

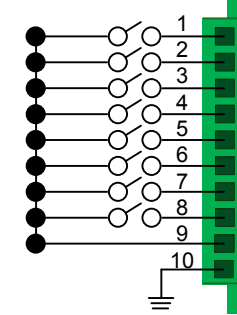
QUICK-START GUIDE

As used with **Thinklogical's™ Velocitydvi Video Extension System-3, Velocityrgb Video Extension System-9 and the Velocitykvm Fiber Extension System-5**

router VX160 KVM Matrix Switch

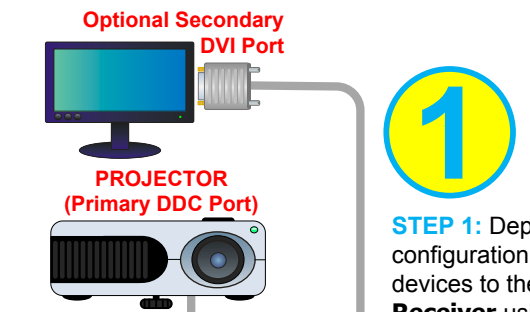
Powered by
MRTS Technology

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 COMMON GROUND

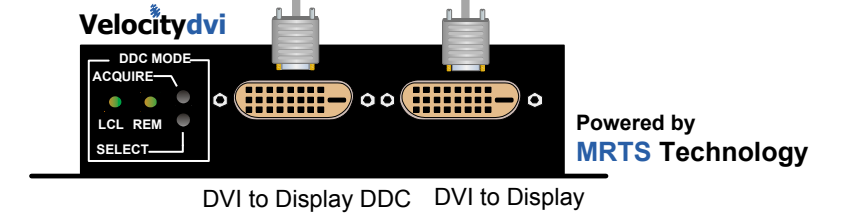
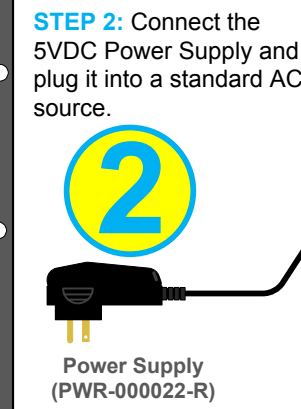
Single-Link DVI Video Destinations



1

STEP 1: Depending on your configuration, connect your video devices to the **Velocitydvi-3 Receiver** using standard DVI cables. Turn all the devices ON.

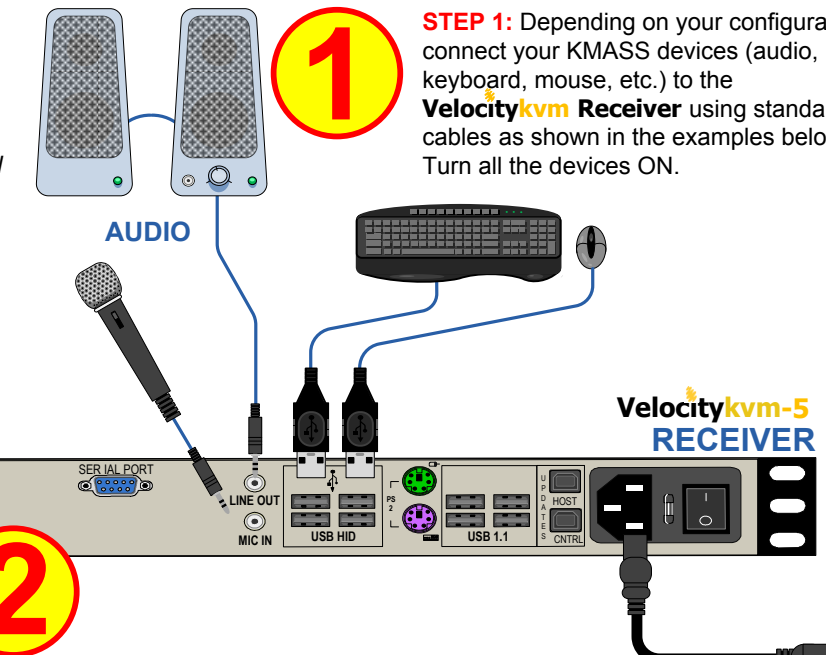
2



3

STEP 3: 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, below.)

