

# QUICK-START GUIDE

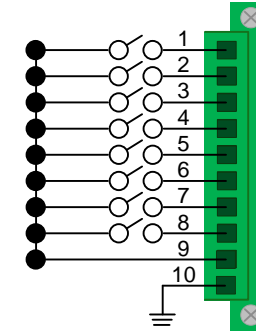
# router VX160 KVM Matrix Switch

Powered by  
MRTS Technology

As used with Thinklogical's™ Velocitykvm-5 and Velocitykvm-24 Video Extension Systems

Complete steps 1 through 8 to connect your Thinklogical™ VX160 Router KVM Matrix Switch

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

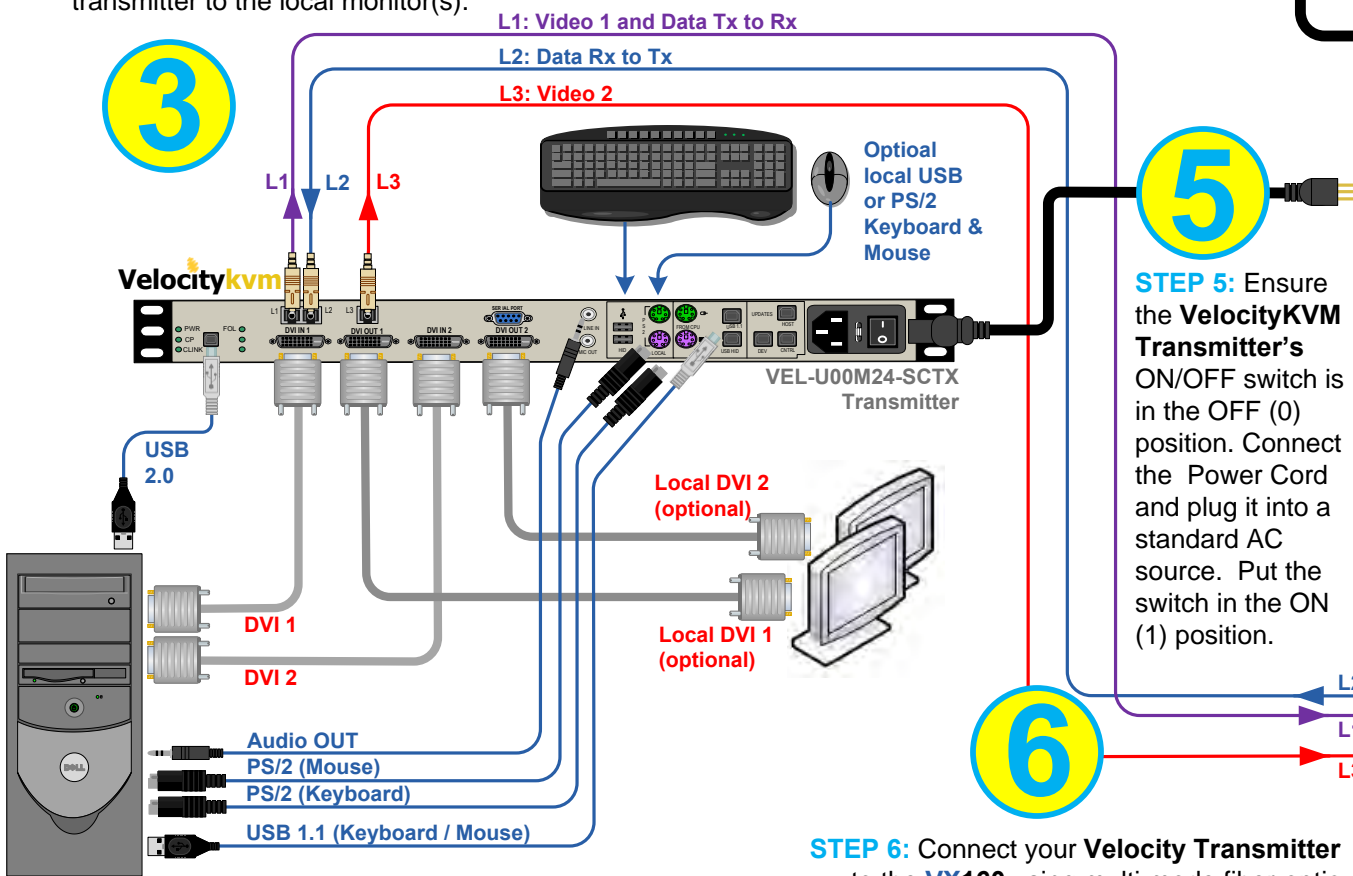


- POWER SUPPLY 1 (LEFT): Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption and module removed
- POWER SUPPLY 2 (RIGHT): Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption and module removed
- FANS: Individual 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
- COMMON GROUND

## 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-0000056-R) to the receptacles located on the VX160's power supplies. Plug each one into a standard AC source. Verify that all system functions are operating properly.

