



Firmware Revision Information

Product Code(s): *KV0004A*

Product Name(s): *ServSwitch Freedom & Glide & Switch*

Date Modified: *April 28th, 2015*

Version 2.07

This is an update to the last version.

- Added support for an iKey DU-5K-USB-FSR keyboard

Known Issues:

- When connecting the 2.06/2.07 firmware version Freedom KV0004A to an Agility system on the user side that is running Agility 3.3, the Freedom can lock up if you move the mouse quickly between Agility receiver inputs. The Freedom appears to freeze but cannot initialize itself like it would if it was directly connected to computers. This issue is currently under investigation. Symptoms of locking up include the LED panel freezing on the Freedom, keyboard/mouse is locked and cannot be moved, and the LED controller freezes on the last known working system. To fix it, the Freedom has to be power cycled.

Version 2.06

This is the last planned maintenance release. All future feature requests will be implemented on the Freedom II platform.

- This version is required to maintain compatibility with the Agility firmware version 3.3
- Glide and Switch support with the Agility solution has been improved. The first mouse click was being lost after a USB disconnect/reconnect was made using these extenders.

Version 2.05

- Added support for Versakey programmable macro keyboards
- Improved compatibility with the Agility KVM Over IP Matrix solution

Version 2.04

- Added support for BIOS access on HPz420
- Added support for the ACU5050A-R2 extender for between computer and the switch
- Dynamic mouse polling rates have been added which has improved KVM extender support

Note: It is not possible to use the ACU5050A-R2 to extend the console of the KV0004A

Version 2.03

- This firmware has added no new functionality; it has resolved a compatibility issue with an up-revision of the display boards. The symptoms of compatibility issue show as the computer button will switch to "2" and then get stuck. Any reports of this should be upgraded to V2.03

Version 2.02

- Added support for Evoluent Vertical Mouse

Version 2.01

- No functional changes. Changes made for internal test processes only.

Version 2.00

- The switch now reports a Glide and Switch mouse permanently. This means that Glide and Switch is supported on any mouse that provides relative mouse data. There will always be a mouse present for the Multi-Monitor drivers to use. In addition it is now possible to emulate up to six devices connected on the keyboard and mouse console port. Keyboards which support multiple devices behind a hub can now be supported.

The USB class of the supported devices on the console port is still limited to HID only devices. It is not possible to use other USB devices (*e.g. Card readers, Memory sticks or Touch screens on the console port*). These devices need to be connected to the transparent USB ports on the switch labelled USB1 and USB2.

Extenders used with the switch need to support absolute mouse data. The recommended extenders are the [ACU5051A](#), [ACU5052A](#), [ACU5501A-R3](#) and [Agility \(ACR1000A and ACR1002A\)](#). The [ACU5250A-R2](#) and [ACU5050A](#) are not supported by the ServSwitch Freedom.

For a full list of lab tested keyboards and mice used with this switch please see (Appendix 1) at the end of these upgrade notes. Linux operating systems may still require modification to support Glide and Switch.

In order to use Glide and Switch on computers with more than one monitor, Multi-Monitor Glide and Switch drivers need to be installed. Windows operating systems that support extended displays are XP, Vista, and Windows 7 these all require drivers. Driver support for Windows 8 is to come later.

Support for the LED module has also been added. This allows you to add up to 10 LED (Light Emitting Diode) monitor indicators to each of your video display screens. As the Freedom switch selects a computer, the appropriate indicator illuminates to clearly show which computer/display is active.

The LED module must be connected to the switch before the switch is powered up. If this is not done the switch will not recognise the module. If the module is removed during operation of the switch, the switch will need power cycling, when the module is connected again, in order for communications to be re-established.

Version 1.61

- Added support for Logitech Unified receiver

Version 1.60

- Added support for Full Speed USB HID devices

- Further improved USB stability

Version 1.50

- Glide and Switch enabled

Version 1.09

- Some USB mice caused the switch to reboot (Fixed)

Appendix 1:

Mice that have been tested.