Single Head RGB/DVI Video & Audio Destinations



1

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.

3

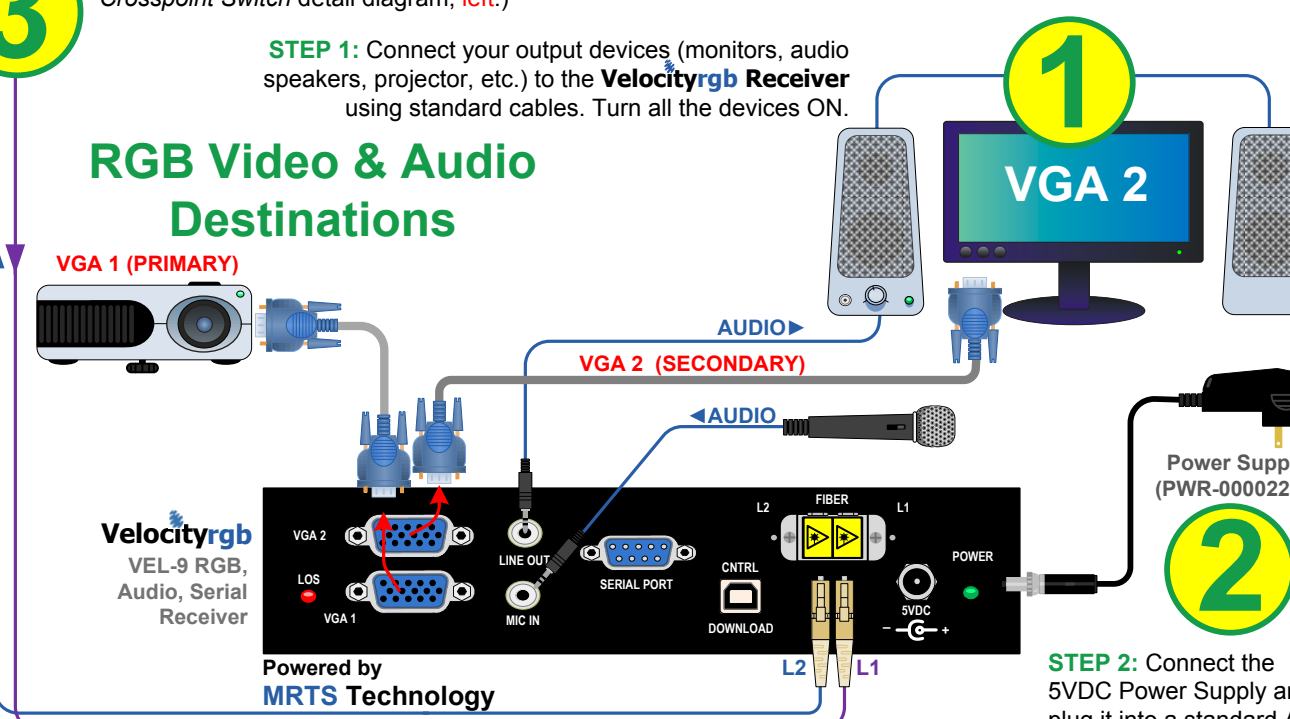
STEP 3: Connect your **Velocity Receiver** to a **VX160 Downstream Card** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any Transmit Port and **L2** to the same numbered Receive Port. (See the *Digital Crosspoint Switch* detail diagram, below.)

2

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. Turn the Receiver ON.

