

O2Loader

Reference Manual

by
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Creating the Packet

- 1) Go to UPPACKER directory and extract O2packer.exe and upload.elf to O2LOADER directory.
- 2) If you want usb support, you need the appropriate USB.D.IRX. See readme_for_usb_support.txt file from O2LOADER directory.
- 3) Run the appropriate BAT file to create PACKET.FSH file (if you want other LOGO replacement different of mrystation.bmp, you can modify it now)
- 4) Run **pukklink/ps2link** or **naplink** software and load **uppacket.elf** software. Use TRIANGLE to upload the packet. Also, you can build a CDROM image using CDGENPS2 and put PACKET.FSH, uppacket.elf and SYSTEM.CNF files.

Preparing a USB Device

- 1) You need format the USB device to FAT12/16 or FAT32. O2loader use the first partition in this format.
- 2) Copy the content of PENDRIVE directory (in the packet) to the USB device, and put your PS2 applications in /BOOT/ directory (the application list .ELF extension)
- 3) If you want, you can put ISO files in root directory of the USB Device (not .bin files!). You can crea .ISO files using CDGENPS2 3.0 and LBA's fix is unnecessary
- 4) So you have: in BOOT directory, config.dat and elf applications. In root ISO for CDROM emulation.

Preparing HDD Device

- 1) You need the Network Adapter and a Hard Disk with APA partitions. To format the HD and to create partitions, you can use HDDFRMT.ELF tool. You can download this application from: http://www.dms3.com/dms3/files/chips/DMS3_Tools/ (thanks to DMS for this utility :D). The partitions created can be used from PGEN emulator, for example (it use the sign '+' for 'public' partitions)
- 2) Launch **o2loader.elf** to create O2_BOOT partition (you need 128MB free in the hard disk). You can put .elf applications in root directory of this partition to launch applications or save options from HDD.

How I can upload files to HDD?

Well, several programs for that exist : you can use Execftp to upload using the FTP protocol or for example, PS2Menu. For exam, is possible mount a directory from USB Device to use it like CDROM and copy the programs or others files to HDD partition. You can download PS2Menu from <http://ps2dev.org/kb.x?T=1009>

Running O2loader

To launch the application, reset the console and press **L2** button to use O2 MODE. When the application start, you can see some messages of warning or error. When the modules is loaded and the program is initialized, you can see one list. If you only see 'Run ISO from USB' you do not have files from HDD or from USB (device is disconnected?).

Well, Run ISO from USB, it for launch the ISO files created in root directory of the USB device. The others selections, is the application to launch from USB (list in white color) or HDD (list in green color) devices.

You can use this buttons:

CROSS: To launch the elf without emulation

CIRCLE: To launch the elf selecting a directory to emulate CDROM (it create a ISO structure with a top of 64 files)

SQUARE: To refresh the list. (for example, if you plug one new USB device)

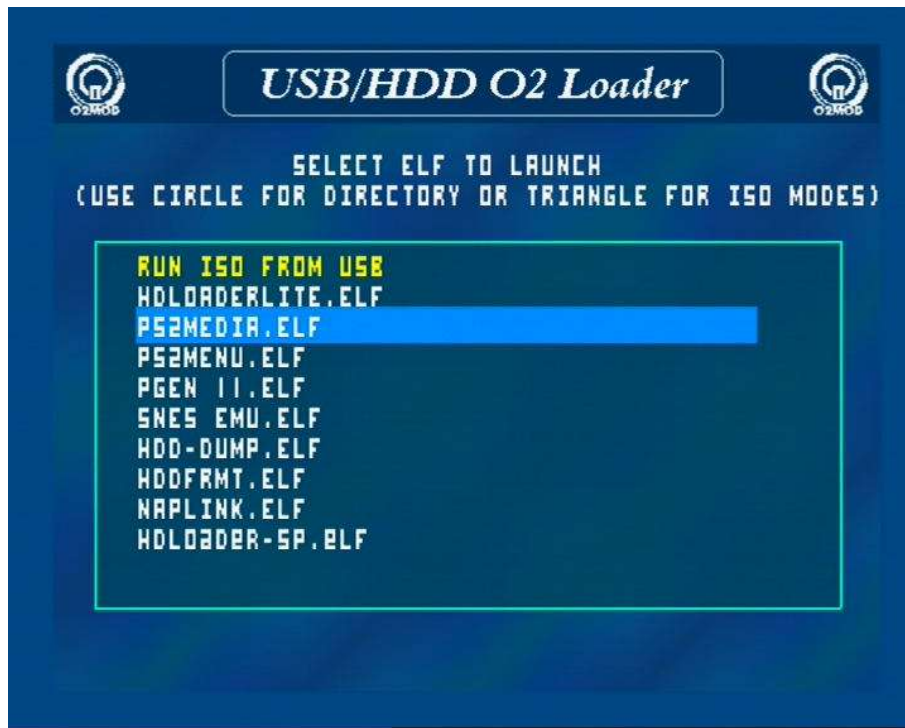
TRIANGLE: Turn to ISO emulation from USB.

