QUICK-START GUIDE

How to connect the Velocitykvm-24 *to the* router VX160 KVM Matrix Switch

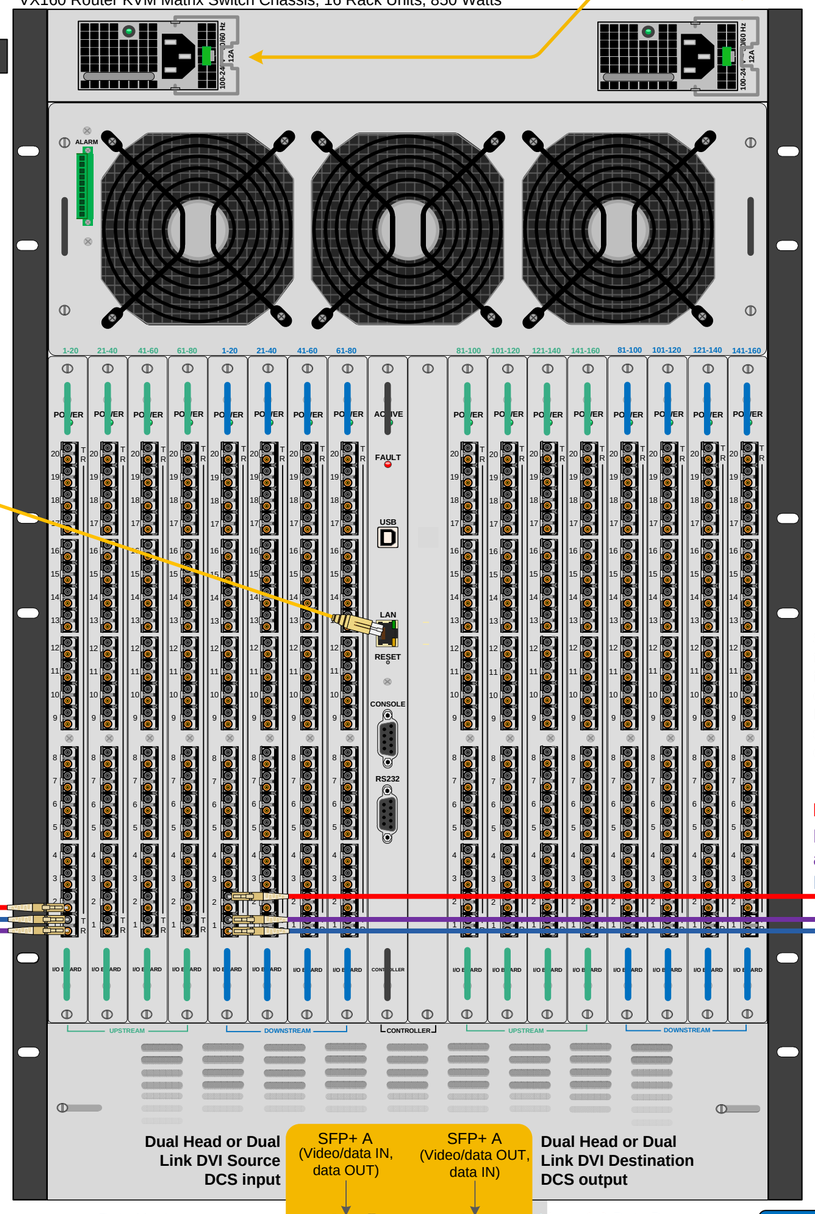
Powered by MRTS Technology

The VX160 router from *Thinklogical*™ is a new, unique class of *COST-EFFECTIVE* matrix switching and KVM extension designed for a variety of *HIGH-PERFORMANCE* computing environments. Comprised of a fiber-in, fiber-out matrix switch and a fiber-optic KVM extender (with a transmitter and receiver), this complete system provides *TRANSPARENT* and *SECURE* routing, switching and extension of video and high-speed data peripherals to remote destinations with ease.

Thinklogical's™ **VX160** KVM Matrix Switch features redundant Power Supplies for uninterrupted performance, even during system reconfiguration, updates or debug. The **VX160** remains fully functional with only one Power Supply installed.

STEP 7: Connect both supplied AC Power Cords (PWR-0000022-R) to the receptacles located on the VX160's power supplies. Plug them into a standard AC source. Verify that all system functions are operating properly.

VX160 Router KVM Matrix Switch Chassis, 16 Rack Units, 850 Watts



Minimum External Control CPU requirements:

- RedHat EL5.3 installed (or CentOS 5.3) (32-bit not 64-bit version)
- 1 Gig RAM
- 1 DVD drive
- VGA and/or DVI video port
- USB or PS2 Keyboard / Mouse
- 2 network ports (port 1 - system maint. port 2 - dedicated to VX160(s))
- 1 RS-232 serial port (Crestron/AMX serial access)
- 20 Gig (minimum) hard drive

8 STEP 8: VX160 CPU Connections

1. Connect network port GB1 to the VX160 LAN port using *either* a crossover cable *or* hub. This port has an IP address of 192.168.13.10

2. Connect network port GB2 to the control network. This is the network used to access the VX160 control software. It is configured to use DHCP to obtain an IP address.

