



TECHly IDATA HDMI-401MV 4X1 USB KVM Multi Viewer Switch User Manual

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TECHly IDATA HDMI-401MV 4X1 USB KVM Multi-Viewer Switch



INTRODUCTION

- The KVM switcher allows 4 PCs with HDMI ports to share one display and one keyboard&mouse, allowing the display to switch seamlessly between 4 PCs.
- In addition, it supports the unique 4IN1 Multi-Viewer mode, which allows you to operate 4 PCs with a keyboard&mouse on the same screen without switching.
- It provides 2 additional USB 2.0 sharing ports, allow 4 PCs to share one printer or other USB2.0 device.
- It supports resolutions of up to 1080p@60Hz. Also, it is fully compatible with a wide variety of Windows and Mac OS operating systems.
- The product can be controlled by various ways, through the mouse button, keyboard Hot key, front panel button, IR control, etc.

FEATURES

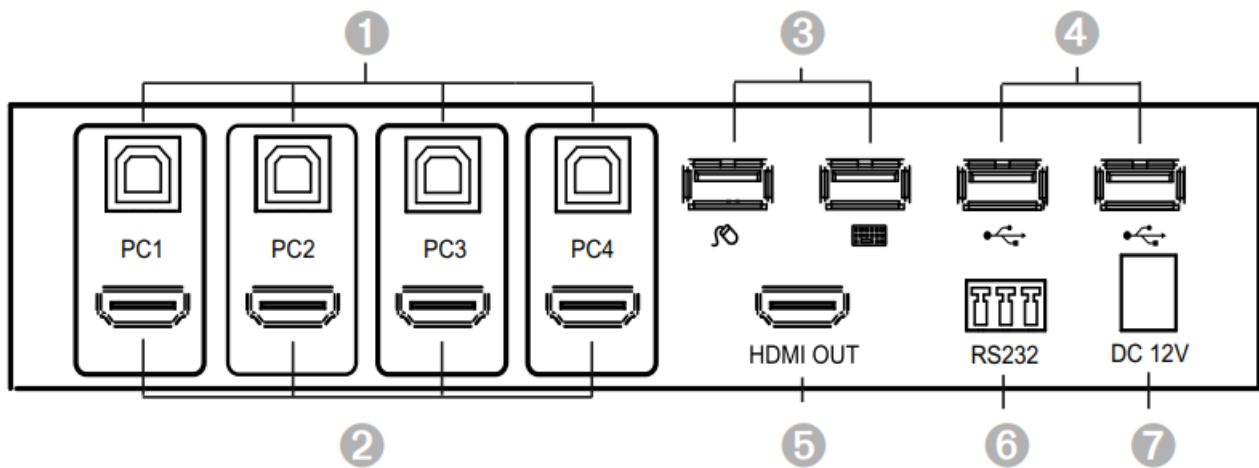
- Compliant with HDMI 1.3a, HDCP 1.2
- Supports multiplexed HDMI 4-input and 1-output
- Supports up to 1080p@60Hz High Definition resolution
- Support 4 by 1 Quad Multi-viewer and seamless switch (with same resolution)
- Support seamless switch
- Supports the unique 4IN1 Multi-Viewer mode, which allows you to operate 4 PCs with a keyboard&mouse on the same screen without switching
- Support mouse button, keyboard hotkeys, front panel button, IR control
- Support multi-output resolution

PACKAGE CONTENTS

- 1x Main Unit
- 1x 12V/DC, 2A Power Supply
- 1x User Manual
- 1x Remote Control
- 2x L shape stand feet
- 1x Phoenix plugs for RS232 cable termination
- 6x Screw

