2".

DO NOT PRESS RESET OR TURN OFF THE CONSOLE while the writing on the two memory banks.

- Once the last writing on "BANK2" is done, the O2 will show "operation successful", and thus you can turn off or reset the console.

At this point the O2 is initialized and will contain the Bios 1.1 and the Operative System (OS) v1.1

O2 Mod USAGE:

Turning on the console and pressing the joypad buttons, you can activate more functions::

- Pressing button "L2" you can load a program which has been earlier installed on the O2 mod chip flash
- Pressing the buttons "L1","R1","R2" you can load the programs installed on the Memory Card, on the correspondent virtual position
- (for example "L1" will load the file "boot2.elf", "R1" the file "boot3.elf", "R2" the file "boot4.elf")
- You can access the menu "expert" **TURNING ON THE CONSOLE AND PRESSING THE BUTTON "TRIANGLE"**
- It is possible to disable the O2 mod **TURNING ON THE CONSOLE AND PRESSING THE BUTTON "SQUARE"**
- If it has been disabled the function of AUTOMATIC SELECTION of the DISC (PS2, Ps1, or DVD MOVIE):
 1. *it is possible to force PS2 MODE **TURNING ON THE CONSOLE AND PRESSING THE BUTTON "CROSS"***
 2. *it is possible to force PS1 MODE **TURNING ON THE CONSOLE AND PRESSING THE BUTTON "CIRCLE"***

MENU EXPERT:

From here it is possible to select through ON/OFF:

Macro-RGB FIX
DVD REGION FREE
LOGO
AUTODISC MODE
PSX NTSC PATCH

Fix of the rgb mode for dvd movies
Fix of the region of the dvd movies
chose if you want to cut the starting logo of the cd
Automatic selection for PS2/PS1/DVD
Screen Calibration for PS1 NTSC USA/JAP games

N.B. on some PS2 models we advise to set "LOGO OFF" so that all games are compatible with O2 mod.

You can select the option you want with the joypad (up/down) and you change ON/OFF with the button "CROSS".
To save the settings on the O2 mod memory, just press "START" and reboot the console.

Disco CDX

(to create a "CDX"format disc please check the appropriate tutorial)

CDX its the format that the O2 Mod can read and it may contain the files:

boot.elf
boot2.elf
boot3.elf
boot4.elf
flash.bin

- *boot.elf is the program (tools/emulators/hdd managers/etc.) which you want to write into the O2 mod flash.*
- *boot2/3/4.elf are programs (tools/emulators/hdd managers/etc.) which can be written on the memory card*
- *flash.bin is the file which contains the chip update and is written in the internal flash of the O2 mod*

Memory Card

After the installation (eventual) on the memory card, the files will be respectively::

The file which was renamed as "boot2.elf" -> will be
"\boot\boot.elf" (to retain the compatibility with the dms3)

boot3.elf -> will be "boot2.elf" into "O2" directory

boot4.elf -> will be "boot3.elf" into "O2" directory

Additional Informations

The O2 mod is basically composed by 2 parts, one which is the bios (recovery) and one which is the operative system (O2 OS).

After the installation it is necessary to update the recovery using the upgrade (right now the current build is the 1.1).

Once the recovery is upgraded, if you wish you can update also the O2 OS, (current build being the 1.2). To upgrade both updates please follow the instructions which are inside the update files for the recovery and the os.