Check out our Installation Channel:

www.kvm-tec.com

6801 SET Masterline
MVX1-F in Fiber
6801L CPU/LOCAL
6801R CON/REMOTE

6802 SET Masterline
DUAL MVX2-F in Fiber
6802L CPU/LOCAL
6802R CON/REMOTE

www.kvm-tec.com

Let's connect!

KVM can be so simple
MASTERLINE MVX
smart connection

1. First check your delivery content MVX1-F....

Delivery content

LOCAL/CPU Unit MVX1-F
1 x MVX1-F local (CPU)
1 x wall power supply unit l 12V 2A (EU-plug or INT. plug)
1 x DVI – DVI cable 1,8m/5.9ft
1 x USB cable 1, 8m/5.9 ft.
1 x VGA - DVI cable 1, 8m/5.9 ft. (opt)
2 x Audio cable 1, 8m/5.9 ft. (opt)
1 x SFP Module-Multimode up to 500m/1640 ft.
alternativ with Single-Mode up to 20km/12mi- ItemNr6831
4 x rubber feet

REMOTE/CON Unit
1 x MVX1-F remote (CON)
1 x wall power supply unit 12V 2A (EU-plug or INT. plug)
4 x rubber feet
1 x SFP Module Multimode up to 500m/1640 ft.
alternativ with Single-Mode up to 20km/12mi ItemNr6831

2. Are your upgrades for MASTERLINE unlocked
to unlock upgrades, please send an email or give us a call. Please have your ID code ready.( you finde your ID in the OSD menu by pressing the button “M“ - Device ID You’ll get a code from our support team.
Please, enter the code.

possible upgrades for MASTERLINE MVX1-F

USB Memory
Analog VGA- transmitted as DVI (included in US)
Sound analog in both directions as CD quality
Matrix Switching System up to 48 endpoints ( included in US )

3. Than check your installation....

Quick Installation MVX1-F FIBER MASTERLINE local / CPU – remote/ CON

1. Connect the CON / Remote and the CPU / Local Unit to the included 12V 2A power supply.
2. Now connect the USB cable to a USB port on your PC and connect the other end of the USB cable to the CPU / Local Unit. Connect keyboard and mouse to the CON / Remote Unit.
3. Connect the CPU / Local and the CON / Remote Unit with a fiber cable.
4. Now connect the DVI cable to the DVI socket of the PC and the other end to the DVI socket of the CPU / Local Unit (DVI-in). Then connect the monitor to the CON / Remote Unit with a DVI cable.
5. Then connect PC audio out with the audio cable to Local Audio in. Then connect audio / out via the audio cable
6. Almost done! Now connect the audio cable Local Audio / out to the PC Audio in and Remote Audio / out with the audio cable to the microphone

HAVE FUN - your kvm-tec Extender is now in use for many years ( MTBF approx 10 years)
1. **First check your delivery content MVX2-F....**

**Delivery content**
- 1 x MVX2-F local (CPU)
- 1 x Steckernetzteil 12V 2A (EU-plug)
- 2 x DVI - HDMI Kabel 1,8m
- 1 x USB Kabel 1,8m
- 2 x VGA - DVI Kabel 1,8m
- 2 x Audio Kabel 1,8m (opt)
- 2 x SFP Modul-Multimode bis 500m
  (alternativ Single-Mode bis 20km/ ItemNr 6835)
- 4 x Gerätefüße

**REMOTE/CON Unit**
- 1 x MVX2-F remote (CON)
- 1 x Steckernetzteil 12V 2A (EU-plug)
- 2 x SFP Modul Multimode bis 500m
  (alternativ Single-Mode bis 20km/ ItemNr 6835)
- 4 x Gerätefüße

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2. **Are your upgrades for MASTERLINE unlocked**

To unlock upgrades, please send an email or give us a call. Please have your ID code ready (you find your ID in the OSD menu by pressing the button „M“ - Device ID. You’ll get a code from our support team. Please, enter the code.

