

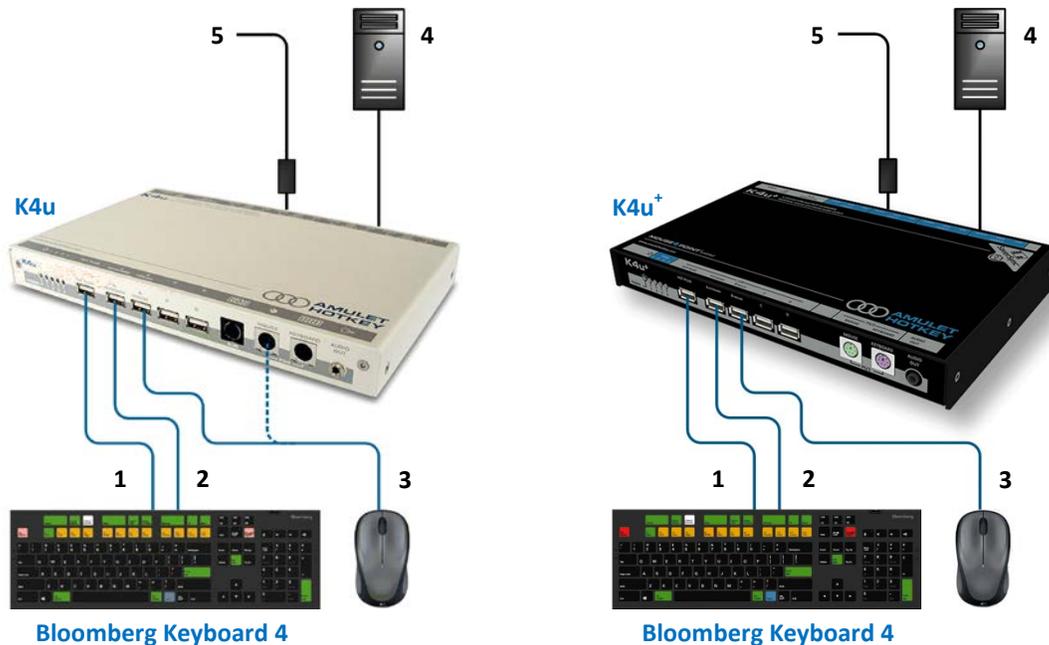
## Application Note

060

### K4u and K4u<sup>+</sup> support for Bloomberg Keyboard 4 (STB100)

#### Overview

Amulet Hotkey K4u and K4u<sup>+</sup> switches support the Bloomberg Keyboard 4 (model STB100). You must connect the keyboard as shown below:



#### ***K4u and K4u<sup>+</sup> connections to Bloomberg Keyboard 4***

- 1 PC port on keyboard connects to Hot-plug port on K4u/K4u<sup>+</sup> front panel (mini-USB to USB)
- 2 KVM port on keyboard connects to Keyboard port on K4u/K4u<sup>+</sup> front panel (mini-USB to USB)
- 3 Mouse connects to Mouse port on K4u/K4u<sup>+</sup> front panel (typically USB, but see note)  
**Note:** PS/2 mice are supported on K4u switches if the switch is running K4u firmware, rather than K4u<sup>+</sup> firmware. PS/2 mice are not supported on K4u<sup>+</sup> switches. For details, see [step 8](#) in the following section.
- 4 Channel 1 connection on K4u/K4u<sup>+</sup> rear panel connects to Bloomberg PC (USB only)
- 5 Power supply

#### Requirements

K4u<sup>+</sup> and K4u switches must have the following Amulet Hotkey concession notes applied to support the Bloomberg Keyboard 4:

- K4u<sup>+</sup> switches require CN661 or later
- K4u switches require CN660 or CN661 or later

Contact Amulet Hotkey Technical Support for details.

## To connect a Bloomberg Keyboard 4

1. Switch off all computers attached to the K4u or K4u<sup>+</sup>.
2. Ensure DIP switch B7 is OFF.
3. Connect the K4u or K4u<sup>+</sup> to an external PSU.
4. Attach the Bloomberg PC to the channel 1 USB port on the rear panel of the K4u or K4u<sup>+</sup>.
5. Attach all other PCs to channels 2, 3 and 4 on the rear panel of the K4u or K4u<sup>+</sup>, using your preferred connection method (USB, PS/2 or legacy Sun).
6. Connect the 'PC' mini-USB socket on the underside of the Bloomberg keyboard to the 'Hot-plug' port on the front panel of the K4u or K4u<sup>+</sup>.
7. Connect the 'KVM' mini-USB socket on the underside of the Bloomberg keyboard to the 'Keyboard' port on the front panel of the K4u or K4u<sup>+</sup>.

A single black mini-USB to USB cable is supplied with the keyboard. You need to acquire a second mini-USB to USB cable to connect the KVM socket to the switch.

**Tip:** The Bloomberg Keyboard 4 is supplied with a black cable. You may find it easier to connect the keyboard to the switch if the 'PC' and 'KVM' cables are different colours. Beige mini-USB to USB cables are available from Amulet Hotkey (part number CL-USBM-0001).

8. Connect a mouse to the 'Mouse' port on the front panel of the K4u or K4u<sup>+</sup>.

K4u<sup>+</sup> switches only support USB mice. K4u switches support USB and PS/2 mice, but see the note.

**Note:** A K4u switch only supports PS/2 mice if it is running K4u firmware, rather than K4u<sup>+</sup> firmware. If the firmware revision is:

- **K4u0m1xx**, the K4u is running K4u firmware and does support PS/2 mice.
- **K4u0m2xx**, the K4u is running K4u<sup>+</sup> firmware and does not support PS/2 mice.

9. Power up the K4u or K4u<sup>+</sup>.
10. Power up the attached computers.

This completes the setup for your Bloomberg Keyboard 4.

**Note:** To use the fingerprint sensor and audio features on the Bloomberg keyboard 4, the hot-plug port on the K4u or K4u<sup>+</sup> must be assigned to channel 1 (the Bloomberg channel; see step 4 above). The hot-plug port is set to channel 1 by default, but if you experience problems with these features (for example, the fingerprint sensor does not work or you are unable to hear streamed audio), verify that the hot-plug port is switched to the Bloomberg channel. To do this, switch the K4u or K4u<sup>+</sup> to the Bloomberg channel and then press the hot keys + U.

## Using a Bloomberg Keyboard 4 with DXZ4 zero clients

For details, see *Application Note 087, DXZ4 support for Bloomberg Keyboard 4*. This application note is available for download on the Amulet Hotkey website.

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