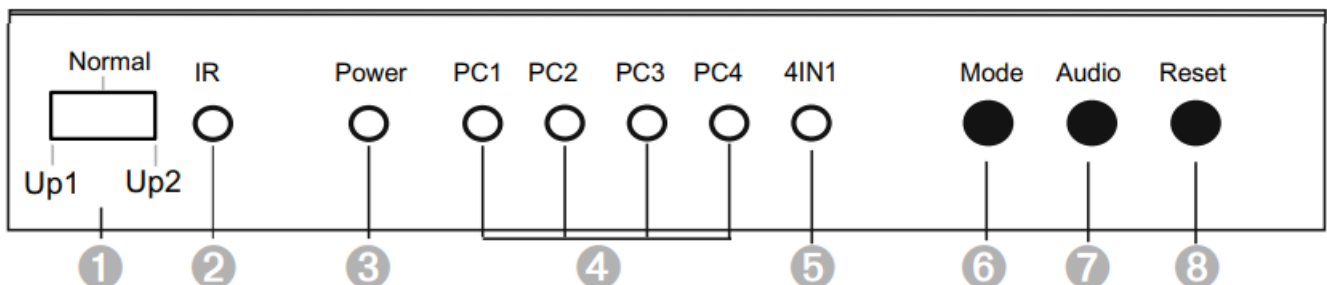
PRODUCT OVERVIEW

Front panel



1. Connect to USB ports of 4 PCs respectively
2. Connect to HDMI ports of 4 PCs respectively
3. Connect the keyboard&mouse
4. Provides 2x additional USB 2.0 sharing ports, connect the USB 2.0 devices (such as U-Disk, Printer..)
5. HDMI OUTPUT: The HDMI is where you connect the HDTV or monitor with HDMI cable for input source display
6. **RS232**: Upgrade data
7. **DC 12V**: Plug the 12V DC power supply into the unit and connect the adaptor to AC wall outlet

Back panel

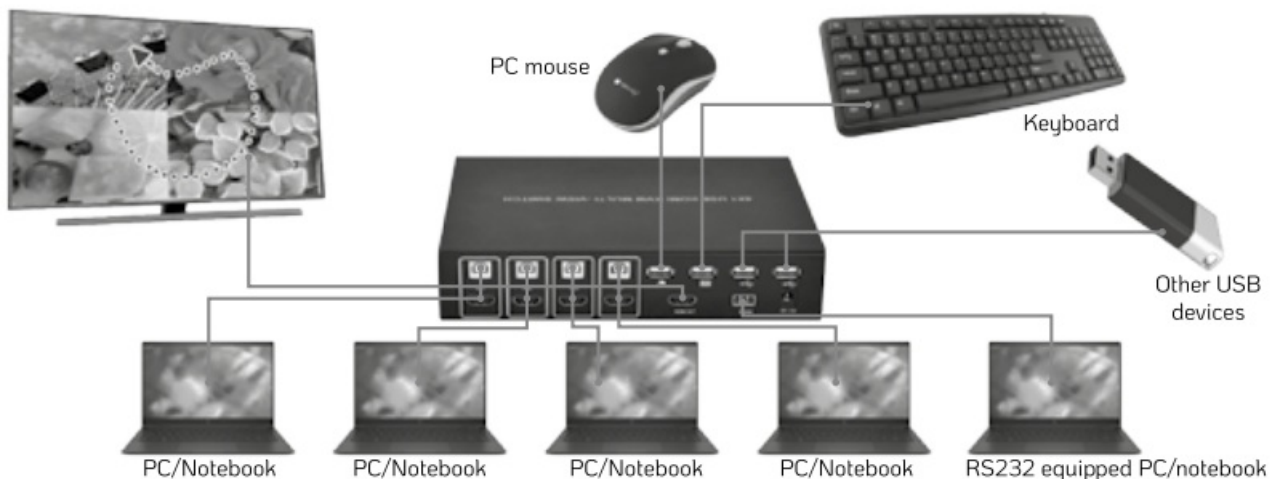


1. Updata function select switch
Normal: this is where you must dial for normal use
Up_1: Upgrade data for MCU_1 via RS232
Up_2: Upgrade data for MCU_2 via RS232
2. **IR**: Remote control receiver window
3. **POWER LED**: This blue LED illuminates when the device is connected with power supply
4. **Input Mode LED**: Indicate which input mode is selected
5. **4IN1 Mode LED**: indicate which 4IN1 mode is selected
6. **Mode button**: press this button to select the input mode
7. **Audio button**: at the 4IN1 mode, press the button to select the audio from the input sources
8. **Reset button**: press this button to reset the KVM switcher