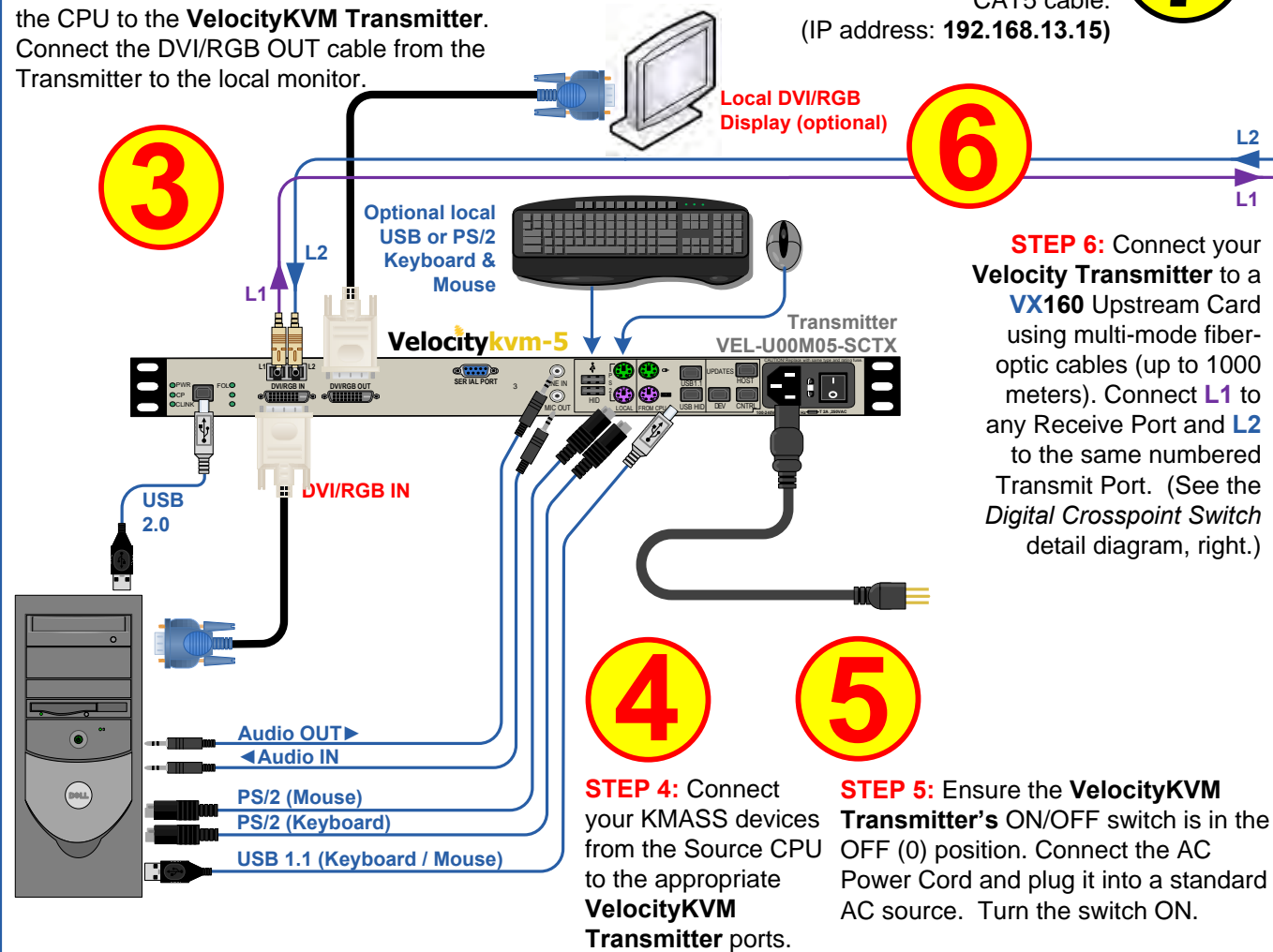


**STEP 4:** Connect your USB, PS/2 and Audio sources to the VelocityKVM Transmitter's inputs.

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

## Single Head DVI/RGB KVM Source

**STEP 3:** Connect the DVI/RGB IN cable from the CPU to the VelocityKVM Transmitter. Connect the DVI/RGB OUT cable from the Transmitter to the local monitor.