3

RGB Video & Audio Destinations



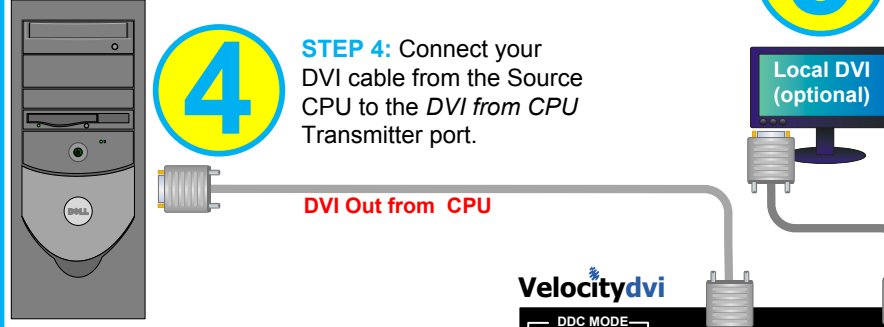
1

STEP 1: Connect your output devices (monitors, audio speakers, projector, etc.) to the **Velocityrgb Receiver** using standard cables. Turn all the devices ON.

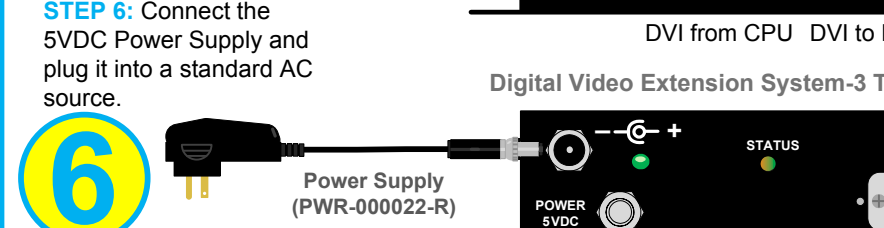
2

STEP 2: Connect the 5VDC Power Supply and plug it into a standard AC source.

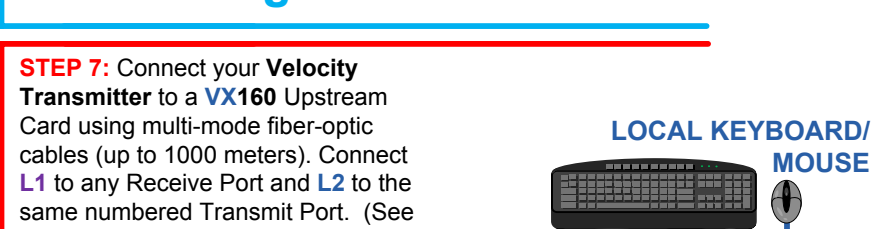
STEP 5: If desired, connect a local video device to the Transmitter's DVI to Local Display port.



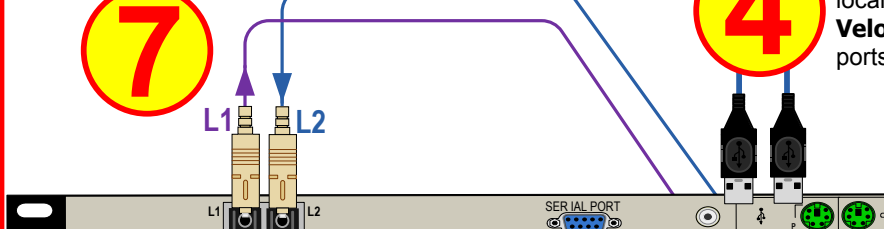
STEP 4: Connect your DVI cable from the Source CPU to the DVI from CPU Transmitter port.



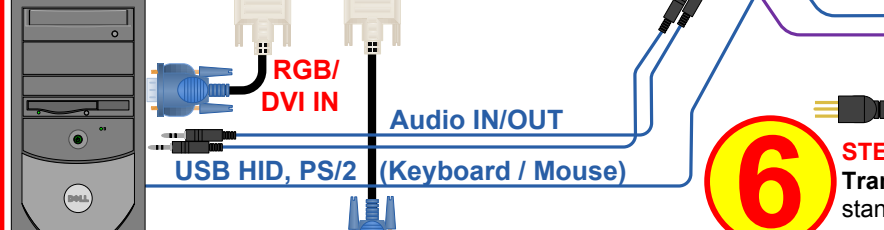
STEP 6: Connect the 5VDC Power Supply and plug it into a standard AC source.



