



AV4PRO Firmware Release Note

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AV4PRO Firmware release version V2.09

Scope

The AV4PRO family of products is designed to enable four computers to be controlled from a single KVM console. The switch makes use of ADDER's True Emulation technology which enables USB HID devices to be continuously emulated to each computer. This unique technology enables instantaneous and reliable hotkey switching whilst also supporting the extra keys and features of enhanced keyboards and mice.

This v2.09 maintenance release contains changes to support new user configuration options to allow disabling of computer cycling by hotkey. In addition, a fix has been made for support of the Apple A1243 keyboard in configuration mode.

For factory programming, support for an additional programmer has been developed. This does not impact the product firmware.

Parts affected

- AV4PRO-DP (DisplayPort)
- AV4PRO-DVI, -DUAL, -TRIPLE, -QUAD (DVI)
- AV4PRO-VGA, -DUAL, -TRIPLE, -QUAD (VGA)

Previous version

This Release Note details the changes between this version and version 2.08.

Package contents

The upgrade package contains the following:

- This Release Note
- Firmware files as detailed below
- Programming tools as detailed below

Part No	Detailed name
AV4PRO (Adder)	Files: <ul style="list-style-type: none">• AV4PRO_209.txt• AV4PRO_209.hex• KVMUploader.chm• KVMUploader.exe



New features

Issue#	Details
17880	Configuration option Details: A new configuration option to allow disabling of the computer cycling by hotkey
17997	Programming tools support Details: Olimex JTAG programmer now supported
18054	Apple keyboard support Details: Add support for Apple A1243 keyboard in AV4Pro configuration mode

Known issues

Issue#	Details
16033	HP Computer USB issue Details: HP Z440 after Reboot the USB keyboard is not present

Customer upgrade instructions:

1. Connect a VSC40 Options cable between the PC serial port and the AV4PRO unit. Turn off the unit. Power on the unit whilst holding COMPUTER and MODE buttons. The LED display shows a U to indicate Upgrade mode.
2. Open the KVMUploader.exe. (Click Advanced and make sure the options cable's COM port is selected). Click 'Query'. The interface should show the previous version of firmware.
3. Click Browse. Select the AV4_Pro_209.txt file, click Open. Click Upload Now. Confirm (confirm again if at same version number) The Progress bar at the bottom of the tool tracks the upload progress, which is also communicated in the panel above. Completes at 100%
4. If you want to confirm the unit has upgraded to the correct version, then plug in a keyboard, press and hold the COMPUTER button on the front of the AV4PRO unit, then press F on the keyboard. Should change led display to show an F on the unit, press 1 and Enter, then the unit's display will show digits of the firmware version in sequence e.g. 2 0 9.