

DX Rack - *Modular KVM Extender*



Quick Start Guide

Version 1 14-08-06

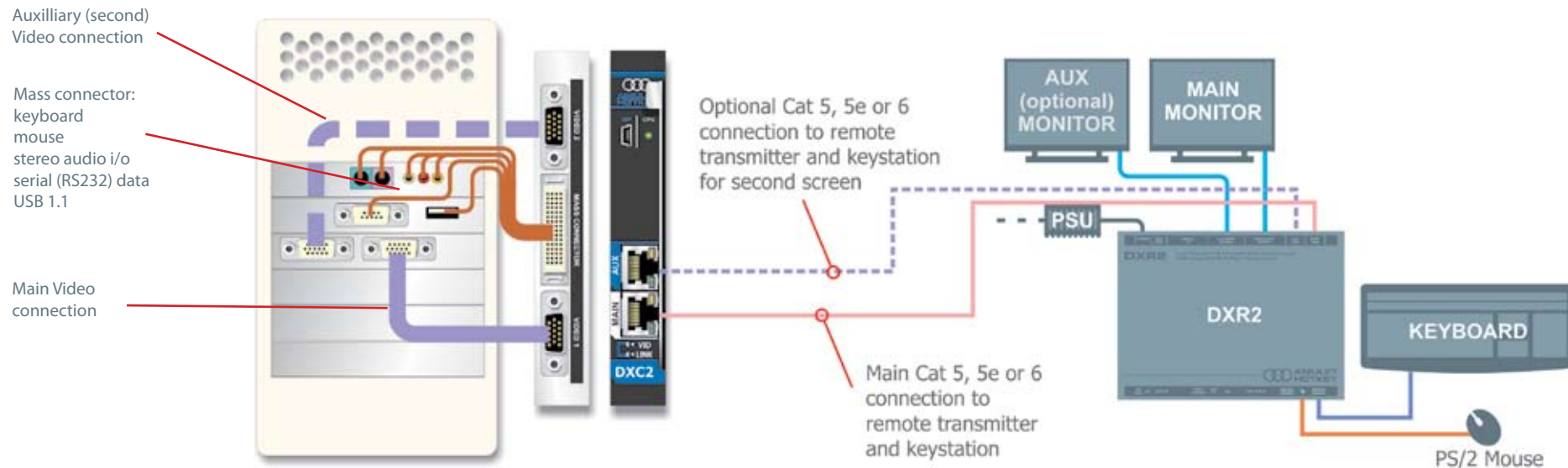
Document Part No: **HB-DXRK-0002**

Overview

The DX Rack is a state of the art modular analogue KVM extender optimised for applications where several computers or servers need to be 'back racked' in a controlled environment away from the workspace.

Up to 16 transmitter cards and two power supplies can be fitted. Cards are available to support standard PS/2 based workstations or servers and Dealing 3000 Keystations. The cards and rack power supplies are hot-swappable. Cards of different types may be mixed in a single rack chassis.

Each transmitter card supports up to 2 heads of analogue video, keyboard, mouse, stereo audio, RS232 serial and USB1.1 data over standard Cat 5, 5e or 6 twisted pair cable. Every card must be connected to an appropriate receiver unit at or near the work desk. The diagram below shows a typical arrangement when connecting to standard PS/2 workstations.



Note. The 'Main' link running between the DXC2 transmitter card front panel and the DXR2 receiver unit rear panel must be connected for the system to operate. The 'Aux' link should only be connected when a second monitor is to be supported. Do not cross connect the Main and Aux links. The system will not function correctly if you do this.

Connection notes:

At the rack...

- 1 Begin by powering down the Workstation /Keystation that will be attached to the DX Rack.
- 2 Ensure the DXC2 /DXK2 and the appropriate rear panel are correctly installed.
- 3 Using the cable set supplied, connect the Workstation / Keystation to the DXC2 / DXK2 rear panel.
- 4 Ensure the DX Rack is powered on.
- 5 You can now power up the Workstation / Keystation.

At the desktop...