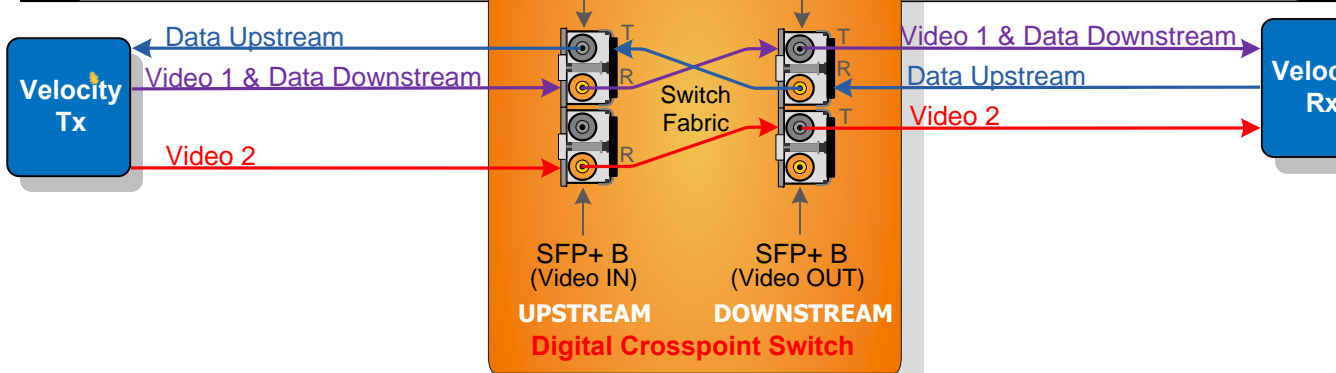
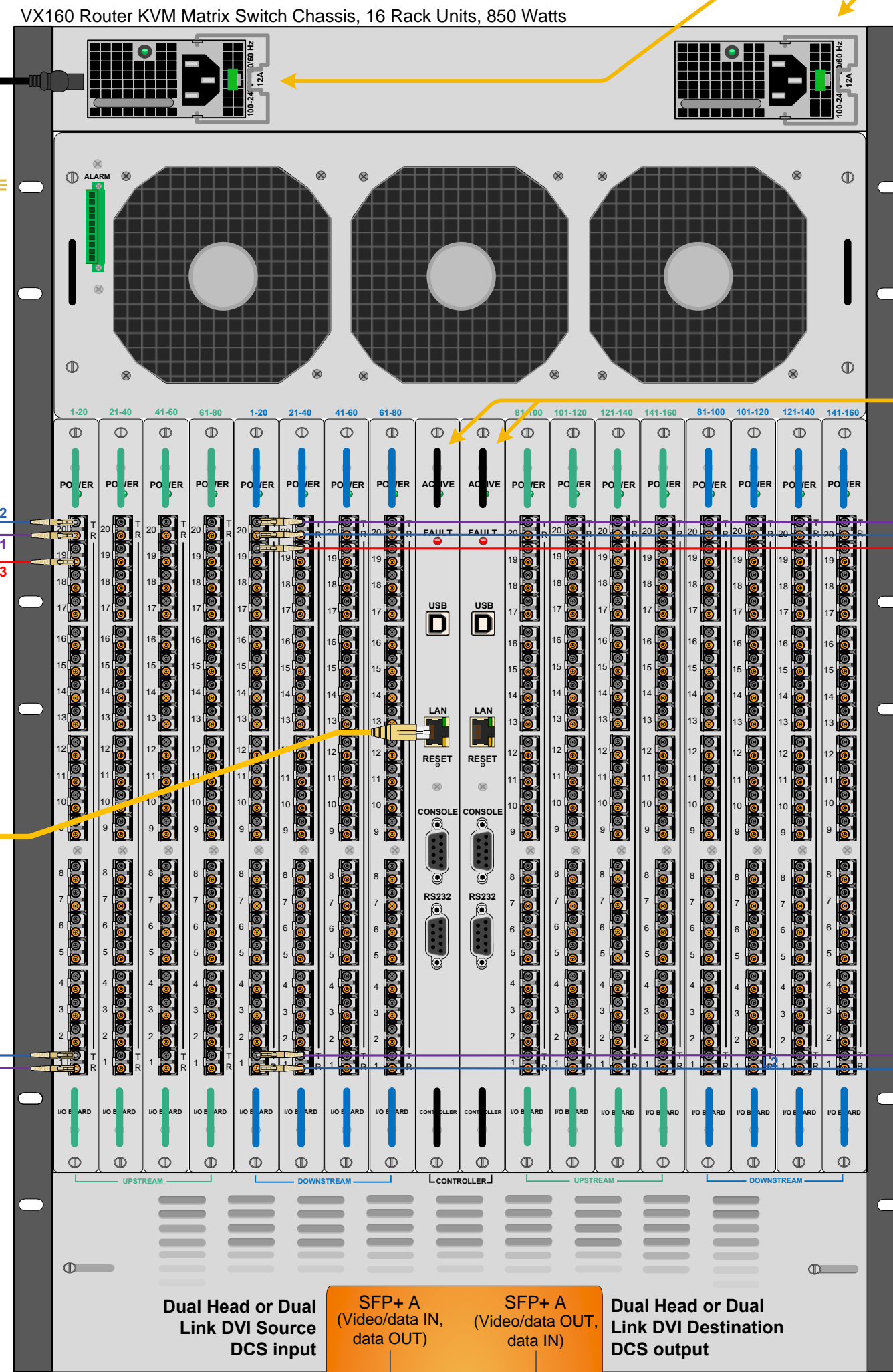
**STEP 4:** Connect your KMASS devices from the Source CPU to the appropriate VelocityKVM Transmitter ports.

