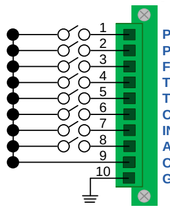
QUICK-START GUIDE

As used with *Thinklogical's*™ Velocitydvi-6 and the Velocitykvm-28 Video Extension Systems

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 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

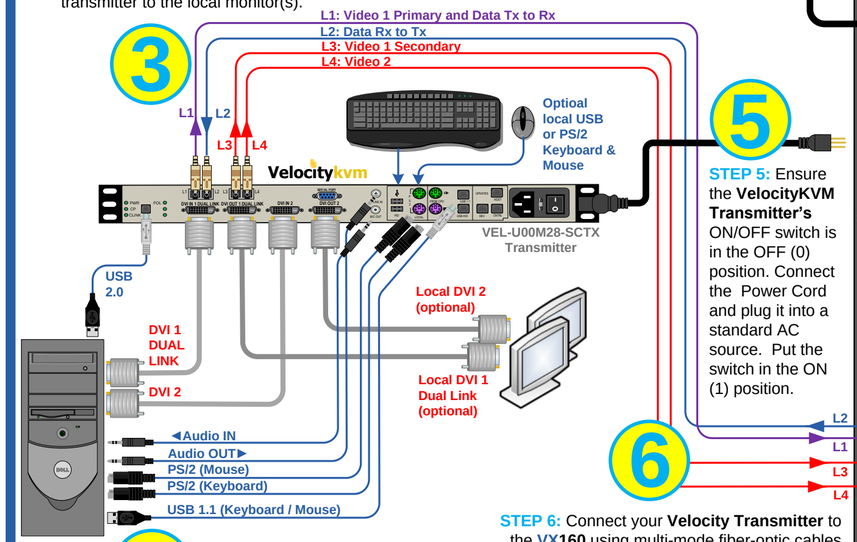
Upon receiving your *Thinklogical*™ **VX160 KVM Matrix Switch** you should find the following items:

- VX160 Chassis & Cards
- LC Duplex Bulkhead with Flange
- 15' CAT5 Cable (1)
- AC Power Cord (2)
- Product Manual CD

Dual Head DVI and KVM 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: (Final step) 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.



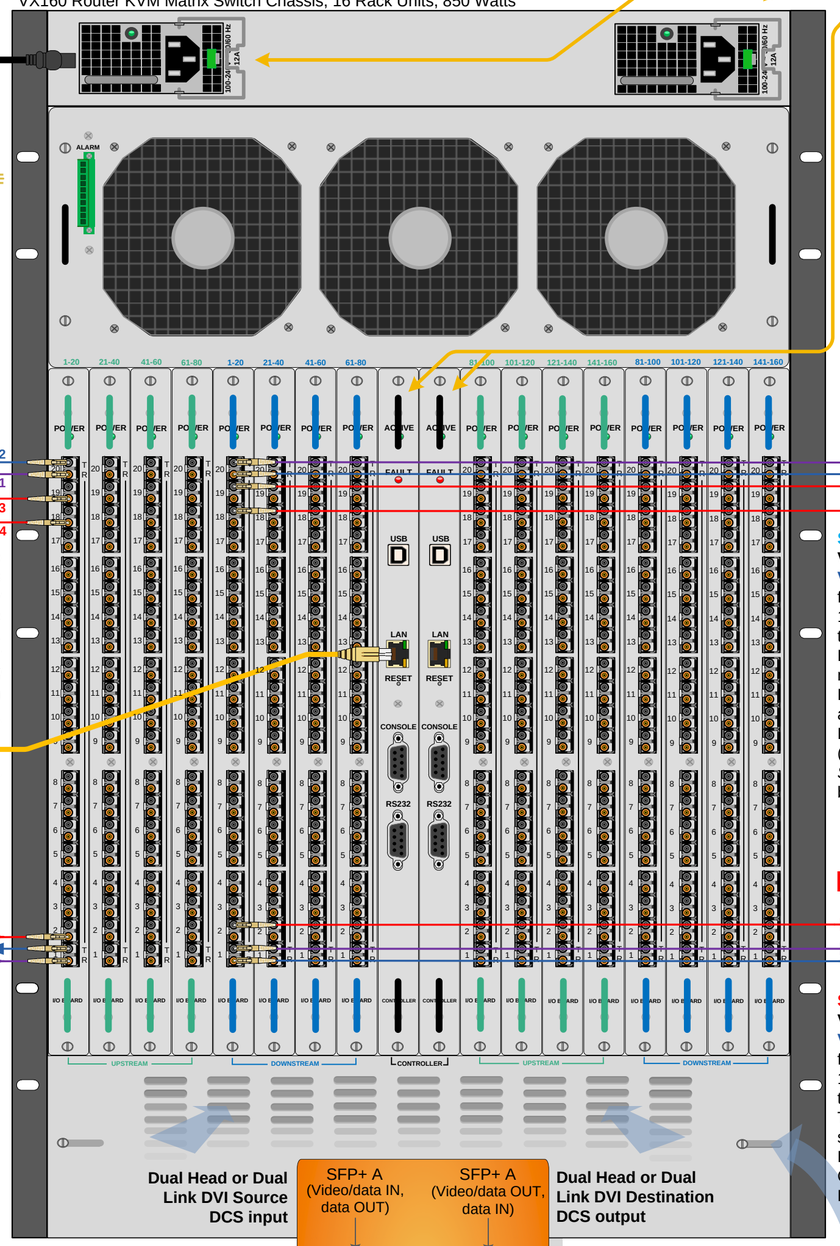
STEP 4: Connect your USB, PS/2 and Audio sources to the **VelocityKVM Transmitter's** inputs.

