QUICK-START GUIDE

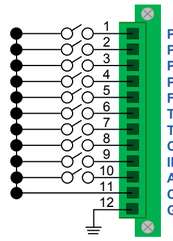
As used with the **Velocitydvi-3AV+** *and the* **Velocitykvm-24**

router VX320

KVM Matrix Switch

Powered by MRTS Technology

The VX320 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 or module removed*
POWER SUPPLY 2: *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption or module removed*
POWER SUPPLY 3: *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption or module removed*
POWER SUPPLY 4 (RIGHT): *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption or 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

Thinklogical's™ **VX320** KVM Matrix Switch features redundant Power Supplies and Fail-Over Controller Modules for uninterrupted performance, even during system reconfiguration, updates or debug. The **VX320** remains fully functional with only one of the two Upper or Lower Card Cage Power Supplies installed or with one Controller activated.

NOTE: *When using a single Controller, the upper module (Primary) must be installed.*

CONTENTS

Upon receiving your *Thinklogical*™ **VX320** KVM Matrix Switch you should find the following items:

- VX320 Chassis & Cards
- LC Duplex Bulkhead with Flange
- 15' CAT5 Cable (1)
- AC Power Cord (4)
- Product Manual CD

Dual Head DVI & KVM Source

STEP 8: Connect the four supplied AC Power Cords (PWR-0000056-R) to the receptacles located on the **VX320**'s power supplies.* Plug each of them into a standard AC source. Verify that all system functions are operating properly.

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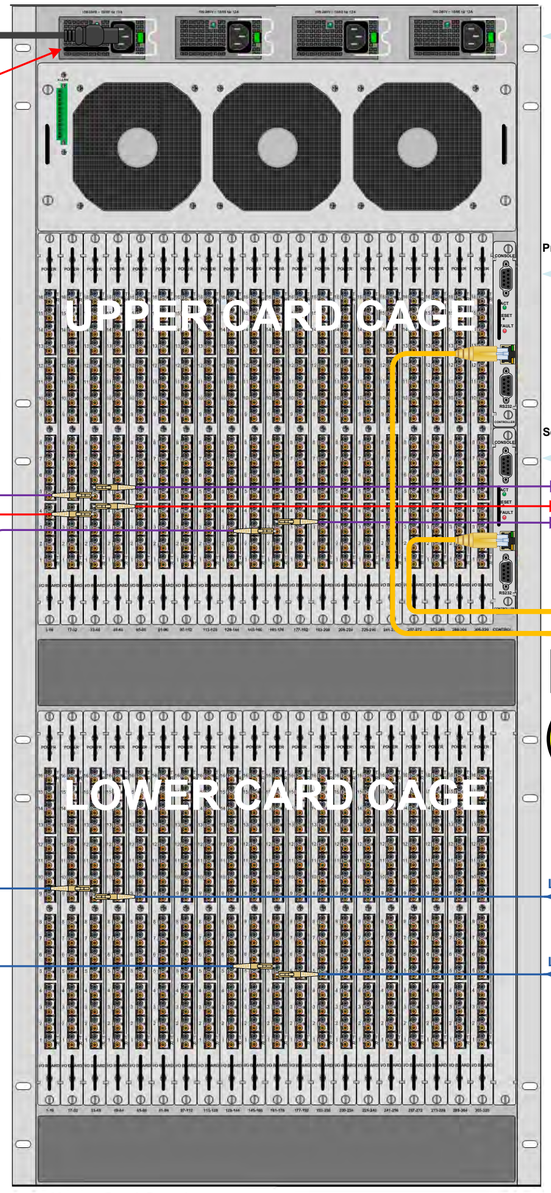
* *Power supplies, Left to Right:*
1 Upper Card Cage Primary
2 Upper Card Cage Back-up
3 Lower Card Cage Primary
4 Lower Card Cage Back-up

VX320 Router KVM Matrix Switch Chassis, 24 Rack Units, 1700 Watts



STEP 5: Connect the DVI IN cables from the CPU to the **VelocityKVM Transmitter**. Connect the DVI OUT cable(s) from the Transmitter to the local monitor(s).