STEP 7: 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, below.)



STEP 4: Connect any desired local KMASS devices to the Velocitykvm Transmitter ports (optional).



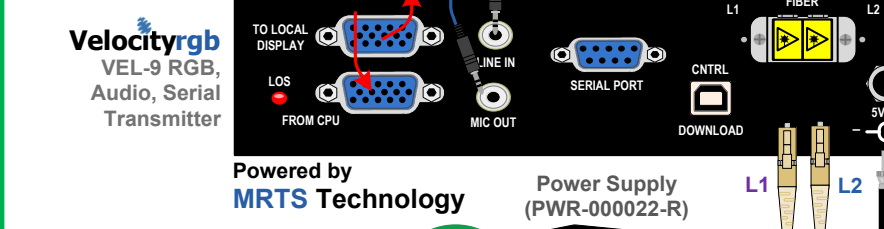
STEP 6: Connect the Velocitykvm Transmitter's Power cord and plug it into a standard AC source. Turn the Transmitter ON.



STEP 5: Connect the RGB/DVI IN cable and local RGB/DVI OUT device as shown.



STEP 4: Connect the RGB IN cable from the CPU to the Velocityrgb Transmitter and the Local Display Cable from the Transmitter to your local monitor.

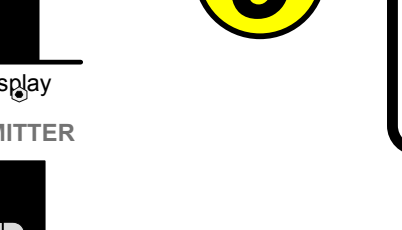


STEP 6: Connect the 5VDC Power Supply and plug it into a standard AC source.

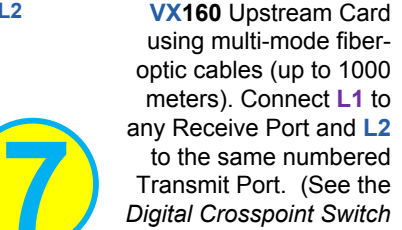


STEP 9: Connect both supplied AC Power Cords (PWR-000056-R) to the receptacles located on the VX160's power supplies. Plug each of them into a standard AC source. Verify that all system functions are operating properly.

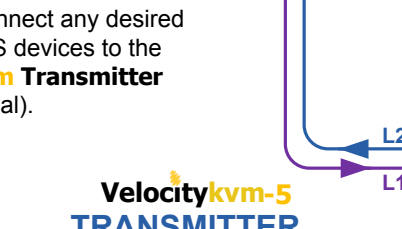
STEP 7: Connect your Velocity Transmitter to a VX160 Upstream Card using multi-mode fiber-optic cables (up to 1000 meters). Connect L1 to any Receive Port and L2 to the same numbered Transmit Port. (See the *Digital Crosspoint Switch* detail diagram, below.)



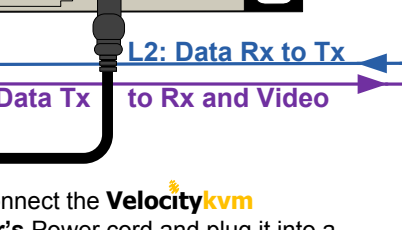
STEP 4: Connect any desired local KMASS devices to the Velocitykvm Transmitter ports (optional).