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

## Linux Operating System

**STEP 7:** Connect the Controller Card LAN Port to your Linux CPU with a CAT5 cable. (IP address: 192.168.13.15)

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



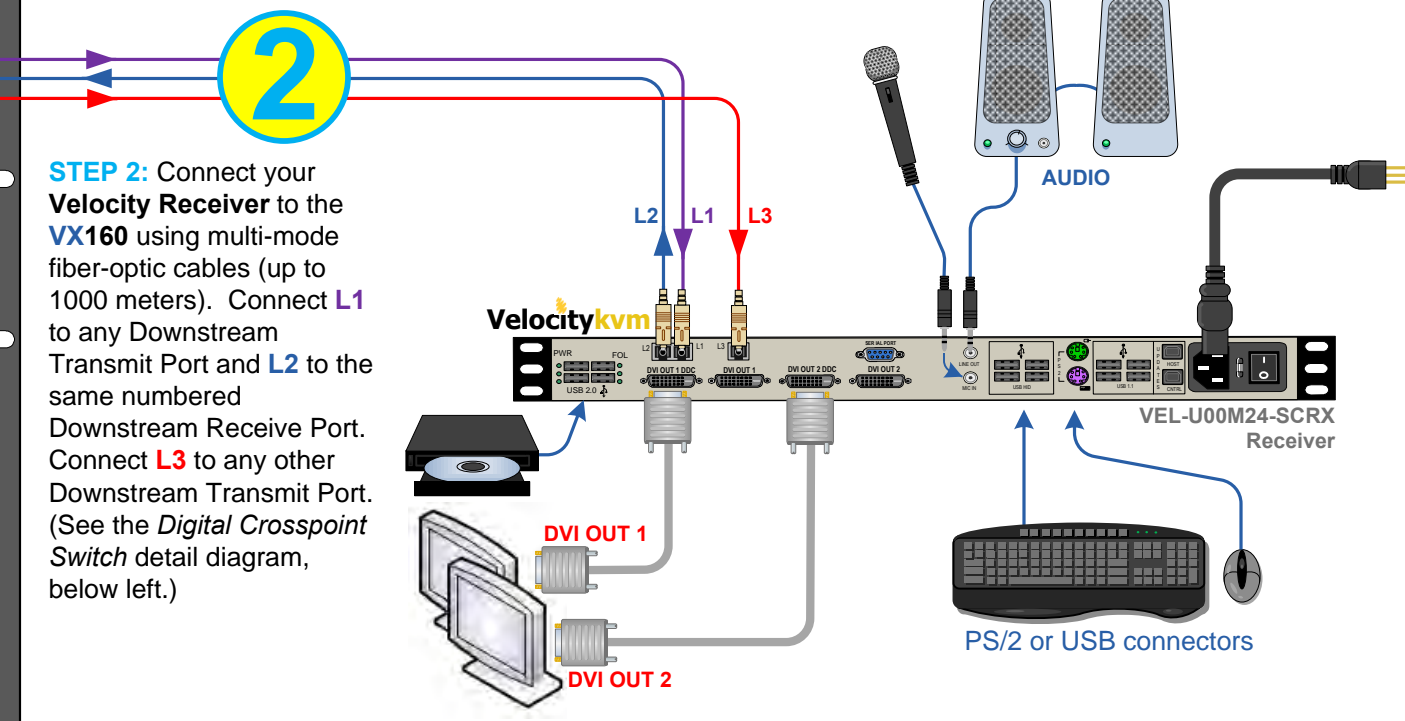
Thinklogical's™ VX160 KVM Matrix Switch features redundant Power Supplies and Fail-Over Controller Modules for uninterrupted performance, even during system reconfiguration, updates or debug. The VX160 remains fully functional with only one Power Supply installed or with one Controller activated.

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

- ### CONTENTS
- Upon receiving your Thinklogical™ VX160 KVM Matrix Switch you should find the following items:
- VX160 Chassis & Cards
  - LC Duplex Bulkhead with Flange
  - 15' CAT5 Cable (1)
  - AC Power Cord (2)
  - Product Manual CD

