

QUICK-START GUIDE

As used with the Velocitykvm-5 and the Velocitykvm-24
Fiber Extension Systems

Dual Head DVI & KVM Source

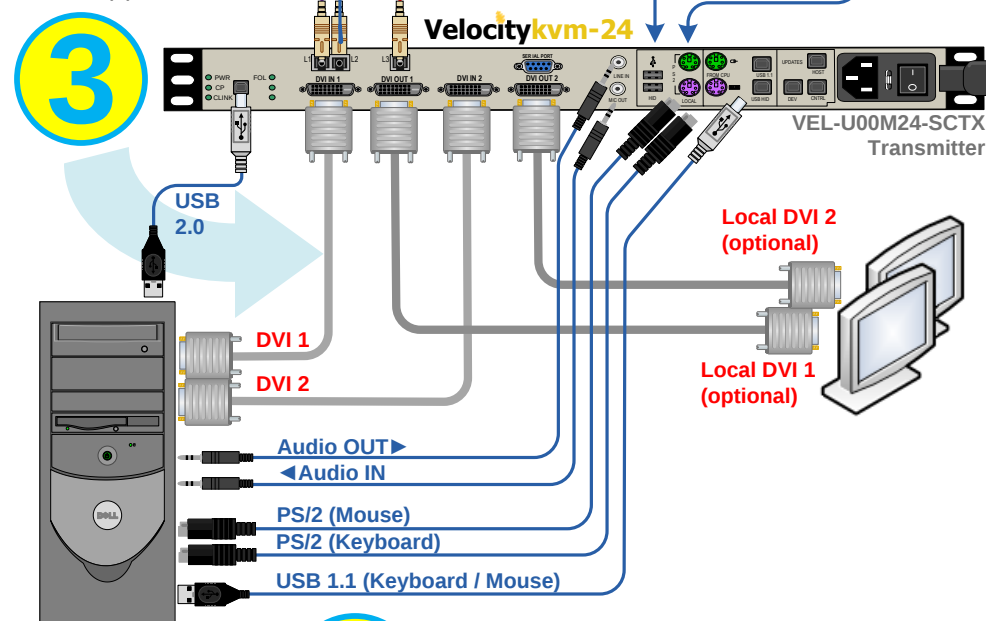
STEP 8: Connect the four supplied AC Power Cords (PWR-0000056-R) to the receptacles located on the **VX320**'s power supplies. Plug each of them into a standard AC source. Verify that all system functions are operating properly.

STEP 3: 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).

