**kvm-tec First Aid MASTERflex**

- **No Power (No LED)**
  - Check the powerplug
  - Is the power supply ok? Try another Unit.
  - Contact kvm-tec support

- **USB is not working**
  - Are the USB Devices plugged in correctly?
  - 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 both Units have the correct firmware
  - 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 local or the remote Unit is causing the problem by swapping first the local and than the remote Unit to another Unit
  - 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 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

**Check out our Installation Channel:**
www.kvm-tec.com

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

**kvm-tec Support**

**6012 SET**
MASTERflex MV1 SINGLE REDUNDANT IN COPPER
KT - 6012L CPU/LOCAL
KT - 6012R CON/REMOTE

**Full HD over IP**

**kvm-tec Quick Installation**
Delivery Content

LOCAL/CPU Unit
1 x MA1 local (CPU)
1 x wall power supply 12V 1A (INT or EU-plug)
2 x DVI - DVI cable 1,8m/5.9ft
1 x USB cable 1,8m/5.9ft
4 x rubber feet

REMOTE/CON Unit
1 x MA1 remote (CON)
1 x wall power supply 12V 1A (INT or EU-plug)
4 x rubber feet

Network cable CAT5e/6/7 up to 150m/492ft main link
Network cable CAT5e/6/7 up to 150m/492ft (redundant)

Power plug 12V 1A
Power plug 12V 1A (redundant)

USB to PC
Audio from PC
DVI in from PC
USB from PC
Audio to PC
DVI to Monitor
Audio to speaker
Power plug 12V 1A
Power plug 12V 1A (redundant)
Audio from microphone
USB from Keyboard and mouse

LOCAL/CPU Unit
1 x MA1 local (CPU)
1 x wall power supply 12V 1A (INT or EU-plug)
2 x DVI - DVI cable 1,8m/5.9ft
1 x USB cable 1,8m/5.9ft
4 x rubber feet

REMOTE/CON Unit
1 x MA1 remote (CON)
1 x wall power supply 12V 1A (INT or EU-plug)
4 x rubber feet

Network cable CAT5e/6/7 up to 150m/492ft main link
Network cable CAT5e/6/7 up to 150m/492ft (redundant)

Power plug 12V 1A
Power plug 12V 1A (redundant)

USB to PC
Audio from PC
DVI in from PC
USB from PC
Audio to PC
DVI to Monitor
Audio to speaker
Power plug 12V 1A
Power plug 12V 1A (redundant)
Audio from microphone
USB from Keyboard and mouse
Quick Installation Masterflex Single  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 network 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 (PC-in).
5. Opt: Connect PC audio/out with the audio cable to local audio/in. Connect audio/out via the audio cable
6. Almost done! Opt: Connect the audio cable local audio/out to the PC audio/in and remote audio/out with audio cable to the microphone
7. Using a switch: Connect all endpoints to the switch. Ensure that all connections have a bandwith of 1Gbit/sec. For video sharing the network has to support IGMP snooping.

HAVE FUN - your kvm-tec Extender is now in use for many years (MTBF approx 10 years)
USING THE ON SCREEN MENU

Use the monitor and keyboard to use the main menu.

To access the main menu:
1. Make sure the extenders, the monitors and the computer are switched on.
2. Press the ALT+GR key on your keyboard quickly five times.
   The main menu appears with an overview of the sub-menus.
3. To open a sub-menu press the applicable key.

### Main Menu

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**SYSTEM STATUS**

- **Single**
  - Status Overview Menu
  - Firmware Updates
  - Features Overview
  - DDC Option
  - Local Settings
  - Remote Settings
  - Update
  - About

- **Dual**
  - Status Overview Menu
  - Firmware Updates
  - Features Overview
  - DDC Option
  - Local Settings
  - Remote Settings
  - Update
  - About

---

In the status overview menu the current status of the extender connection is displayed. It provides information on the connection itself as well as resolution of the video channel, and USB-status.

The enabled options and the current firmware-version is displayed in the left top corner.

Link status shows whether there is a physical connection available. Connected indicates if KVM data is currently able to be transmitted.

Video and USB show if data is currently being transmitted.
VIEWING THE FIRMWARE VERSION

Under „A“ - About the currently installed firmware version of the remote (CON) and local (CPU) Extender is displayed.

FEATURES MENÜ

Features Menu

- P Point to Point Mode: Enabled/Disabled
  (Point to Point mode excludes itself with Matrix mode)
- M Matrix Switching Mode: Disabled/Enabled
- D Freeze last Image: (Disabled) Disabled/Enabled
- E USB Emulation Mode: (Disabled) Disabled/Enabled
- S USB Save Feature: (mass storage usable) Disabled/Enabled
- O Power Redundance Alert: Alert System
- C Diagnosis: Diagnosis menu
- U Unlock Features: Unlock Features
- I IP Management: IP Management
- L Link Redundance Alert: Redundanter Link

POINT TO POINT

You can switch the Point to Point mode on and off by pressing the „P“ key

ATTENTION - if the point to point mode is activated, the switching mode cannot be activated

MATRIX SWITCHING MODE

By pressing the „M“ button you can switch the Matrix Switching Mode off and on