



# **AV4PRO Firmware Release Note**

Adder Technology Limited

By: Clive Watts  
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Registered Address:  
Adder Technology Limited  
Saxon Way,  
Bar Hill, Cambridge  
CB3 8SL, UK

Adder Corporation  
24 Henry Graf Road  
Newburyport,  
MA 01950  
USA

Adder Technology  
(Asia Pacific) Pte. Ltd.,  
8 Burn Road  
#04-10 Trivex,  
Singapore 369977

**Table of Contents**

AV4PRO Firmware release version V2.09.....1

    Scope.....1

    Parts affected .....1

    Previous version.....1

    Package contents.....1

    New features .....2

    Known issues .....2

    Customer upgrade instructions: .....2

## 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"><li>• AV4PRO_209.txt</li><li>• AV4PRO_209.hex</li><li>• KVMUploader.chm</li><li>• KVMUploader.exe</li></ul>

### ***New features***

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

### ***Known issues***

Issue#	Details
16033	<b>HP Computer USB issue</b> 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.