L1: Video 1 and Data Tx to Rx

L2: Data Rx to Tx

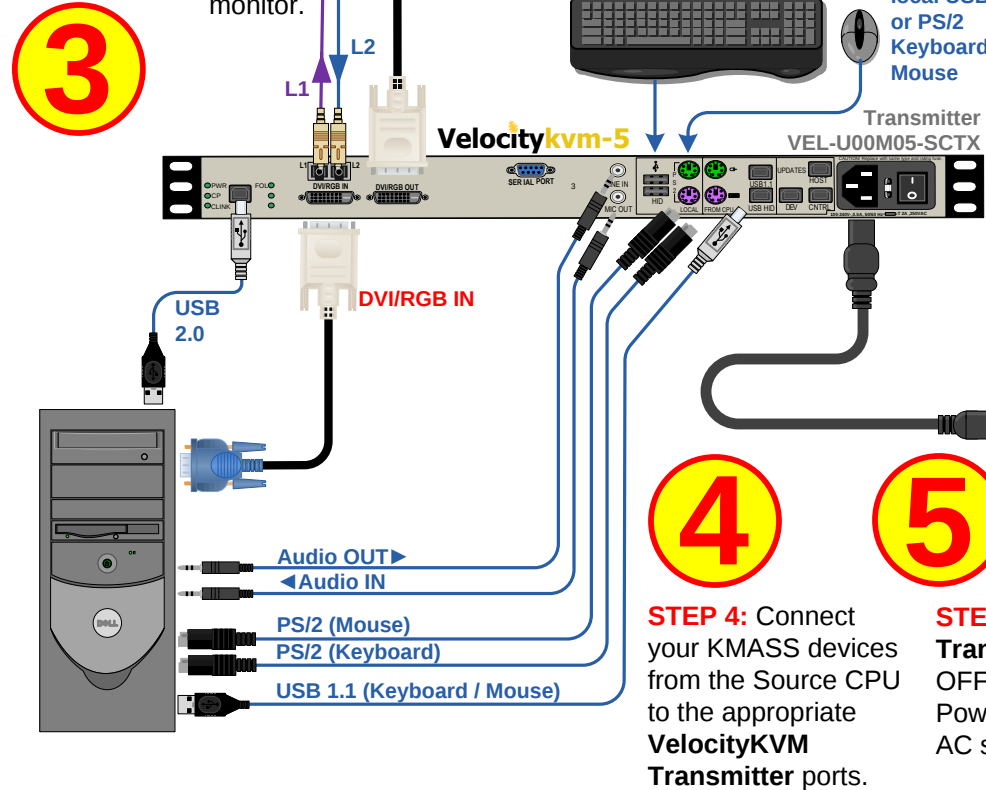
L3: Video 2



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

Single Head DVI/RGB & KVM Source

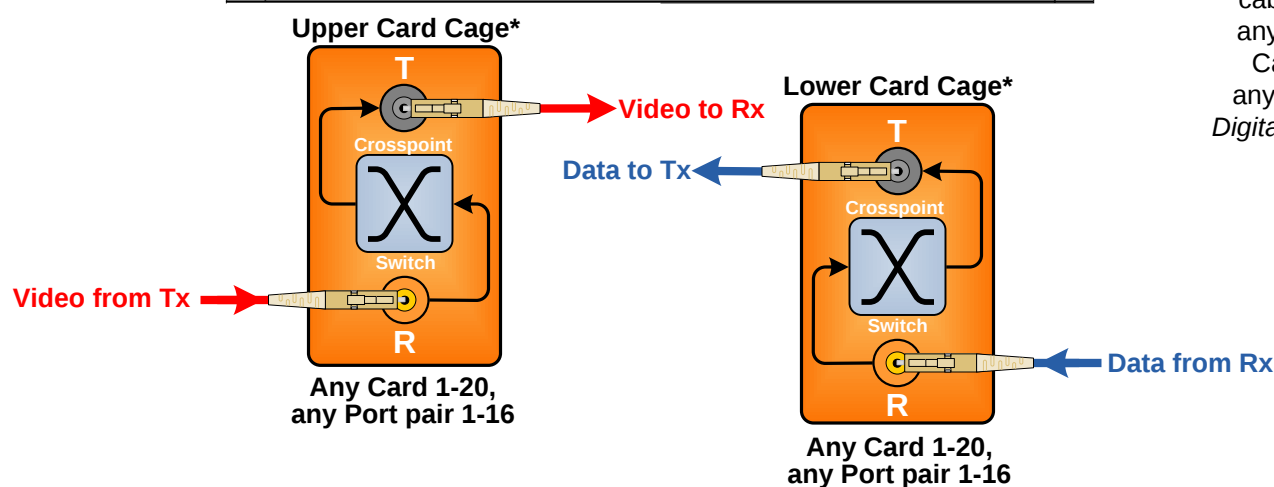
STEP 3: Connect the DVI/RGB IN cable from the CPU to the VelocityKVM Transmitter. Connect the DVI/RGB OUT cable from the Transmitter to the local monitor.



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.

STEP 6: 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 any Lower Card Cage Transmit Port. (See the Digital Crosspoint Switch detail diagram, right.)



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

router VX320 KVM Matrix Switch

Powered by
MRTS Technology

VX320 Router KVM Matrix Switch Chassis, 24 Rack Units, 1600 Watts

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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

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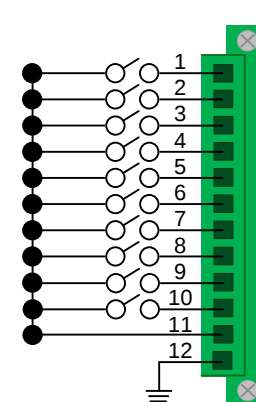
STEP 5: Ensure the VelocityKVM Transmitter's ON/OFF switch is in the OFF (0) position. Connect the AC Power Cord and plug it into a standard AC source. Turn the switch ON.

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STEP 6: Connect your Velocity Transmitter to the **VX320** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** and **L3** to any **VX320** Upper Card Cage Receive Ports. Connect **L2** to any Lower Card Cage Transmit Port. (See the Digital Crosspoint Switch detail diagram, below right.)

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STEP 6: 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 any Lower Card Cage Transmit Port. (See the Digital Crosspoint Switch detail diagram, right.)