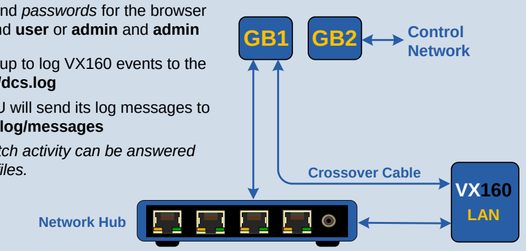
3. From an external CPU, point a web browser to the VX160 control CPU using the address obtained from DHCP. (*Currently, only Firefox is supported. IE will not work.*)

4. The *user names* and *passwords* for the browser interface are **user** and **user** or **admin** and **admin**

5. The system is set up to log VX160 events to the file: **/var/log/dcs.log**

Also, the VX160 CPU will send its log messages to the file: **/var/log/messages**

Questions about switch activity can be answered by examining these files.



(Choose either Crossover Cable or Hub.)

STEP 4: Connect any desired local KMASS devices to the VelocityKVM Transmitter ports.

LOCAL KEYBOARD/ MOUSE

STEP 6: Connect your VelocityKVM Transmitter(s) to the VX160 Upstream ports using multi-mode fiber-optic cables. Connect cable **L1** to a Receive Port, cable **L2** to a Transmit Port and cable **L3** to a Receive Port. (See the *DCS Crosspoint Switch* detail diagram, below.)

L3: Video 2
L2: Data Rx to Tx
L1: Data Tx to Rx and Video 1

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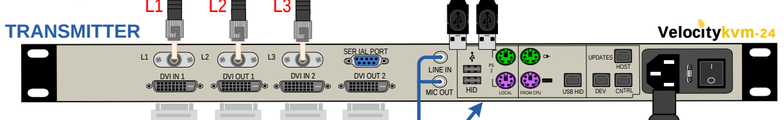


KMASS

DVI IN 1

DVI IN 2

DVI OUT 2

DVI OUT 1

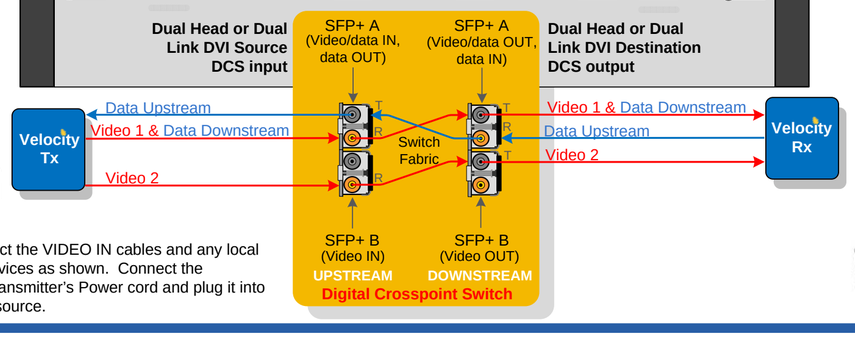
Audio IN/OUT

USB HID, PS/2 (Keyboard / Mouse)

SOURCE CPU

5

STEP 5: Connect the VIDEO IN cables and any local VIDEO OUT devices as shown. Connect the VelocityKVM Transmitter's Power cord and plug it into a standard AC source.



STEP 3: Connect your VelocityKVM Receiver(s) to the VX160 Downstream ports using multi-mode fiber-optic cables (up to 1000 meters). Connect cable **L1** to a Transmit Port, cable **L2** to a Receive Port and cable **L3** to a Transmit port as shown. (See the *DCS Crosspoint Switch* detail diagram, below left.)

L3: Video 2
L1: Data Tx to Rx and Video 1
L2: Data Rx to Tx

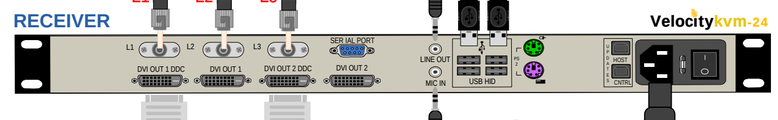
3

Monitor, Projector and Audio Destinations

STEP 1: Depending on your configuration, connect your KMASS devices (audio, keyboard, mouse, etc.) to the VelocityKVM Receiver using standard cables, as shown in the examples below. Turn all the devices ON.

1

AUDIO



2

DVI OUT 1 DDC

DVI OUT 2 DDC

STEP 2: Connect your VIDEO output devices (monitor, projector, etc.) to the VelocityKVM Receiver. Install the Receiver's power cord and plug it into a standard AC source.

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