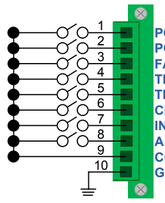
QUICK-START GUIDE

router VX160
KVM Matrix Switch
Powered by
MRTS Technology

The VX160 Router Critical Hardware Alarms: (Located at the top, left rear of the unit.)



POWER SUPPLY 1 (LEFT): *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption and module removed*
POWER SUPPLY 2 (RIGHT): *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption and module removed*
FANS: *Individual fan monitoring*
TEMPERATURE WARNING: *Chassis over temperature, multiple sensors**
TEMPERATURE SHUTDOWN: *Chassis over temperature causing shutdown*
CPU: *Card failure (Only with a redundant card)*
INPUT/OUTPUT CARDS: *SFP+ failure, laser output fault*
ANY OF THE ABOVE
COMMOM
GROUND

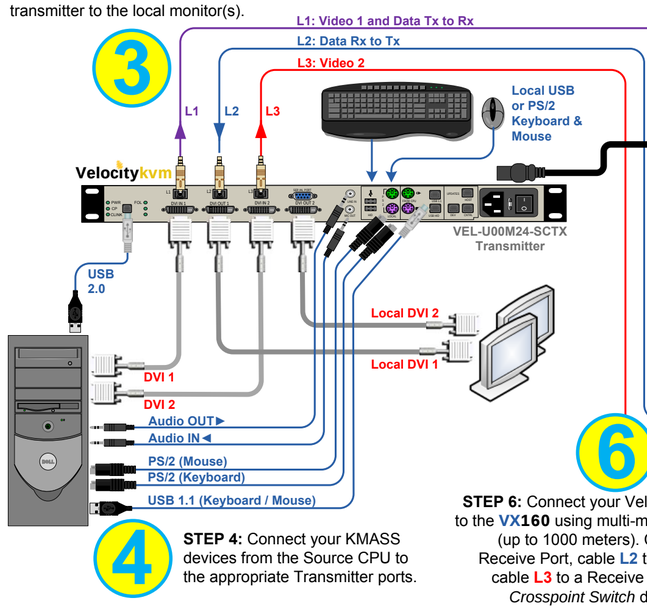
Thinklogical's™ **VX160** KVM Matrix Switch features redundant Power Supplies and Controller Modules for uninterrupted performance, even during system reconfiguration, updates or debug. The **VX160** remains fully functional with only one Power Supply installed or with one Controller activated.

NOTE: *When using a single Controller, the module on the left must be used.*

Dual Head DVI KVM Source

STEP 3: Connect the DVI IN cables from the CPU to the VelocityKVM Transmitter and the DVI OUT cable(s) from the transmitter to the local monitor(s).

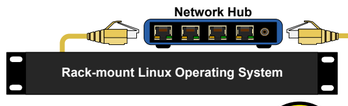
STEP 8: Connect both supplied AC Power Cords (PWR-0000022-R) to the receptacles located on the **VX160**'s power supplies. Plug them to a standard AC source. Verify that all system functions are operating properly.



STEP 4: Connect your KMASS devices from the Source CPU to the appropriate Transmitter ports.