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

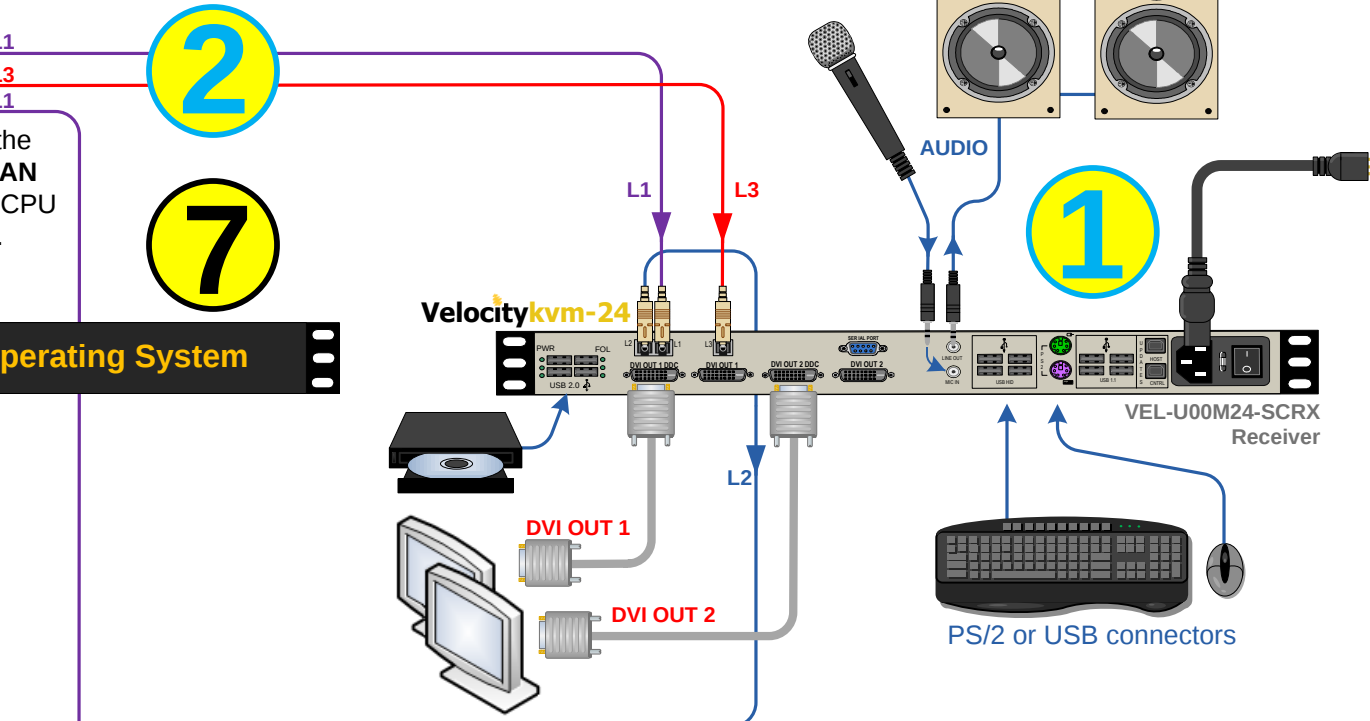
Dual Head DVI & KVM Destinations

STEP 2: Connect your Velocity Receiver to the **VX320** using multi-mode fiber-optic cables (up to 1000 meters). Connect cables **L1*** and **L3** to any Transmit Ports on any cards of the Upper Card Cage. Connect cable **L2** to any Receive Port on any card of the Lower 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.

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

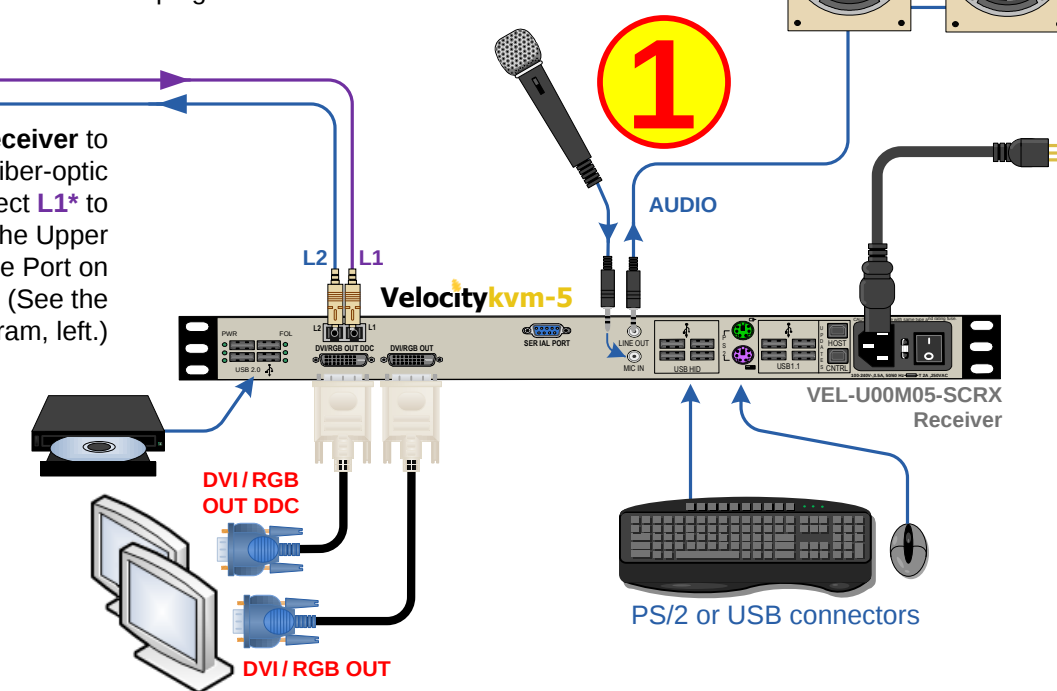
Linux Operating System



Single Head DVI/RGB & KVM Destinations

STEP 1: 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.

STEP 2: 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 any Receive Port on any card of the Lower Card Cage. (See the Digital Crosspoint Switch detail diagram, left.)



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