



Thunder Pro II
Operation manual
V 7.7 - Rev: g

NOTE: *this manual was translated to English from Portuguese-Brazil by Google:*

This manual is written exclusively for the Thunder Pro II chip and will be Updated with the chip updates, so go to the www.vtec.com whenever possible to see if there are any new upgrades / upgrades. The version of this manual must be equal to or higher than the version of Thunder Manager Installed. Some new functions can be implemented over time and will be Included in future versions of this manual. If you have a higher version of Thunder Manager, please download the latest version of the manual. Please read this manual thoroughly before operating your video game.

1- Upgrading your Thunder Pro II

It is very likely that there is no need for future upgrades to the Thunder Pro II, but if this happens, you can do it as follows:

Download the upgrade file for Thunder Pro II at www.vtec.com , Unzip it and burn a CD using the image file (it is not to write the file Downloaded from the CD and create a CD from the downloaded image) and follow these steps:

- A. Insert the CD you just recorded and follow the instructions that appear in the screen.
- B. After installation simply turn off your console and turn it on again.

2- Using Thunder Pro II:

To access the Thunder Manager Menu, simply turn on the console by keeping Press the Select button until the Menu screen appears. On this screen you can see the Version of Thunder Manager and also all the options and functions of the chip.

Thunder Manager has the following functions:

A) Boot mode:

This function allows you to select the default boot mode.

They are:

- Turn off Thunder: every time the console is turned on, the disabled.
- Auto: every time the console is turned on, the media will be recognized
- Automatically. Therefore there is no longer a need to choose the modes
- PS1, PS2, movies and off (music CDs). Simply insert the disc so that
- The same is recognized automatically. This is the recommended mode.
- Play PS2: every time the console is turned on, only the
- Games and PS2 applications.
- Play PS1: every time the console is turned on, only the
- Games and PS1 applications.
- Play movie: every time the console is turned on, the
- movies.

B) Reg. Film: This function allows the user to choose the region of the movie to be played back or Disable the codefree function. Remember that the codefree function will be active independent of the selected region. The choice of region is only necessary for films with double protection and also RCE films. In Brazil the region used is 4.

C) PS2 Logo Fix: This function activates or does not correct the logo.

D) Fast Boot: This function allows the faster boot of the disks, ignoring the logo that appears during loading. When enabled, the logo will be ignored.

E) DVD + R DL: This function enables DVD + R DL media support. This function must be activated only for use with DVD + R DL discs.

F) Language / Lang: This feature allows you to choose the language of Thunder Manager.

G) HDD: If you have a HD with the original Sony PS2 Browser installed, activate this function so that the Thunder maintains all the functionalities with this system. It is not you need to enable this function if you will only use dev mode on HD.

H) ATAD Patch: If you have a common IDE HD installed on your PS2 and want To install games or applications that have been specially developed to be installed on the HD, enable this function. Remember that not all HD IDE models are compatible with all games. It is not necessary to enable this function if you will only use dev mode in HD.

I) X Pos: This function allows you to adjust the screen to the right or left, using The directional arrows and valid for PS2 games, PSX1 and movies. Negative numbers indicate That the screen will go to the left and the positives to the right. When used, the system NTSC / 60Hz color will be enabled by default if you want another color system or Resolution, simply use the Display Fix function. Remember that not all games support This function and some support it with a line limit. If a given game does not enter or Abnormality, decrease the displacement of the screen relative to the center or Disable this function.

J) Y Pos: This function allows you to adjust the screen up or down and is valid for PS2 games, PSX1 and movies. The numbers indicate how many lines the screen will move (Negative numbers) or down (positive numbers). When used, the system NTSC / 60Hz color will be enabled by default if you want another color system or Resolution, simply use the Display Fix function. Remember that not all games support this function and some support it with a line limit. If a given game does not enter or abnormality, decrease the displacement of the screen relative to the center or Disable this function.

