QUICK-START GUIDE

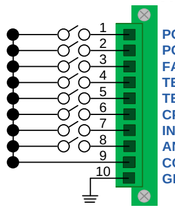
As used with *Thinklogical's*™ Velocitykvm-4 and the Velocitykvm-24 Video Extension Systems

router VX40

KVM Matrix Switch

Powered by MRTS Technology

The VX40 Router Critical Hardware Alarms: (Located at the top, left rear of the unit.)

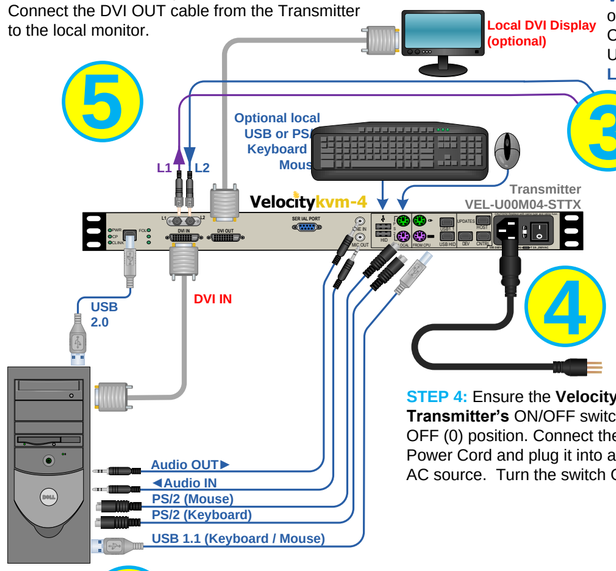


1. **POWER SUPPLY 1 (LEFT):** *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption* and *module removed*
2. **POWER SUPPLY 2 (RIGHT):** *Fan failure, temperature spikes, DC voltage and/or current out of range, AC power input interruption* and *module removed*
3. **FANS:** *Individual fan monitoring*
4. **TEMPERATURE WARNING:** *Chassis over temperature, multiple sensors*
5. **TEMPERATURE SHUTDOWN:** *Chassis over temperature causing shutdown*
6. **CPU:** *Card failure (Only with a redundant card)*
7. **INPUT/OUTPUT CARDS:** *SFP+ failure, laser output fault*
8. **ANY OF THE ABOVE**
9. **COMMON**
10. **GROUND**

Single-Head, Single-Link DVI/KVM Source

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

STEP 3: Connect your **VelocityDVI Transmitter** to the **VX40** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any Upstream Receive Port and cable **L2** to the same numbered Upstream Transmit Port as shown.(See the *Digital Crosspoint Switch* detail diagram, below.)



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.

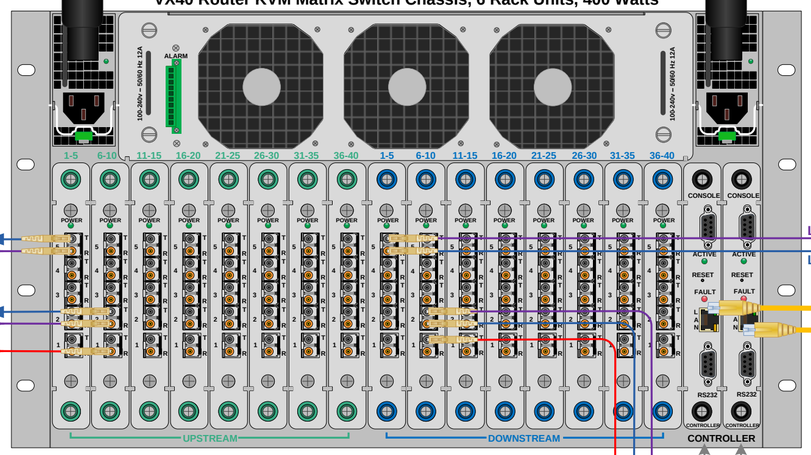
STEP 6: Connect your KMASS devices from the Source CPU to the appropriate **VelocityKVM Transmitter** ports.

STEP 8: (Final step) Connect both supplied AC Power Cords (PWR-0000006-R) to the receptacles located on the **VX40**'s power supplies. Plug each one into a standard AC source. Verify that all system functions are operating properly.

Thinklogical's™ **VX40 KVM Matrix Switch** features redundant Power Supplies and Controller Modules for uninterrupted performance, even during system reconfiguration, updates or debug. The **VX40** 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 (Primary) must be used.**