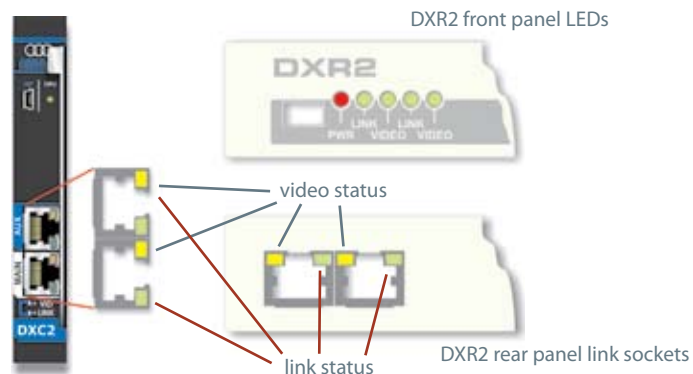
- 6 Connect your keyboard, (Keypad) mouse, monitor(s) and other peripherals to the DXR2. If you are working with a Dealing 3000 Keystation you will need to use the 'dealing adaptor' as shown in Diagram 2.
- 7 Install the DXR2 power supply and power up the unit.

Building wiring...

- 8 You can now patch your twisted pair cable through from the DXC2 / DXK2 front panel sockets to the DXR2 rear panel connectors. For applications with a single monitor, only one twisted pair cable is required and should be connected between the 'Main' sockets on the transmitter and receiver. For dual head applications, two twisted pair cables are necessary with the second cable connecting between the 'Aux' sockets on the transmitter and receiver. Do not cross connect 'Main' and 'Aux' cables as this will stop the system from working.

System status LEDs

The front panel of the transmitter card is fitted with LEDs for Power, Main and Aux Link and Video status. The front panel link LEDs will illuminate green to indicate that a good connection exists between the transmitter and receiver. The front panel video LEDs also illuminate green to indicate a video signal is present on each of the links. These LEDs are also found on the DXR2 receiver front and rear panel as shown below.



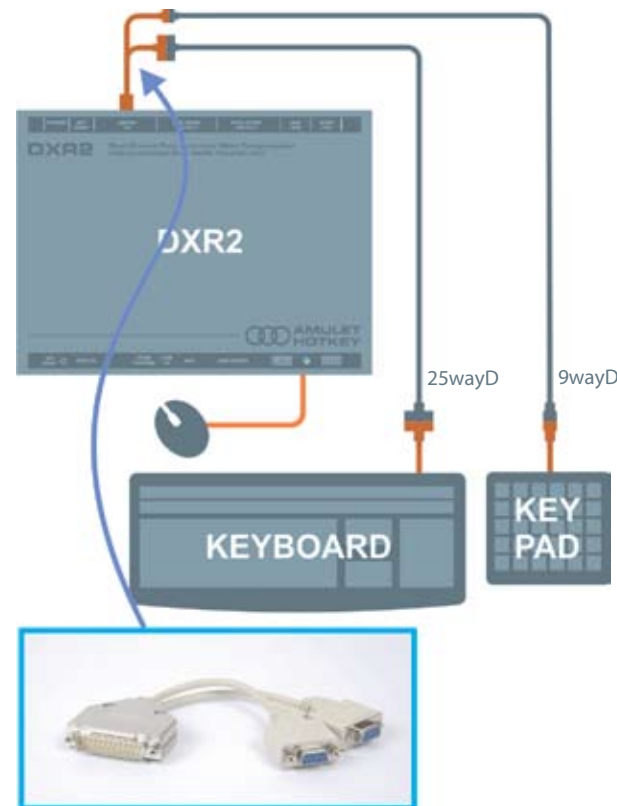
Power Supplies

Where the DX rack has both power supplies fitted please ensure that they are both connected to the mains and powered on otherwise a power loss alarm will sound.

Dealing 3000 Adaptor

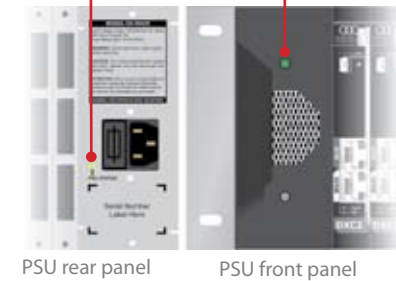
In applications where a keyboard conforming to the Reuters 3rd party dealing keyboard specifications is to be used a 'Dealing adaptor' will be required.

It should be used to connect the keyboard (and keypad) to the DXR2 rear panel serial port as shown in the diagram below:



rear panel PSU status LED is green when operating normally.

front panel PSU status LED is green when operating normally. Red or Off if there is a fault.



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