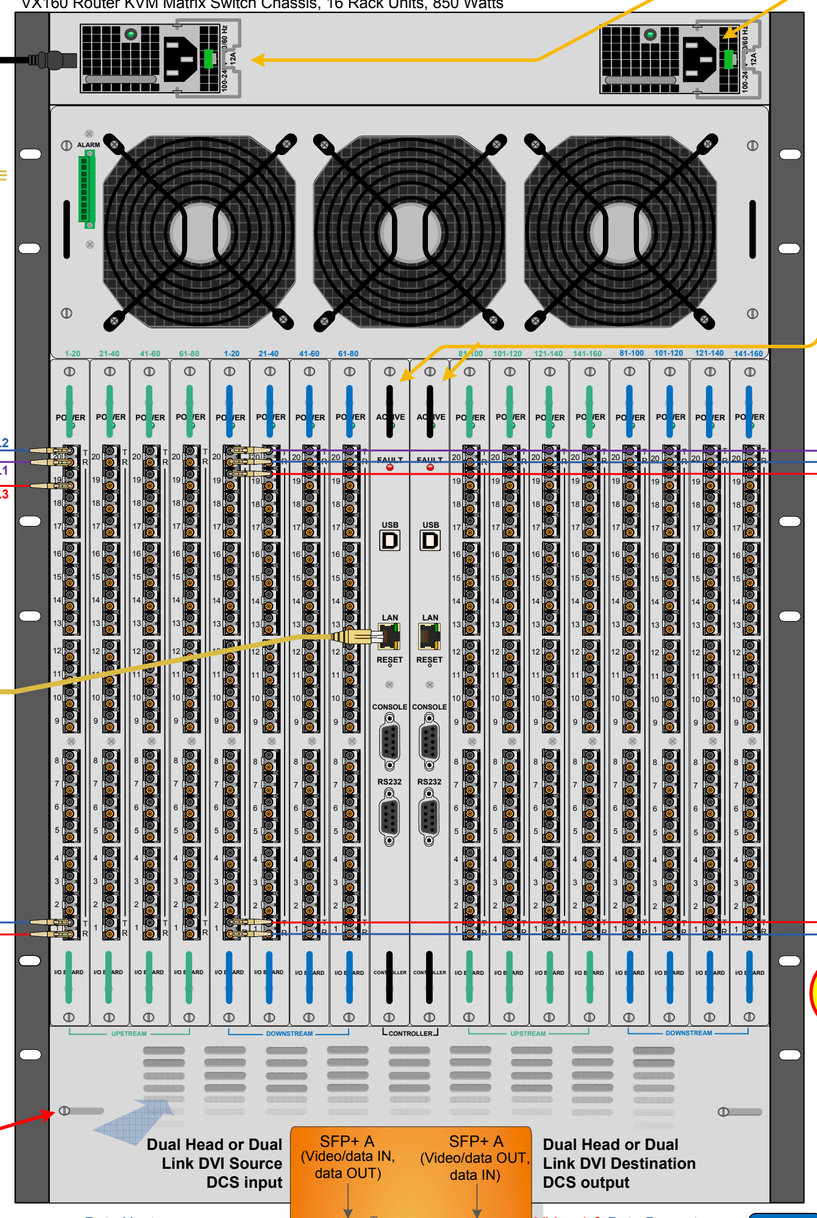
STEP 5: Ensure the VelocityKVM Transmitter's ON/OFF switch is in the OFF (0) position. Connect the Power Cord and plug it into a standard AC source. Put the switch in the ON (1) position.

STEP 6: Connect your VelocityKVM Transmitter to the **VX160** using multi-mode fiber-optic cables (up to 1000 meters). Connect cable **L1** to a Receive Port, cable **L2** to a Transmit Port and cable **L3** to a Receive Port. (See the *Digital Crosspoint Switch* detail diagram, below.)



STEP 7: Connect the Controller Card LAN Port to your Linux CPU with a CAT5 cable.

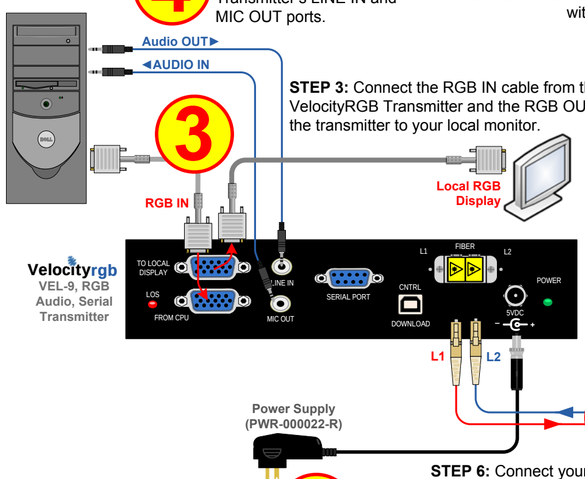
VX160 Router KVM Matrix Switch Chassis, 16 Rack Units, 850 Watts



Single Head RGB Source

STEP 4: Connect your Audio cables to the VelocityRGB Transmitter's LINE IN and MIC OUT ports.