L) Display Fix: This function allows you to select the video modes of your console, Allowing adjustment of images according to the color system, frequency and resolution of the TV set. If disabled, your console will work on the color and frequency system The region where it was purchased, for example: a console purchased in the USA has the Original NTSC system and 60Hz frequency. It is worth remembering that the HDTV modes besides allowing to play in HDTV, Turn your PS2 into a high resolution DVD player !! If you activate a video mode that is not compatible with your TV, you can Enter the Thunder Manager again to choose another mode or restore the Factory settings as described in item 6.

The video modes are:

- NTSC - 60Hz
- NTSC - 50Hz
- PAL - 60Hz
- PAL - 50Hz
- 480p HDTV - requires component video cable
- 576p HDTV - requires component video cable
- 720p HDTV - requires component video cable
- 1080i HDTV - requires component video cable

M) Dev Mode: This function is used by more experienced users and allows you to Choose a boot path that will run automatically every time you connect your PS2 or after a Reset. If disabled your PS2 will start normally looking for a disk. For more information on the name and path of the files, refer to item 4. N) Start Logo: This function allows you to activate or deactivate the logo that appears when you turn on Or "reset" the console.

O) Exit and save config.: This option saves the chosen options and exits Thunder Manager.

3- Manual recognition

Even with self-recognition, Thunder Pro II still

User to manually choose the disc type, regardless of the options made in Thunder.

Manager:

- **PS1:**
To play PS1 games, simply turn on your console by holding down the (square) on your joystick until the "Sony Computer Entertainment" entry appears on your TV.
- **PS2:**

To play PS2 games, simply turn on your console by holding down the X on your joystick until "Sony Computer Entertainment" appears on your TV.

- **Movies:**

To activate the movies mode, simply turn on the console by holding down the Δ (triangle) until the "Sony Computer Entertainment" entry appears on your TV. After your console will be prepared to play movies from any region, including movies using the chosen region in Thunder Manager.

- **Chip off:**

To turn the chip off, simply turn on your console by holding down the O button (Circle) on your joystick until the inscription indicating that the chip has been disabled appears in the Screen.

4- Boot by other devices

This is an advanced function and allows you to start programs from other devices like the HD, Memory Card and USB Pen Drive! Remember that the path, name and extension of the files must always be written in lowercase letters.

To run these files, simply turn on your PS2 by holding the following keys:

- R1: runs the file located on the hard drive with the following path: /boot/boot.elf
- R2: runs the file located on the hard drive with the following path: /boot/boot1.elf
- L1: executes the file located on the Memory Card with the following path:
/boot/boot.elf
- L2: executes the file located on the Memory Card with the following path:
/boot/boot1.elf
- Directional down + R1: Runs the file located on the HD with the
Following path: /boot/boot2.elf
- Directional down + R2: runs the file located on the HD with the
Following path: /boot/boot3.elf
- Directional down + L1: executes the file located on the Memory Card
With the following path: /boot/boot2.elf
- Directional down + L2: executes the file located on the Memory Card
With the following path: /boot/boot3.elf
- Start + R1: runs the file located on the USB Pen Drive with the following
Path: /boot/boot.elf
- Start + R2: Run the file located on the USB Pen Drive with the following
Path: /boot/boot1.elf
- Start + L1: Execute the file located on the USB Pen Drive with the following
Path: /boot/boot2.elf
- Start + L2: Run the file located on the USB Pen Drive with the following
Path: /boot/boot3.elf

5- Run Flash memory program

Some programmers may, over time, develop applications for Installed in the chip's flash memory. To run these applications, connect your Console by pressing the Start + Δ (triangle) keys.

6- Utility menu for HD:

If you have an HD installed on your PS2, you can use this menu to format and / or create the boot partition to use in dev mode. To do this, simply turn on your PS2 by pressing the Start and (Square) keys on your joystick. If you choose the format option, the HD will be formatted (all previous data will be erased) and a 512MB boot partition will be created. If you choose the option to create boot partition and your HD is already formatted in PS2, only a 512MB partition with the name boot will be created. If the HD is not formatted, it will be formatted and the boot partition will be created.

7- Restoring Factory Settings:

If you select a video mode that is not compatible with your TV or monitor, or just go back to the factory settings of your Thunder Pro II, just turn on your console by holding down the Start and Directional keys up. You will see a screen saying that the factory settings have been loaded.