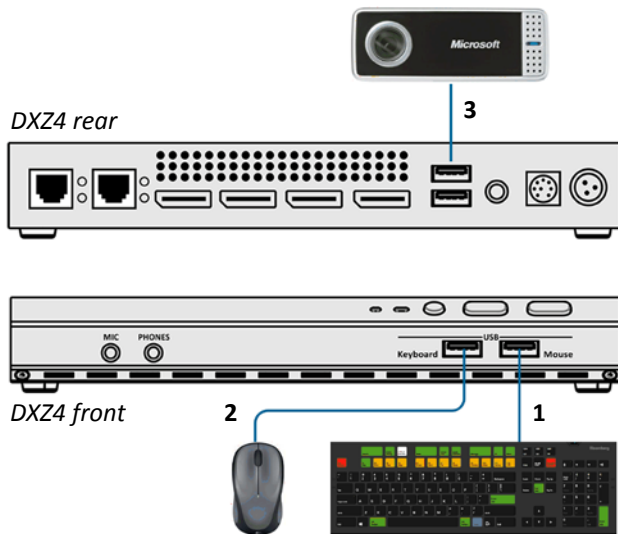


Application Note

087

DXZ4 support for Bloomberg Keyboard 4 (STB100)

Amulet Hotkey DXZ4 zero clients support the Bloomberg Keyboard 4 (model STB100). You must connect the keyboard as shown below:



DXZ4 connections to Bloomberg Keyboard 4

- 1 PC port on keyboard connects to **Mouse** port on DXZ4 front panel (mini-USB to USB)
- 2 Mouse connects to **Keyboard** port on DXZ4 front panel (USB to USB)
- 3 (Optional) Webcam connects to USB port on DXZ4 rear panel. This example shows a Microsoft LifeCam VX-7000.

To connect a Bloomberg Keyboard 4 to a DXZ4

1. Connect the 'PC' mini-USB socket on the underside of the Bloomberg keyboard to the **Mouse** port on the front panel of the DXZ4.
Note: A single black mini-USB to USB cable is supplied with the keyboard.
2. Connect a USB mouse to the **Keyboard** port on the front panel of the DXZ4.
3. (Optional) If using a webcam:
 - a. Connect the webcam to a rear panel USB port on the DXZ4.
 - b. Disable the keyboard's audio function in Device Manager.

This completes the setup for your Bloomberg Keyboard 4.

Background

- Why must I connect my Bloomberg Keyboard 4 to the **Mouse** port and my Mouse to the **Keyboard** port?

We generally recommend this configuration because of i) the bandwidth requirements of the Bloomberg Keyboard 4 and ii) the higher bandwidth capacity of the DXZ4 Mouse port.

The Bloomberg Keyboard 4 consumes a significant proportion of available bandwidth (primarily because of its fingerprint sensor). If this keyboard were plugged into the **Keyboard** port or either of the rear **USB** ports on the DXZ4, this would leave insufficient bandwidth for any webcam to operate correctly.

- Why must I disable audio on my Bloomberg Keyboard 4?

If audio is enabled on the keyboard while a second audio device (such as a webcam) is connected to the DXZ4, there will insufficient bandwidth remaining for the second audio device to operate correctly.

Using a Bloomberg Keyboard with a K4u⁺ switch connected to a DXZ4

If required, you can connect a Bloomberg Keyboard 4 to an Amulet Hotkey K4u⁺ switch that is itself attached to one or more DXZ4 zero clients. In this setup:

1. Connect the keyboard's PC port to the **Hot-plug** port on the K4u⁺ front panel.
2. Connect the keyboard's KVM port to the **Keyboard** port on the K4u⁺ front panel.
3. Attach a mouse to the K4u⁺ in the usual manner.
4. **Important:** Locate the front panel **Mouse** port on the DXZ4 attached to the Bloomberg PC. Then connect this DXZ4 **Mouse** port to the K4u⁺ rear panel **USB** channel port (typically channel 1).
5. Connect the remaining K4u⁺ channels to other zero clients or computers in the usual manner.

Application Note 060 K4u and K4u+ support for Bloomberg Keyboard 4 (STB100) covers keyboard support for the Amulet Hotkey K4u and K4u⁺ switches. This application note is available for download on the Amulet Hotkey website.

PID and VID for Bloomberg Keyboard 4

The Bloomberg Keyboard 4 is listed as a USB audio device in Device Manager. To differentiate the keyboard from any other USB audio devices (such as a webcam) that may be connected to the DXZ4, you need to know the Vendor ID (VID) and Product ID (PID) for the Bloomberg Keyboard 4. These are shown below:

VID: 1188

PID: 9545

Copyright ©2014 Amulet Hotkey Ltd. All rights reserved. Information in this document is subject to change. No part of this document may be reproduced through any means including (but not limited to) electronic or mechanical, without express written permission from Amulet Hotkey Ltd. Amulet Hotkey Ltd may have patents, patent applications, trademarks or copyrights or other intellectual property rights covering subject matter in this document. "Amulet Hotkey" and "solutions you can bank on" are registered trademarks of Amulet Hotkey Ltd. Other product names and company names listed within this document may be trademarks of their respective owners.