Manufacturer	Model	KVM Compatible including Glide and Switch	Note
Acer	SM-9625	Yes	
Acer	M-UVACR1	Yes	
Acer	MS.MUV01.001	Yes	
Asus	Mini-n6	Yes	
Lenova	MO28UOL	Yes	
Logitech	M-U0007	Yes	1
Logitech	MX518	Yes	1
Logitech	G9X m-u0006	Yes	
Logitech	G500	Yes	1
Logitech	MX5500 M-RCL124	Yes	1,2,4
Logitech	M-BT58	Yes	
Logitech	T-BC21	Yes	
Logitech	M310	Yes	
Logitech	M505 (unified RX)	Yes	1
Logitech	M-R0006	Yes	1
Logitech	M570	Yes	1
Logitech	M210 M-R0020	Yes	
Logitech	Trackman Wheel 804 360-1000	Yes	
Logitech	B100 M-U0003	Yes	
Logitech	M315	No (does not work)	

Kensington	M/N 1500151	Yes	
Kensington	Pilotmouse 72128	Yes	
Microsoft	M/N 1113	Yes	
Microsoft	M/N 1114	Yes	
Microsoft	M/N 1405	Yes	
Microsoft	Wireless Mouse 5000	Yes	1
Microsoft	Wheel mouse optical	Yes	
Dell	N8889, MS-111P	Yes	
Dell	M-UVDEL1	Yes	
Sun	FID-638	Yes	
Contour	PMO-XL-R	Yes	
Apple	A1152	Yes	3
Razor	Lachesis RZ01-017	Yes	

*Notes:

1. In order to access UEFI bios Glide and Switch needs to be disabled
2. Logitech Set point driver not supported
3. No right mouse button
4. With Glide and Switch disabled mouse switching of channels not supported

Keyboards that have been tested.

Manufacturer	Model	KVM Compatible including Glide and Switch	Note
Dell	KB1421	Yes	
Dell	KB212-B	Yes	
Dell	SK-8115	Yes	
Dell	SK-8135	Yes	
Dell	RT7D60	Yes	2
Dell	L100	Yes	
Microsoft	Wired 600 keyboard	Yes	
Microsoft	Wireless 3000 keyboard	Yes	
Belkin	F8E206	Yes	
Asus	KS2003	Yes	
Apple	A1243	Yes	
Logitech	K520	Yes	1
Logitech	MK300	Yes	1
Logitech	K800	Yes	1
Logitech	MX5500	Yes	1,3
Logitech	Classic 200	Yes	
Logitech	Y-RAY 81	Yes	
Cherry	ML5400	Yes	
Man and Machine	Simply cool keyboard 201104	Yes	
Man and Machine	Really cool keyboard MMI KR1160	Yes	
Acer	KU-0760	Yes	
Kensington	Valukeyboard PK1100U	Yes	
Sun Microsystems	Type 7	Yes	

Sun Microsystems	Type 6	Yes	
HP	KU 2971	Yes	
HP	KU 0316	Yes	
Accuratus	KYBAC260UP	Yes	

*Notes:

1. Logitech set point driver not supported
2. Built in card reader not supported
3. LCD Display not supported

Gaming Keyboards that have been tested.

Manufacturer	Model	KVM Compatible including Glide and Switch	Note
Logitech	G110	Yes	1,2,3
Logitech	G15	Yes	1,3
Logitech	G19	Yes	1,3
Microsoft	SideWinder X6	Yes	
Cyborg	V7-KU-0728	Yes	4
Razor	Black Widow Ultimate RZ03-0038	Yes	
Roccat	Isku ROC-12-702	Yes	
Tesports	Chllenger Pro	Yes	

*Notes:

1. Logitech G-Keys and set point driver not supported
2. Audio devices microphone and speaker not supported
3. LCD Display not supported
4. Windows 8 is not supported

Appendix 2:

Known issues:

- When using multi-monitor drivers, any computer system that has two different video cards is not 100% supported due to differing video drivers. An example is if you use an onboard VGA output and a DVI output on a PCI X16 Express slot video card. Another example is if you use a USB to DVI/VGA converter as a video head and an on-board video head.
- Symantec software will need to be updated to the latest release, otherwise it will notify you of a suspicious.MH690 error and remove the file.