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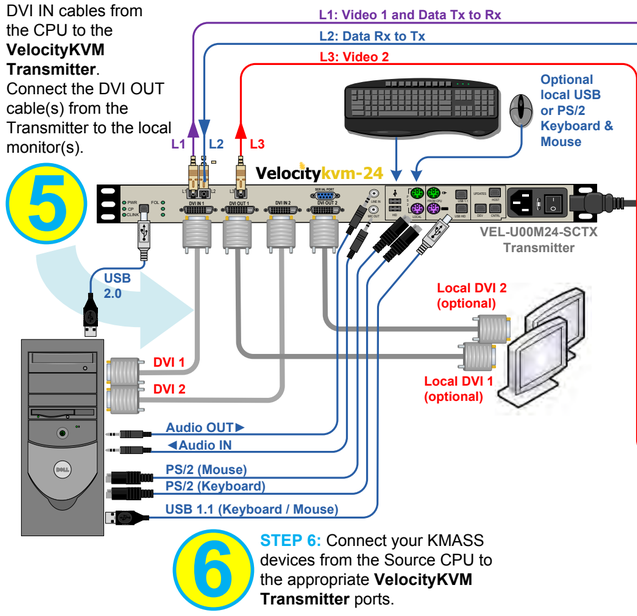

STEP 6: Connect your KMASS devices from the Source CPU to the appropriate **VelocityKVM Transmitter** ports.

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STEP 4: 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.

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STEP 3: Connect your **Velocity Transmitter** to the **VX320** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any **VX320** Upper Card Cage Receive Port. Connect **L2** to the same numbered Lower Card Cage Transmit Port. Connect **L3** to any other Upper Card Cage Receive Port. (See the *Digital Crosspoint Switch* detail diagram, below right.)

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L1 L3 L1 L2 L2

Dual Head DVI & KVM Destinations

STEP 1: Connect your **Velocity Receiver** to the **VX320** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1*** to any Transmit Port on any card of the Upper Card Cage. Connect **L2** to the same numbered Receive Port of the Lower Card Cage. Connect **L3** to any other Transmit Port on the Upper Card Cage. (See the *Digital Crosspoint Switch* detail diagram, below left.)

*When using Velocity Extenders, **fiber L1 carries Video *and* Data** and is treated as a Video Fiber.

1

L1 L3 L1

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

Network Hub

External Control CPU

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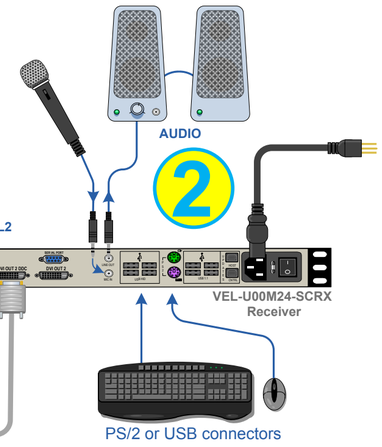
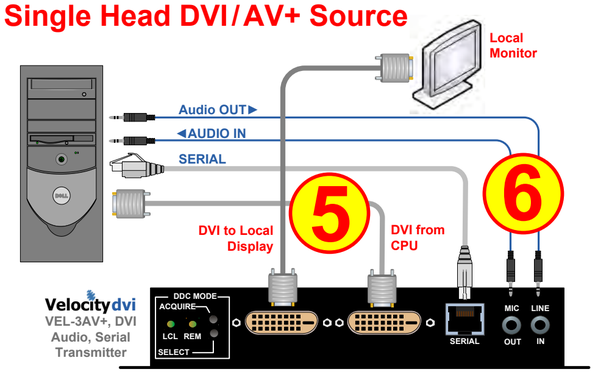
STEP 2: Ensure that the Receiver's ON/OFF switch is in the OFF (0) position. Depending on your configuration, connect your desktop devices (monitors, keyboard, mouse, etc.) to the **VelocityKVM Receiver** using standard cables as shown in the example below. Turn all the devices ON. Insert the AC power cord into the Receiver and plug it into a standard AC source. Turn the unit ON.