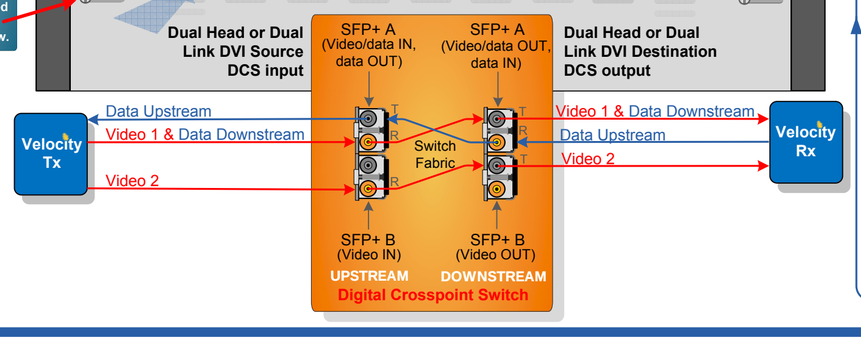
STEP 3: Connect the RGB IN cable from the CPU to the VelocityRGB Transmitter and the RGB OUT cable from the transmitter to your local monitor.



STEP 5: Connect the VelocityRGB Transmitter's 5VDC Power Supply and plug it into a standard AC source.

STEP 6: Connect your VelocityRGB Transmitter to the **VX160** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to a Receive Port and **L2** to a Transmit Port. (See the *Digital Crosspoint Switch* detail diagram, below.)

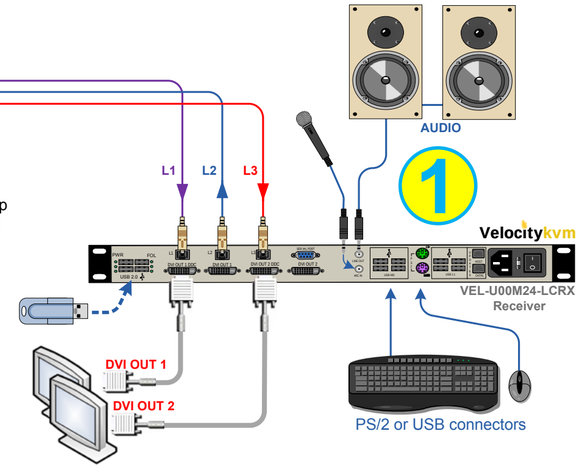
*If the VX160 is mounted in a rack that restricts air intake, additional vents are located at the bottom rear of the unit. These can be opened or closed with sliding thumb-screws to adjust air flow.



Dual Head KVM Destinations

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

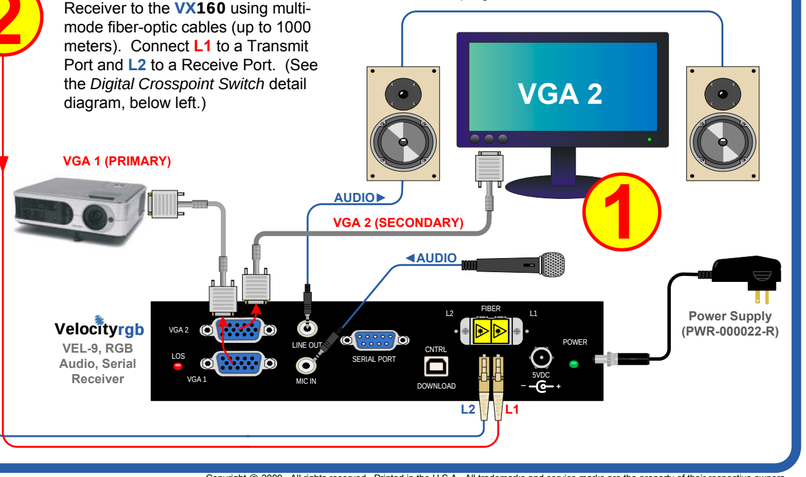
STEP 2: Connect your VelocityKVM Receiver to the **VX160** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to a Transmit Port, **L2** to a Receive Port and **L3** to a Transmit Port as shown. (See the *Digital Crosspoint Switch* detail diagram, below left.)



Monitor, Projector and Audio Locations

STEP 1: Connect your output devices (monitors, audio speakers, projector, etc.) to the VelocityRGB Receiver. Install the Receiver's 5VDC power supply and plug it into a standard AC source.

STEP 2: Connect your VelocityRGB Receiver to the **VX160** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to a Transmit Port and **L2** to a Receive Port. (See the *Digital Crosspoint Switch* detail diagram, below left.)



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