



## Firmware Revision Information

**Product Code(s):** *ACU5800A*

**Product Name(s):** *KVM Dual-Head Display Port CATx Extender*

**Date Modified:** *January 13<sup>th</sup>, 2016*

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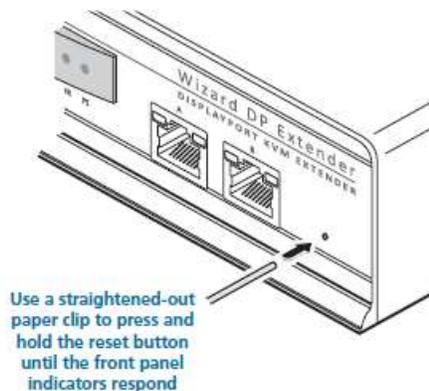
### Upgrade Instructions:

The Wizard DP Extender transmitter and receiver both have serial Options ports which are used for firmware upgrades but are also available during normal use for transferring high speed serial data across the CATx link. This means that you can connect the serial port of the Host computer to the transmitter and any serial device to the receiver. These can then freely communicate at up to 115,200 baud across the transparent link. No serial configuration is required on the Wizard DP Extender units as they merely pass through the serial signals.

Wizard DP Extender units are flash upgradeable using the method outlined here. The same upgrade file is used to upgrade both the transmitter and receiver units (although they are upgraded individually).

**Warning: During the upgrade process, ensure that power is not interrupted as this may leave the unit in an inoperable state.**

1. Download the upgrade file from the Black Box website or FTP site.  
[http://ftp.blackbox.com/connectivity/SERVSWITCH/ss\\_firmware/\\_KVM%20Extenders/ACU5800A/firmware/2.00](http://ftp.blackbox.com/connectivity/SERVSWITCH/ss_firmware/_KVM%20Extenders/ACU5800A/firmware/2.00)
2. Connect the supplied serial cable between your computer and the Options port of the Wizard DP Extender unit to be upgraded.
3. Use a narrow implement (*e.g. a straightened-out paper clip*) to press-and-hold the recessed reset button on the front panel until the indicators begin pulsing.



4. With the unit in download mode, transfer the upgrade file using an XMODEM file transfer via any terminal emulator program. Use the following settings: **115200 baud, 8 bit word, no parity, 1 stop bit (8N1) and no flow control.**
5. Upon completion of the download, the unit will begin to upgrade its stored firmware. Once this process has completed the unit will reboot itself and begin to operate with the new firmware.

## Firmware Revision History:

### Firmware Version 2.00 – January 2016

- Fixed issues with NUM lock / CAPS lock / Scroll Lock leds that would not flash when the hot key sequence of CTRL, CTRL, CTRL is activated.
- Support for EIZO 4K monitors. These monitors support 4K@30Hz with reduced blanking. Previously the extender only transferred the non-reduced blanking EDID. Now the extender will send both the reduced blanking and non-reduced blanking EDIDs.
- It is now possible to bring the OSD menu up on a 4K monitor. Previously it was not possible to display the OSD on a 4K monitor.

### Firmware Version 1.03 – October 2014

- Minor firmware improvements to synchronise with minor hardware updates.

### Firmware Version 1.02 – September 2014

- Can support 4K resolutions (3840x2160) using single stream Display Port ONLY (*multi stream or MST is not supported, check your monitor specs to make sure it is compatible first*). This version has not been fully validated with monitors in the field, however we tested the monitors below:

Monitor	Support
Sharp PN-K321	Not Supported, does not support single stream
Dell 24" 06X55C	Supports 3840x2160
Panasonic TX50-AXW804	Supports 3840x2160

### Firmware Version 1.0 – December 2013

- Initial Release

## USB Compatibility and Reference:

### Mice Tested:

Manufacturer	Model
Acer	SM-9625, M-UVACR1
Asus	Mini-n6
Evoluent	Vertical Mouse 3
Logitech	M-U0007, MX518, G9X, G500, MX5500, Premium optical wheel mouse, Marble Mouse, M310, M505 9with unifying receiver), Wireless optical mouse (M-R006), MS570
Kensington	Value optical mouse
Microsoft	Basic Optical mouse V2.0, Sidewinder laser gaming mouse, Optical mouse 200, wireless mouse 5000, wheel mouse optical
Dell	N8889, M-UVDEL1
Sun	FID-638
Contour	PMO-XL-R
Apple	A1152

### Known Issues Mouse:

- Microsoft comfort optical mouse 3000 is not supported
- Razor Lachesis mouse is not supported

### Keyboards Tested:

Manufacturer	Model
Dell	KB1421, KV212-B, SK-8115, SK-8135, L100
Microsoft	Wired 600 keyboard, wireless 3000 keyboard, SideWinder X6
Belkin	F8E206
Asus	KS2003
Apple	A1243
Logitech	K520, MK300, K800, Wired Illuminated keyboard, Classic 200, Y-RAY 81
Cherry	ML5400
Man and Machine	Simply cool keyboard 201104, Really cool keyboard MMI KR1160
Acer	KU-0760
Kensington	Valukeyboard PK1100U
Sun	Type 6, Type 7
HP	KU2971, KU0316
Accuratus	KYBAC260UP
Cyborg	V7 KU-0728
Roccat	Isku ROC-12-702
Ttesports	Challenger Pro

**Known Issues Keyboard:**

- Dell RTD70 with build in card reader: There is no card reader support on the “USB Port A” True Emulation ports, therefore any keyboard with a card reader will not be supported. Plug device into “USB port B”
- Logitech G15, G19 and G110 gaming keyboards – the LCD and the Macro keys are not supported.
- Logitech MX5500 is not supported
- Razor Black Widow Ultimate is not supported