

## How To Upgrade E2 on the Amiko Alien / Alien 2 models

The Amiko Alien models come with Dual Linux OS support for storing Spark OS and E2 simultaneously, however as E2 is an open-source Third-Party project, it is not preloaded in the out-of-the box receiver. Please follow the steps below to upgrade an E2 image to your Amiko Alien series Set-Top Box:

- After downloading the desired E2 image from the internet, extract the downloaded \*.RAR or \*.ZIP file (this should result two files ("e2jffs2.img" & "ulmage")
- Format a USB stick (with preferably a capacity of max. 4Gb) to **FAT32** file system
- Create a folder called "**enigma2**" on the USB stick (the folder name is case sensitive!)
- Copy the two files into the newly created "enigma2" folder on the USB stick
- Disconnect the USB stick from your PC using the "Remove USB device safely" option
- Power OFF your Set-Top Box using the Main Power Switch at the rear panel
- Press and hold the **OK** button on the front panel, and power on the receiver with the Main Power Switch
- When **FORC** / **FORC** appears on the VFD/LED display, release the **OK** button
- Press and release the **CH- (DOWN)** button - **ENIG** / **ENIG** should appear on the VFD/LED display
- Press and release the **OK** button on the front panel - The Set-Top Box now switches to Enigma2 mode, starts loading and then stops ( **SUCC** / **SUCC** → **BOOT** / **boot** )
- Power OFF the Set-Top Box again with the Main Power Switch, and connect the USB stick to the **rear USB connector**
- Press and hold the **OK** button on the front panel, and power on the receiver with the Main Power Switch
- When **FORC** / **FORC** appears on the VFD/LED display, release the **OK** button
- Press and release the **VOL+ (RIGHT)** button on the front panel - The Set-Top Box should start the upgrade of the E2 image from the USB Stick
- After the Set-Top Box finishes upgrading the E2 image, it is going to automatically reboot, and start Enigma2

### Issues while loading the E2 image

The Set-Top Box might display a **T TO** / **7 70** error message on the VFD/LED display. This means the enigma2 image file can not be read from the USB stick. In this case, please check if the file names are exactly same as described above (**the file & folder names are CASE SENSITIVE!**), try re-formatting the USB stick to FAT32 file system, or try upgrading your Set-Top Box with a different USB Stick.

After Enigma2 starts, you might only see a black picture. This is because most Enigma2 images first show a Setup Wizard which switches between different output modes. In this case, either wait for the wizard to switch to another output, or switch manually using the **UP** or **DOWN** buttons.

### Using the FORC boot menu

The FORC boot menu allows You to easily upgrade E2 and switch between the Spark and E2 os. To access it, press and hold the OK button on the Set-Top Box's front panel while powering it on with the Main Power Switch until **FORC** / **FORC** appears on the VFD/LED display. The Set-Top Box is going to automatically boot with the last selected OS.

The FORC boot menu has the following options, which can be accessed by pressing one of the following buttons and then the **OK** button on the front panel:

- **SPAR** / **SPAR** : Select Spark OS with the **CH+ (UP)** button
- **ENIG** / **ENIG** : Select Enigma2 OS with the **CH- (DOWN)** button
- **FACT** / **FACT** : Upgrade the previously selected OS from the USB stick connected to the rear USB conenctor (with flash image or rescue image\*) stick with **VOL+ (RIGHT)** button

### Disclaimer

Loading an untrusted E2 image might damage your receiver, and can lead to the void of warranty. Please only use images from reliable sources! Since E2 is an opensource project, the manufacturer & distributor does **not** accept any complaints / requests or compensation requests regarding any malfunction or damage caused by these images

\* Spark OS can be upgraded inside the Spark OSD (On Screen Display), using the Spark Online service or the Upgrade from USB option. The Spark Rescue Image shall only be used with caution in case the receiver does not boot with Spark OS properly. Using the Spark Rescue image improperly might cause malfunctions or damage the Set-Top Box. Please only use the Spark Rescue Image if an authorized service personell advices so. The manufacturer & distributor does not accept any complaints / requests or compensation requests for any issues caused by the improper use of the Spark Rescue Image, or the use of improper Spark Rescue Image!