SELECT: To select the keywords for autolaunch option (you need to select L2 button to launch all keywords in O2 os)

UP/DOWN: To change the selection.

All the changes is saved to HDD or USB if HDD device is off. It remember the last elf launched and the last iso launched.

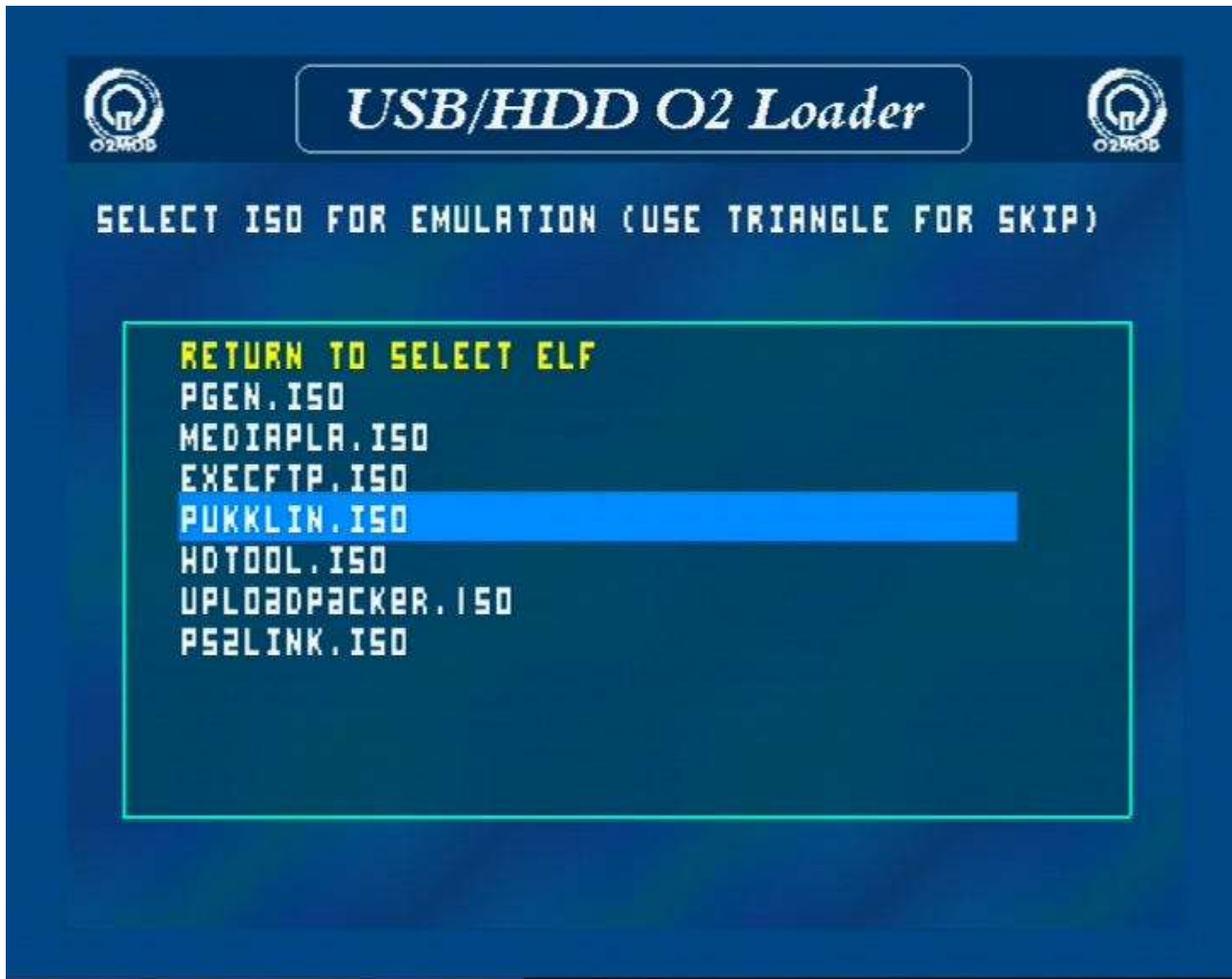
Fig 1



Running ISO from USB

Select the iso using **UP/DOWN** and press **CROSS** to launch the application. Use **TRIANGLE** to exit to the elf selection.

Fig 2



Selecting a Directory for CDROM Emulation

First you select one hdd partition or mass: for USB Devices using **UP/DOWN** and **CROSS** buttons. Then you can see the files (cyan color and not selectable) or directories (with a yellow folder symbol). Enter in directories with **CROSS** and press **CROSS** in the option 'Select this directory' to launch the elf selected with a CDROM emulation with the files of this directory (remember, the top is 64 files). Use **TRIANGLE** to exist to the elf selection.

