

## **LAVATRONICS HOW TO USE FLASH AN ENIGMA2 IMAGE ON THE OPTICUM AX-ODIN USING THE **\*\* FORCE \*\*** METHOD**

The Opticum AX-ODIN is a Broadcom based Enigma2 receiver and comes with support from many third party firmware groups. From time to time you may want to re-flash firmware for various reasons, perhaps to re-cover a receiver, change to a different groups firmware or just have a change and play around!

Whatever the reason the good news is the Opticum AX-ODIN is very easy to flash with firmware. Below is a simple generic guide which should cover most any Enigma2 firmware which is specific to the Opticum AX-ODIN

After downloading the desired Enigma2 firmware image from the internet, extract the downloaded \*.RAR or \*.ZIPfile to your computer (this can be saved to anywhere as long as you know where, the Desktop is often a popular choice). This should result the following files: force, imageversion, kernel.bin, rootfs.bin, splash.bin being inside a folder called en2

**THE BELOW NOTE IS IMPORTANT TO CHECK OR THE NEW FLASH WILL NOT WORK**  
**\*\*HINT\*\* keep the force/noforce file names in lower case**

**\*\*\* NOTE IN SOME INSTANCES THERE WILL BE NO force file BUT ONE CALLED noforce – SIMPLY RENAME noforce TO force BEFORE YOU CONTINUE TO THE NEXT STAGE \*\*\***

**Format a USB stick (with preferably a capacity of max. 4Gb) to FAT32 file system**

- 1) Copy the “en2” folder to the USB stick
- 2) Disconnect the USB stick from your PC using the “Remove USB device safely” option
- 3) Power OFF the Opticum AX-ODIN using the Main Power Switch on the rear panel
- 4) Plug in the USB stick, and power on the Opticum AX-ODIN
- 5) The Set-Top Box will automatically recognize the E2 image
- 6) The upgrade procedure will automatically begin (indicated by 0000 being displayed)
- 7) After the upgrade is complete the Set-Top Box will reboot and your newly flashed image will boot
- 8) **IMPORTANT:** AT THIS POINT IT IS IMPORTANT TO REMOVE THE USB STICK WITH THE FIRMWARE ON FROM THE RECEIVERS USB PORT – OTHERWISE ON NEXT REBOOT THE FIRMWARE WILL RE-FLASHED AGAIN, UNDOING ANY CHANGES THAT HAVE BEEN MADE!