**possible upgrades for MASTERLINE MVX2-F**

**USB Memory**
- Analog VGA- transmitted as DVI (included in US)
- Sound analog in both directions as CD quality
- Matrix Switching System up to 48 endpoints (included in US)

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3. **Than check your installation....**

**Quick Installation MVX2 FIBER Masterline**

1. Connect the CON / Remote and the CPU / Local Unit with the included 12V 2A power supply.
2. Now connect the USB cable to a USB port on your PC and connect the other end of the USB cable to the CPU / Local Unit. Connect keyboard and mouse to the CON / Remote Unit.
3. Connect the CPU / Local and the CON / Remote Unit with two fiber cables.
4. Now connect the DVI cable to the DVI socket of the PC and the other end to the DVI socket of the CPU / Local Unit (DVI-in). Then connect the monitor to the CON / Remote Unit with a DVI cable.
5. Then connect PC audio out with the audio cable to Local Audio in. Then connect audio / out via the audio cable.
6. Almost done! Now connect the audio cable Local Audio / out to the PC Audio in and Remote Audio / out with the audio cable to the microphone.

**VIEL SPASS - Ihr kvm-tec Extender ist nun für viele Jahre (MTBF ca 10 Jahre) für Sie im Einsatz!**
4. Check the LEDs to get more information....

<table>
<thead>
<tr>
<th>Error</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED is not lighting</td>
<td>The devices get no power</td>
<td>Is the power supply connected? (white box)</td>
</tr>
</tbody>
</table>
| LED is lighting in red | No connection between Loc and Rem | Check if the RJ45/network cable is connected well. (Clicking noise when plugging in)  
Check both, if it does not work please send an e-mail to support@kvm-tec.com |
| LED is lighting in orange | No picture on the monitor | Check if the local/CPU (PC) cable is connected well.  
Check if the remote/CON (monitor) cable is connected well.  
If everything is connected well but no function appears, reconnect power supply again.  
If the menu is visible, press the O key and choose the resolution of the monitor. Then press the assigned number on your keyboard. |
| LED is lighting green | Screen occurs but the keyboard is not working | Plug out/in USB of keyboard and wait until driver is installed (after few seconds).  
Check all USB connections on both sides (Local and Remote)  
If it is still not working, plug out/in DC once more |
| LED is lighting green | No audio | Establish audio connection:  
plug stereo-jack to the audio output of the PC (green) connection with local: IN  
remote: headset OUT  
Establish microphone connection:  
plug stereo-jack to the microphone input of the PC (pink) connection with local OUT |
| LED is lighting green | The screen flickers, has an incorrect display | Install current firmware from our homepage www.kvm-tec.com/support/firmware-download |
| LED is blinking green | Different firmware or USB is not compatible | e-mail to support@kvm-tec.com |
| LED are lighting differently | Different firmware | To enter on screen menu/check firmware version:  
To enter the On screen menu, press the Scroll Lock key five times in quick succession. The currently installed firmware version is displayed below the menu  
If firmware update does not work, please send an e-mail to support@kvm-tec.com |
5. Your Extender....

- **No Power (No LED)**
  - Check the powerplug
  - Is the power supply ok? Try another Unit.
  - Try reprogramming the Unit by using a JTAG programmer
  - Contact kvm-tec support

- **USB is not working**
  - Are the USB Devices plugged in correctly?
  - Is the USB cable on the Local side plugged into the PC?
  - Are the USB Devices working directly on the PC?
  - Replace the USB cable from PC to the Local Extender
  - Check if local and remote Unit have the same firmware
  - Check if the local or the remote Unit is causing the problem by swaping first the local and than the remote Unit to another Unit
  - Contact kvm-tec support

- **No Video**
  - Check if all cables are plugged in correctly
  - Check if the PC is sending a Image by plugging in a monitor on the local out of the local Unit
  - Check if the DDC is set correctly (in menu under point „O“)
  - Check if both Units have the correct firmware
  - Contact kvm-tec support

- **Video error (stripes in the picture)**
  - Check if all cables are plugged in correctly
  - Check if the PC is sending a Image by plugging in a monitor on the local out of the local Unit
  - Check if the DDC is set correctly (in the menu under point „o“)
  - Check if local and remote Unit have the correct firmware
  - Check if the network switch is setup correctly and has enough bandwidth
  - Check if other units have the same behaviour
  - Contact kvm-tec support

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**We are here for you to answer your questions about installation?**

Manual download [www.kvm-tec.com](http://www.kvm-tec.com)

or

kvm-tec Installationchannel on our homepage

personally +43 2253 81912 - 30

**support@kvm-tec.com**

Phone: +43 2253 81912 - 30
6. Check the firmware version ....