Fig 3: Select the partition

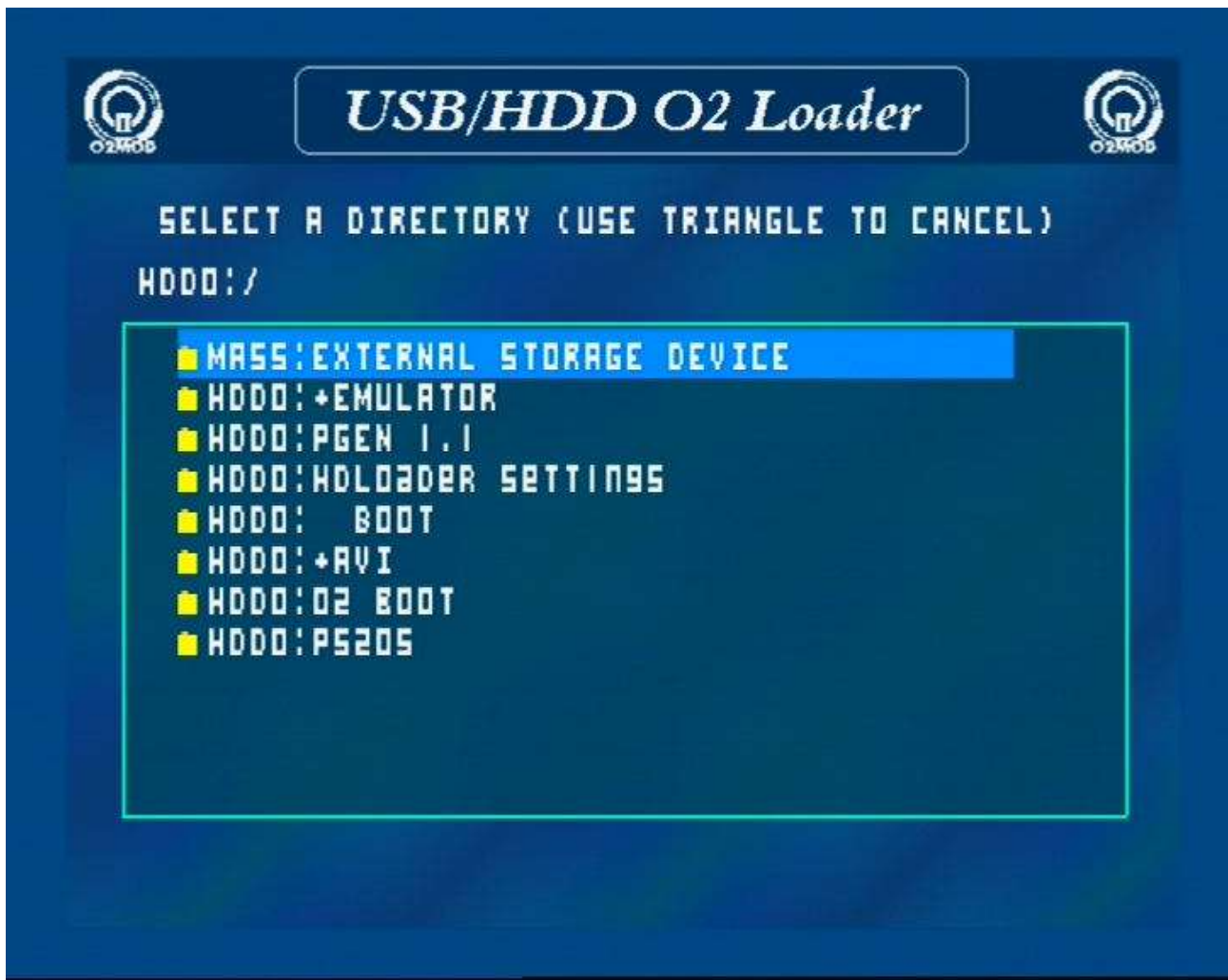


Fig 4: Select the directory

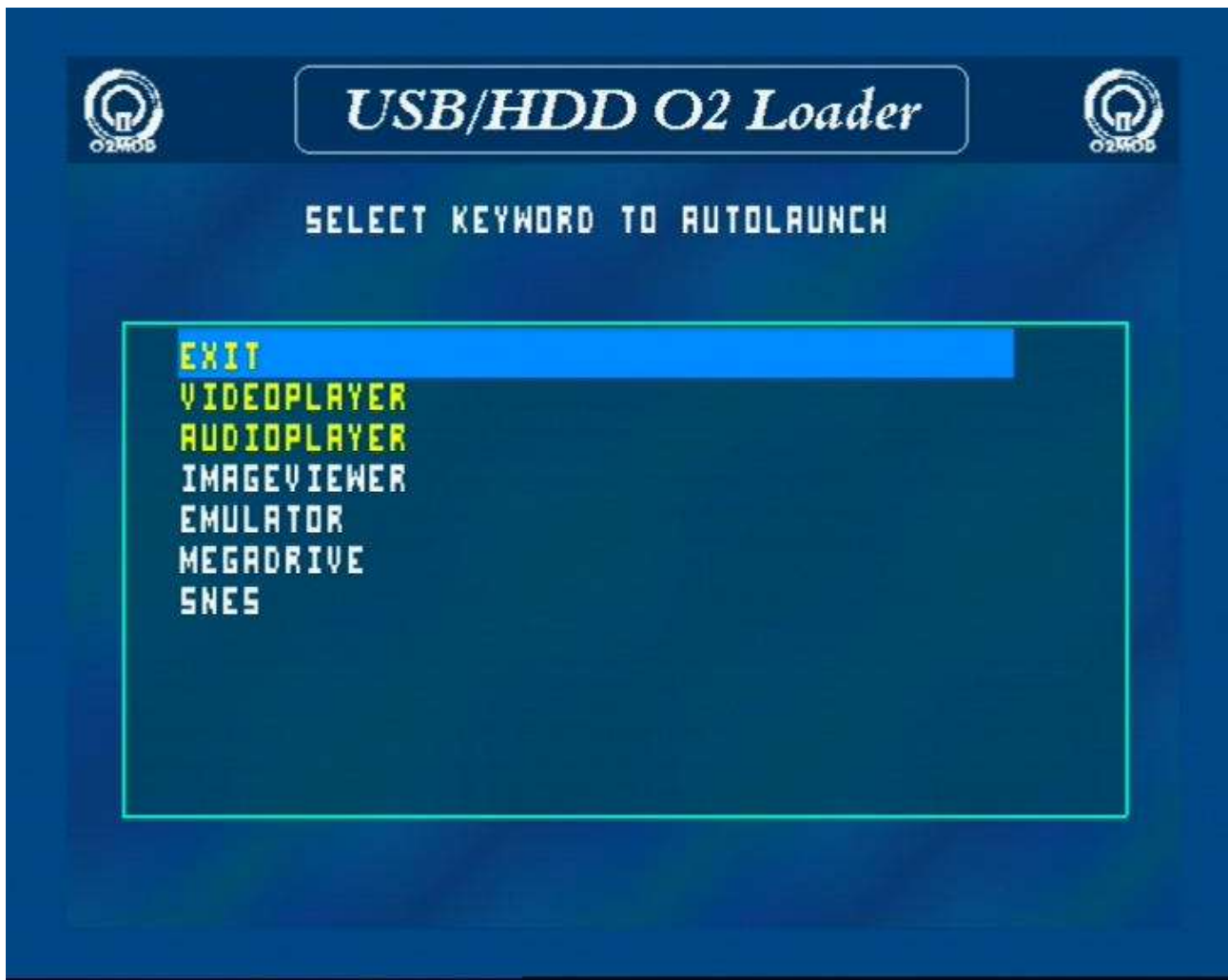


Select the Keywords

If you press SELECT over a elf, you can select one or more keywords to autolaunch mode. In this mode, you can launch from OSDSYS a program from USB or HDD when a CDROM or DVD is detected with one extension recognized.

You can use **UP/DOWN** to move, **CROSS** to Enable/Disable a Keyword and **TRIANGLE** to exit. This selection is saved in HDD or Pendrive. When you select one Keyword, it is displayed in Yellow color. Remember you need al selection to L2 button in the OS.

Fig 5: Select the keyworda



Error Messages

"ERROR: MODULES FOR USB OR HDD NOT PRESENT!!!"

This message is displayed if USB.D.IRX do not exist and Modules for HDD is not completed (fail when try load a module, for example). The program stops