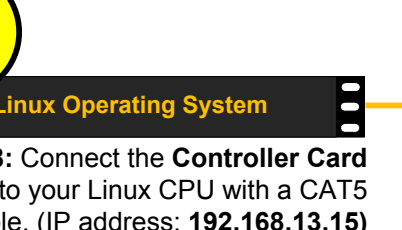
STEP 6: Connect the Velocitykvm Transmitter's Power cord and plug it into a standard AC source. Turn the Transmitter ON.



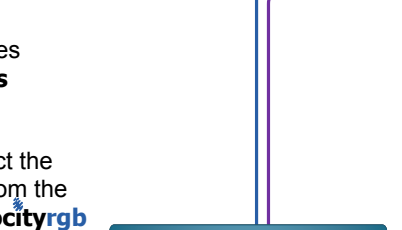
STEP 5: Connect the RGB/DVI IN cable and local RGB/DVI OUT device as shown.



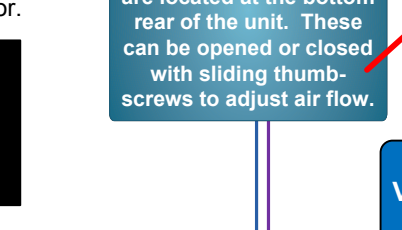
STEP 4: Connect the RGB IN cable from the CPU to the Velocityrgb Transmitter and the Local Display Cable from the Transmitter to your local monitor.



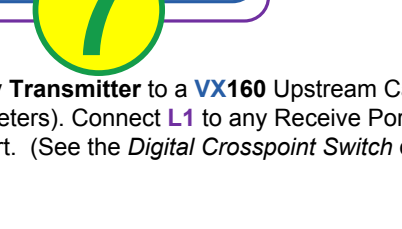
STEP 6: Connect the 5VDC Power Supply and plug it into a standard AC source.



STEP 7: 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.)