STEP 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 **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 cables **L3** and **L4** to any other Upstream Receive Ports. (See the *Digital Crosspoint Switch* detail diagram, below.)

STEP 8: Connect the **Controller Card LAN Port** to your Linux CPU with a CAT5 cable. (IP address: **192.168.13.15**)

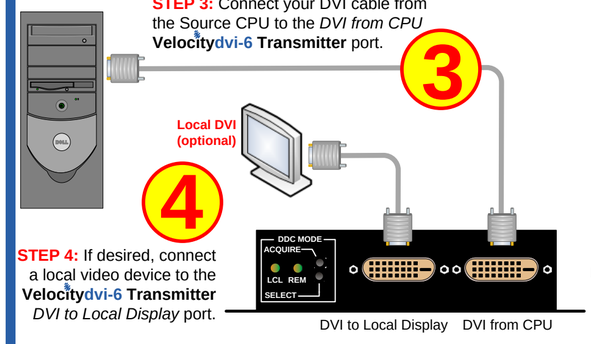
Linux Operating System



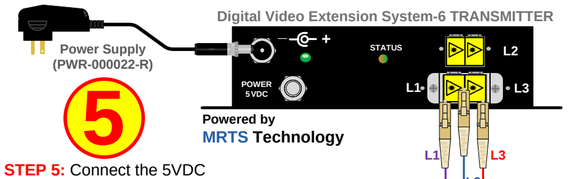
DVI Video, Serial & Audio Source

STEP 3: Connect your DVI cable from the Source CPU to the *DVI from CPU* **Velocitydvi-6 Transmitter** port.

STEP 4: If desired, connect a local video device to the **Velocitydvi-6 Transmitter** *DVI to Local Display* port.



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



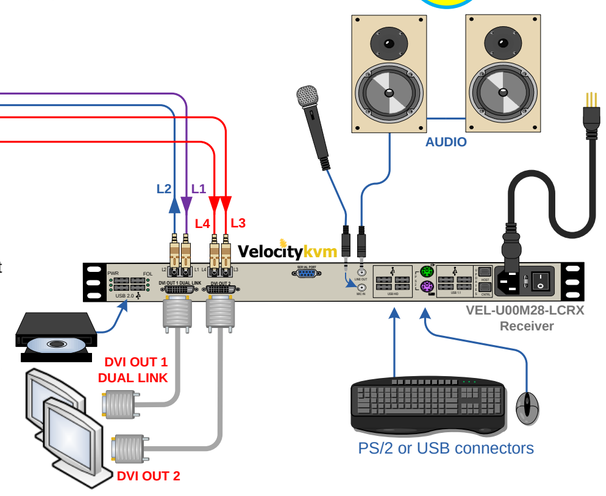
STEP 6: Connect your **Velocity Transmitter** to the **VX160** using multi-mode fiber-optic cables (up to 1000 meters). Connect cable **L1** to any Upstream Receive Port and cable **L2** to the same numbered Upstream Transmit Port. Connect cable **L3** to any other Upstream Receive Port. (See the *Digital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

L1: Video 1 Primary and Data Tx to Rx
L2: Data Rx to Tx
L3: Video 1 Secondary

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.

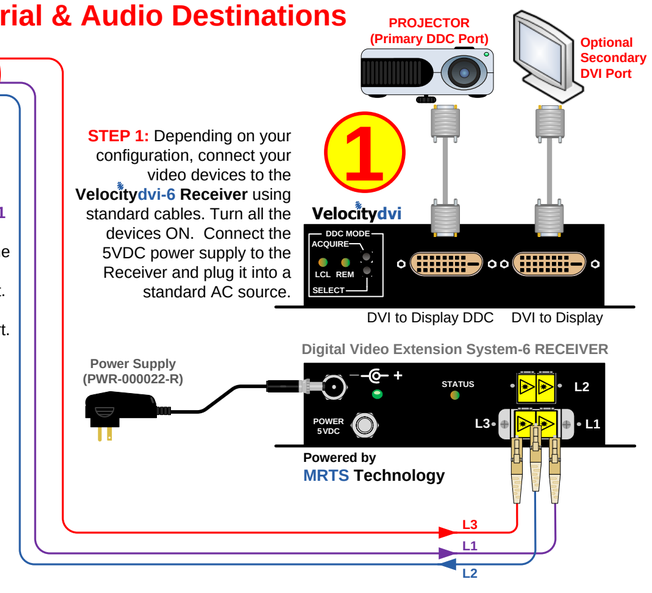
STEP 2: Connect your **Velocity Receiver** to the **VX160** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any Downstream Transmit Port and **L2** to the same numbered Downstream Receive Port. Connect **L3** and **L4** to any other Downstream Transmit Ports. (See the *Digital Crosspoint Switch* detail diagram, below.)



DVI Video, Serial & Audio Destinations

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.

STEP 1: Depending on your configuration, connect your video devices to the **Velocitydvi-6 Receiver** using standard cables. Turn all the devices ON. Connect the 5VDC power supply to the Receiver and plug it into a standard AC source.



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 2 sliding thumb-screws to adjust air flow.

VX160_VEL-6_VEL-28_Quick_Start_Rev_B

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