

Guide for Upgrading ARM Controller Firmware

This little document explains the process needed in order to upgrade the firmware of the ARM controllers designed and developed by Jakub Bednarski.

In order to upgrade the ARM firmware, first you'll need to download the upgrade files here :

http://www.amedia-computer.com/amiga/document/Minimig/ARM_Controller_Firmware_Upgrade/Avril_2013/ARM_Controller_Firmware_Update_Avril2013.zip
http://www.amedia-computer.com/amiga/document/Minimig/Amiga_Core_Update/Mars2013/Amiga_Core_Update_Mars2013.zip

First process : Upgrading the firmware

Here, you will only need the 'FIRMWARE.UPG' or the 'FIRMWAREYQ.UPG' file.

After that, simply insert your SD/MMC card in your Minimig slot and power it up.

When the kickstart is loading, please invoke the OSD menu (with the 'Menu' button on the Minimig's board or the 'F12' key from your keyboard) like it's shown below :



In the OSD menu, please use the right key of your keyboard in order to go to the setting's menu shown below :



After that, select the 'firmware' option in order to get the picture below in order to know which ARM Controller version you use :



N.B. : here, please pay attention to the name of your ARM Version :

- If it's AYQxxxxxx then you'll need to copy the file 'firmwareYQ.upg' to your SD card at its root and rename it to 'firmware.upg',
- if it's any other name then you'll have to copy the file 'firmware.upg' to your SD card at its root.

Once you have copied the suitable upgrade file on your SD card, please put it again in your Minimig's board and power it on.

Please do the same things than above for getting in the OSD menu for upgrading your ARM controller firmware.

At the end, just select the 'update' option and you'll be prompted to confirm your choice :



Just push the 'enter' key of your keyboard (or the fire button of your joystick) for confirming your choice to upgrade your firmware with the new version.

Please note that the upgrade process takes only one second and your Minimig will be restarted automatically after upgrading the firmware.

Second process : Start up the Minimig's board with the suitable core

Here, you will only need the 'minimig1.bin' file.

After upgrading the firmware and restarting up the Minimig's board, there is one last thing to do because your Minimig's board will launch the 'minimig1.bin' file present on the memory card which is not compatible with the new firmware, so you will only have the following blue screen :



Or eventually the following red screen :



Don't panic, it's normal !

After upgrading your firmware, simply copy the new downloaded 'minimig1.bin' file on your SD/MMC card at its root and now you can insert your memory card in your Minimig's board and start it up !

Now you can enjoy the new features bringed by this new firmware !

Thanks to Jakub Bednarski for this great development

Thanks to ACube Systems for producing the Minimig's boards and ARM controllers

Thanks to Minimig_emu on Minimig.net forum for compiling a brand new ARM firmware !

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