To view the firmware version
Make sure the main menu is open. The currently installed firmware version of the remote and local units are displayed (e.g. ‘4267’) and check that you have the same firmware on both units.

Ways to update the firmware version ....
There are four ways to perform an update:

1. update via a bitmap image
2. automatic update
3. network update

how to update the firmware version ....
To perform a firmware update:
1. Make sure the main menu is open.
2. Press the N key to do a network update.
3. Press the A key to do an automatic update.
4. Press the U key to do a direct update.
5. Press the S key to do a USB Update.

Update service with kvm-tec Switching Manager....
For all our devices of the SVX and MVX series we deliver a free demo version of the kvm-tec Switching Manager Software (Item No. 4004) for a comfortable update of all units in the switching system. For our devices of the MX and UVX series the Switching Manager is included.

This is a comfortable update management for your switching system.

You can update all extenders at the same time. The update is performed in the background and in a second step the units are rebooting with the new firmware.

Only a short time is needed for the second step.

ATTENTION! Only when the bar is grey, the update is finished.
First Aid

MASTERLINE MVX
smart connection

1. Checklist ....

- identify your extender
- first check your delivery content
- are all needed upgrades are unlocked
- all cables are connected and all units are switched on
- check the LED status
- Video - check if the DDC is set correctly (in menu under point „O“)
- USB - are all cables connected
- in case of issues check the firmware version (download for the newest firmware kvm-tec.com/support)

if everything is working fine - perfect

Tipps from our engineers for engineers

- reduce the setting of your system and set up only one local and one remote at the same place
- connect the monitor directly to the PC - does the monitor display an image? (follow the mentioned steps from above)
- LED status is red or blinking - this can be a cable problem - try to get a short patchcable and to connect the units and be sure that it`s not a cross-over cable
- USB problems with mouse and keyboard - please try a different type of mouse and keyboard

Further expert tipps for issues

- Adapter - our units are transmitting DVI signals. If you are using adapters try a PC with DVI signal
- PC - please try another machine
- If you have more sets please make a cross check and change of the units

Further steps

Please, fill out the support form and contact our support team +43 2253 81912 - 30
Support - request

If the shoe pinches, then we are there for you!

Contact Information

Company
Contact person
email
phone number
customer from

device type

Fiber copper
single dual

Switching Manager

Firmware & Upgrade

Firmware Nr.:
Memory Option
RS232 VGA Sound Switching

Other connected devices

(Switches, HUBs, Touchscreens, Webcams,.....)

Problem description

Almost done! If you want to be even faster on the phone, the following data would be helpful:

No power Stripy screen
No Link No Video
VGA problem No USB
No connection Mouse/ Keyboard doesn’t work
DOA (dead on arrival)

LED Status local/CPU
red green
orange

glowing
flashing

LED Status remote/CON
red green
orange

glowing
flashing

Resolution:
Fix

Please send the form to support@kvm-tec.com.

Thank you very much! As soon as we have received your mail, it will be tracked in our system as a support case and we will contact you immediately!

kvm-tec electronic gmbh
Gewerbepark Mitterfeld 1A, 2523 Tattendorf, Austria
+43 2253 81912-30 - support@kvm-tec.com
If the shoe pinches, then we are there for you!

Contact Information
- Company
- Contact person
- Email
- Phone number
- Customer from

Product
- Copper
- Fiber
- Single
- Dual

SWITCHING MANAGER

Other connected devices (Switches, HUBs, Touchscreens, Webcams,.....)

Problem description

Almost done! If you want to be even faster on the phone, the following data would be helpful:

- No power
- No Link
- VGA problem
- No connection
- DOA (dead on arrival)
- Stripy screen
- No Video
- No USB
- Mouse/Keyboard doesn’t work

LED Status local/CPU
- Red
- Orange
- Green
- Glowing
- Flashing

LED Status remote/CON
- Red
- Orange
- Green
- Glowing
- Flashing

Resolution:
- Fix

Please send your RMA to Heidi Brosig  
email: heidi@kvm-tec.com

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