Single Head DVI/AV+ Source



STEP 5: Connect the DVI IN cable from the CPU to the ***DVI from CPU*** connector and the DVI OUT cable from the ***DVI to Local Display*** connector to your local monitor.

STEP 6: Connect your CPU's Audio cables to the **VelocityDVI Transmitter**'s LINE IN and MIC OUT ports and your CAT5 cable to the SERIAL Port.

L1: Video & Data Tx to Rx

L2: Data Rx to Tx

STEP 4: Connect the **VelocityDVI Transmitter**'s 5VDC Power Supply and plug it into a standard AC source.

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Power Supply (PWR-000022-R)

STEP 3: Connect your **Velocity Transmitter** to the **VX320** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any **VX320** Upper Card Cage Receive Port. Connect **L2** to the same numbered Lower Card Cage Transmit Port. (See the *Digital Crosspoint Switch* detail diagram, right.)

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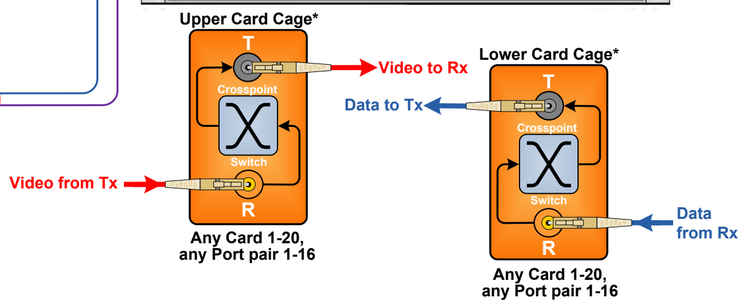

Single Head DVI/AV+ Dstination

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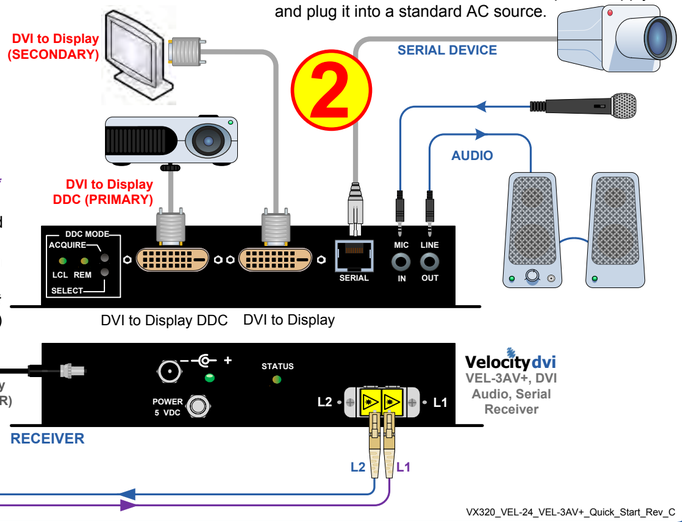
STEP 1: Connect your **Velocity Receiver** to the **VX320** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1*** to any Transmit Port on any card of the Upper Card Cage and **L2** to the same numbered Receive Port on the Lower Card Cage. (See the *Digital Crosspoint Switch* detail diagram, left.)

STEP 2: Connect your output devices (monitors, audio speakers, projector, etc.) to the **VelocityDVI Receiver**. Install the Receiver's 5VDC power supply and plug it into a standard AC source.



**Both the Upper and Lower Card Cages are designed to handle either Video or Data signals.*

VX320_VEL-24_VEL-3AV+_Quick_Start_Rev_C

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