"ERROR! PS2TWO NEED MODULE USB.D.IRX!!!"

This message is displayed if USB.D.IRX do not exist and the model of the console is a PSTWO (HDD is not supported in PSTWO model). The program stops

"WARNING: MODULE USB.D.IRX NOT PRESENT!!!"

This message is displayed if USB.D.IRX do not exist but you can use HDD device.

"WARNING: MODULES FOR HDD NOT PRESENT!"

This message is displayed if one or more modules used in HDD fail or is not present but you can use USB device. If you do not have Network Adapter, this message is displayed too.

"ERROR! HDD NOT PRESENT!!!"

This message is displayed if the modules for HDD is loaded, but HDD cannot be detected.

"ERROR! UNFORMATED DISK!!!"

This message is displayed if the modules for HDD is loaded, but HDD is unformatted.

"CREATING O2_BOOT PARTITION..."

Well, this message is not a error. It is displayed when O2loader try create the O2_BOOT partition in the HDD.

"ERROR! FAIL TO CREATE O2_BOOT PARTITION!!!"

This message is displayed when O2_BOOT partition cannot be create for some reason.

"Error Loading Application"

This message is displayed if fail the load of the elf. It is possible a fail for example, if you run one ISO and SYSTEM.CNF is incorrect or the tray is open.

CDROM IMAGE SPECIFICATIONS

ISO EMULATION

Max Size in ISO files: 2GB

Max Len for Filenames: 256 ANSI Chars (not UNICODE- support)

Program recommended for ISO creation: CDGENPS2 3.0

Only supported from USB devices.

AUTO-ISO EMULATION FROM DIRECTORY

Max Size for file emulated : 2GB

Max Number of Files: 64

Sub-directories Support? Not

Max Len for Filenames: 253 (you must include the path for filename)

Len recommended for Filenames: <45 chars