VX40 Router KVM Matrix Switch Chassis, 6 Rack Units, 400 Watts

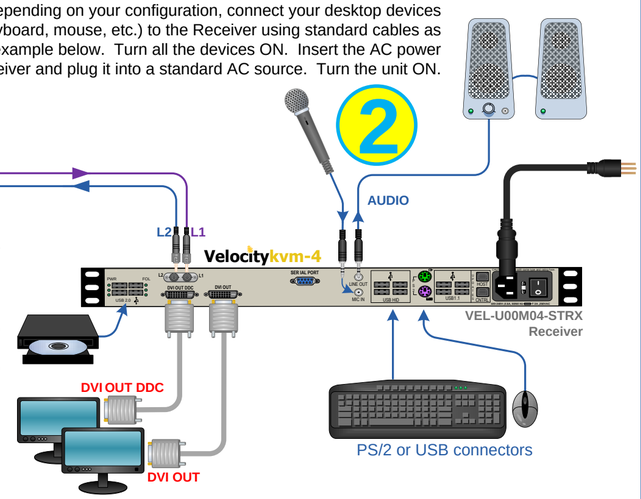


*Primary Controller Card
Optional Secondary Controller Card

Single-Head, Single-Link DVI/KVM Destinations

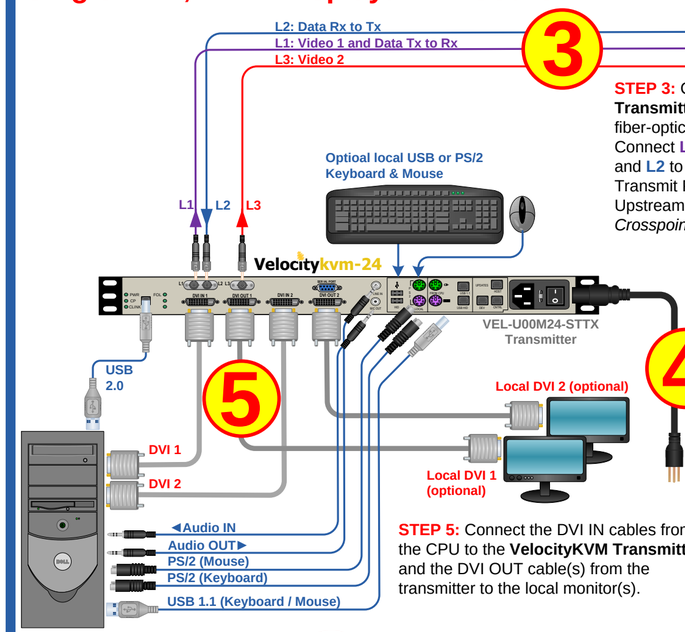
STEP 2: Ensure that the **VelocityKVM Receiver's** ON/OFF switch is in the OFF (0) position. Depending on your configuration, connect your desktop devices (monitors, keyboard, mouse, etc.) to the Receiver using standard cables as shown in the example below. Turn all the devices ON. Insert the AC power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

STEP 1: Connect your **VelocityKVM Receiver** to the **VX40** 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 as shown. (See the *Digital Crosspoint Switch* detail diagram, below.)



Single-Link, DVI 2 Display/KVM Source

STEP 3: Connect your **VelocityKVM Transmitter** to the **VX40** using multi-mode fiber-optic cables (up to 1000 meters). Connect **L1** to any Upstream Receive Port and **L2** to the same numbered Upstream Transmit Port. Connect **L3** to any other Upstream Receive Port. (See the *Digital Crosspoint Switch* detail diagram, right.)



STEP 4: 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. Turn the switch ON (1).

STEP 5: 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).

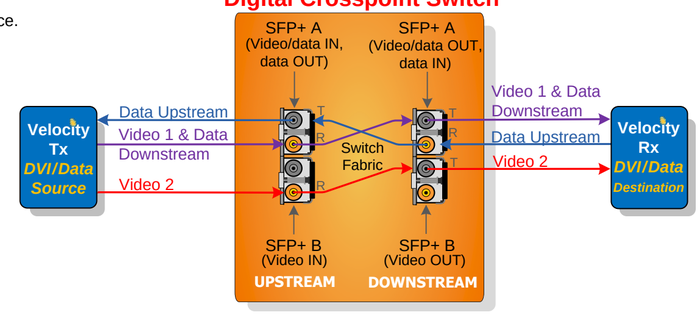
STEP 6: Connect your USB, PS/2 and Audio sources to the **VelocityKVM Transmitter's** inputs.

Network Hub

External Control CPU

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

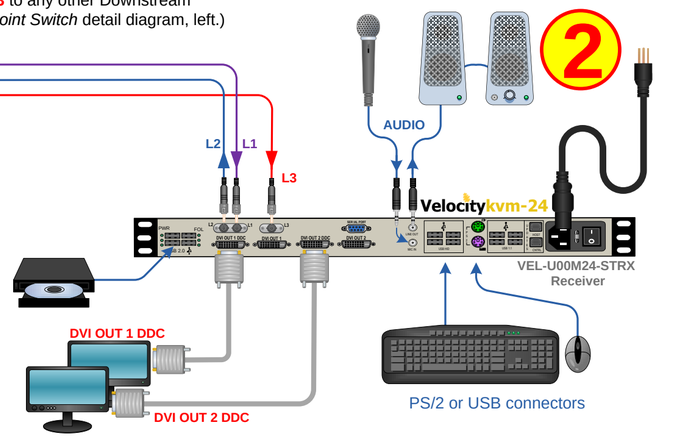
Digital Crosspoint Switch



Single-Link, DVI 2 Display/KVM Destinations

STEP 1: Connect your **VelocityKVM Receiver** to the **VX40** 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, left.)

STEP 2: 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.



thinklogical™

PHONE: 1-800-291-3211
WEBSITE: www.thinklogical.com
EMAIL: support@thinklogical.com

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VX40_VEL-4_VEL-24_Quick_Start_Rev_C

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