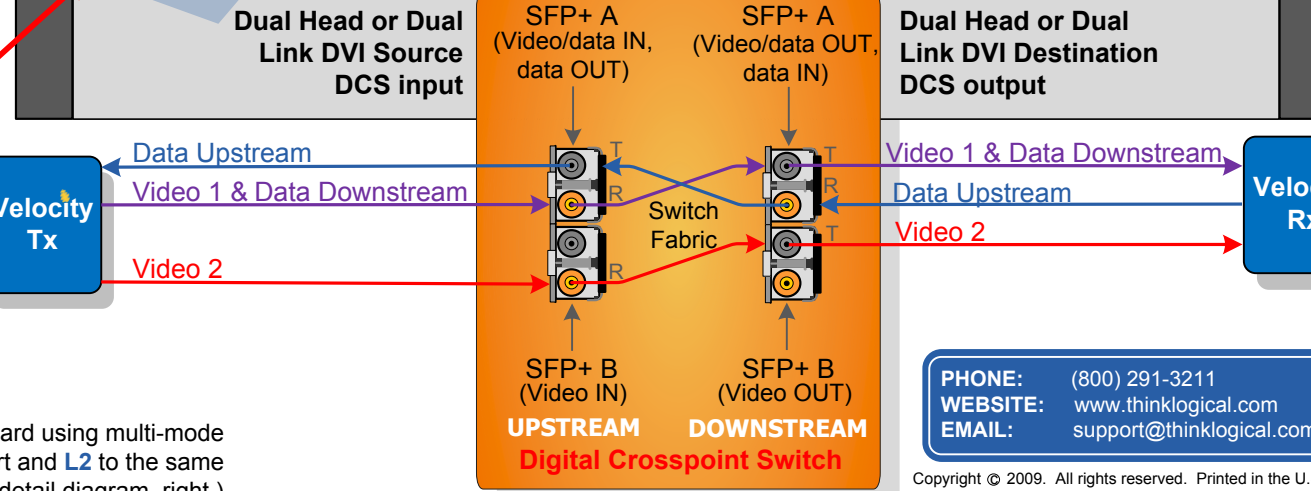
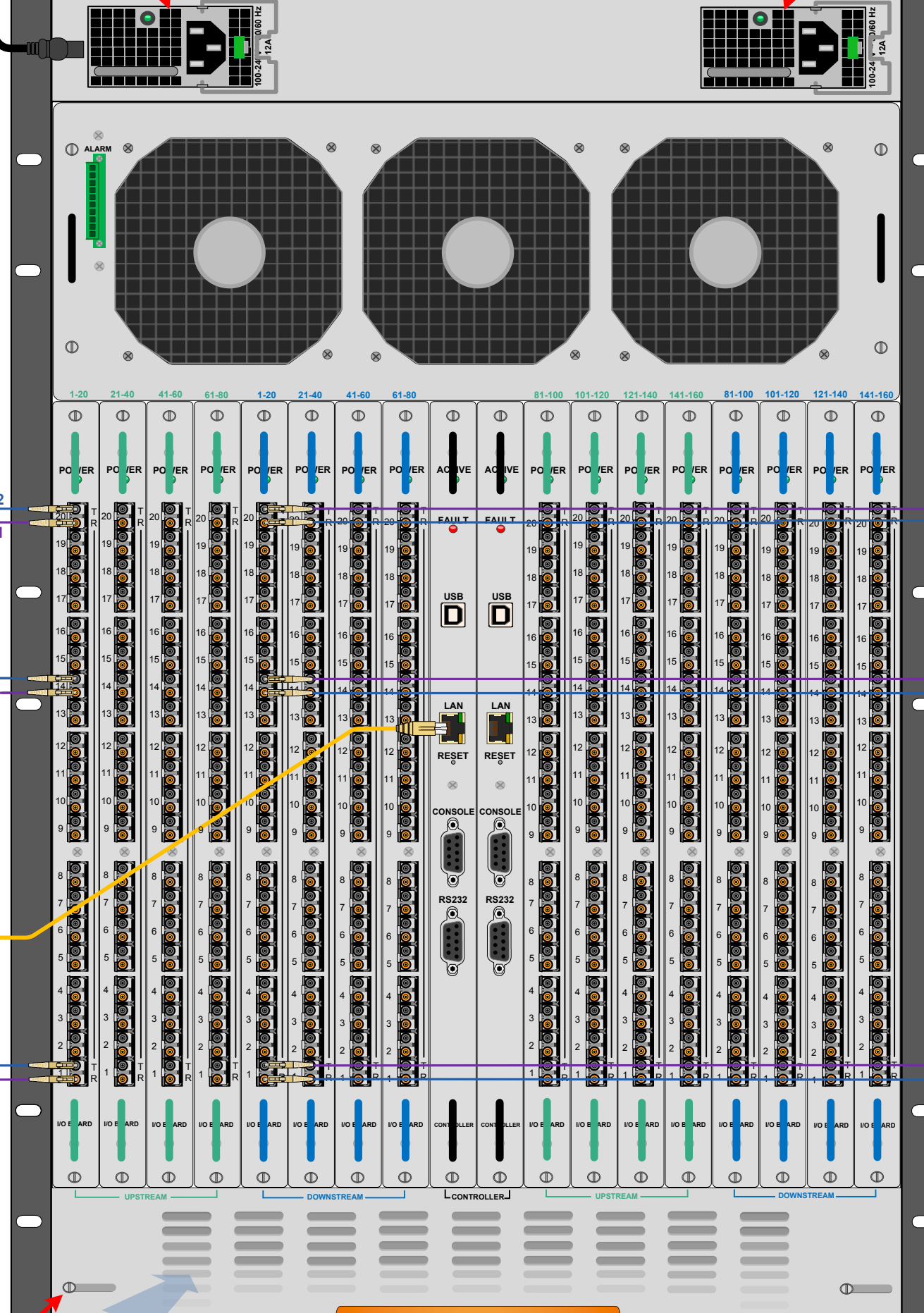


STEP 4: Connect any desired local KMASS devices to the Velocitykvm Transmitter ports (optional).



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.

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



*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.

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