## Dual Head DVI and KVM Destinations

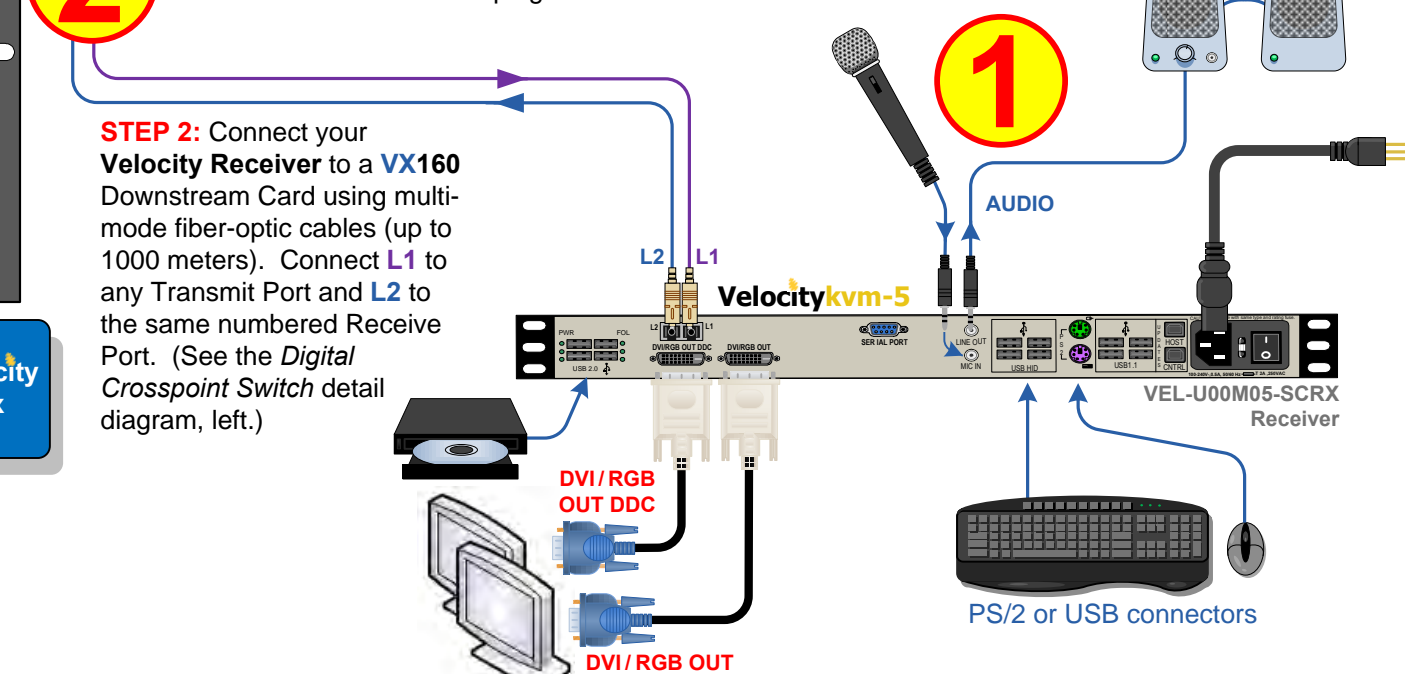
**STEP 1:** Ensure that the VelocityKVM Receiver's ON/OFF switch is in the OFF (0) position. Depending on your configuration, connect your desktop devices (monitors, keyboard, mouse, etc.) to the Receiver using standard cables as shown in the example below. Turn all the devices ON. Insert the AC power cord into the Receiver and plug it into a standard AC source. Turn the unit ON.



**STEP 2:** Connect your Velocity Receiver to the VX160 using multi-mode fiber-optic cables (up to 1000 meters). Connect L1 to any Downstream Transmit Port and L2 to the same numbered Downstream Receive Port. Connect L3 to any other Downstream Transmit Port. (See the Digital Crosspoint Switch detail diagram, below left.)

## Single Head DVI/RGB and KVM Destinations

**STEP 1:** Ensure that the VelocityKVM Receiver's ON/OFF switch is in the OFF (0) position. Depending on your configuration, connect your desktop devices (monitors, keyboard, mouse, etc.) to the Receiver using standard cables as shown in the example below. Turn all the devices ON. Insert the AC power cord into the Receiver and plug it into a standard AC source. Turn the unit ON.



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