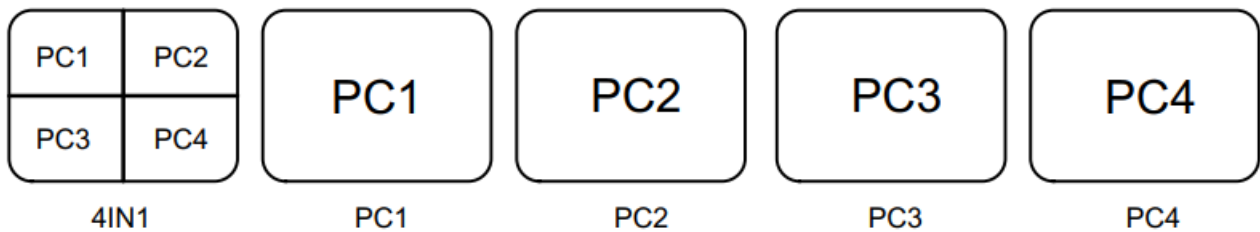
CONNECTION AND OPERATION

1. Use 4 HDMI cables were used to connect the HDMI input interfaces of the product to the HDMI output port on the 4 PCs respectively, and 4 USB cables were used to connect the USB input interfaces on the product to the USB port on the 4 PCs respectively
2. Connect the HDMI output of the HDMI Switcher to a high-definition display device via HDMI Cable
3. Connect the keyboard, mouse and USB2.0 device to the corresponding interface of the KVM switcher
4. The Switcher is powered by an external power supply which is included. Connect power first to the source
5. Select the computer screen you want to operate by mouse button, keyboard hot keys, front panel button, IR control

CONNECTION DIAGRAM



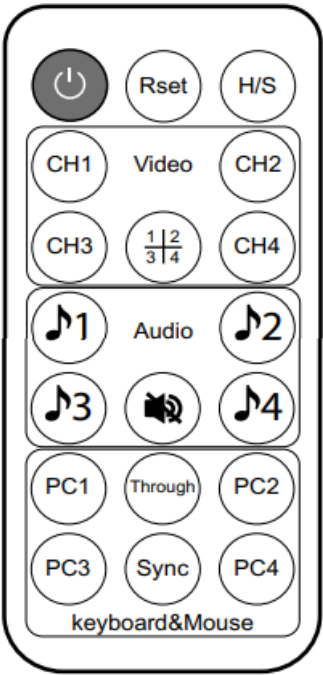
DETAIL DESCRIPTION OF DISPLAY MODE



The product provides 5 Screen Modes as below Mode1 ~ 5.

- **4IN1:** The 4 PCs are displayed in 2x2 on one screen, you can operate 4 PCS without switching
- **PC1:** PC1 full-screen mode, you can operate PC1 only
- **PC2:** PC2 full-screen mode, you can operate PC2 only
- **PC3:** PC3 full-screen mode, you can operate PC3 only
- **PC4:** PC4 full-screen mode, you can operate PC4 only

REMOTE CONTROL



- **ON/OFF:** Power on/off switch.
- **Reset button:** Reset the KVM Switcher
- **H/S Resolution button:** upscale 720P signal into 1080P or downscale 1080P signal into 720P
- **Mode select button (Ch1-Ch4,):** Press these buttons, the quad multi-viewer will select the corresponding mode, see the detailed description of the display mode
- **Audio Select button (♫1- ♫4):** Press these buttons to select the audio from the input sources at the 4IN1 mode
- **Mute button:** Turn off sound
- **Keyboard&mouse mode select button (PC1-PC4)** press these buttons to select the PC you want to operate at the 4IN1 mode, at this point, the keyboard&mouse can only operate the selected PC
- **Through&Sync button:** into through or sync mode

HOTKEY

Follow the hotkey command listed below for selected operating functions

Command	Function
Mouse HOTKEY	
[wheel key]+[wheel key]	1. At 4IN1 mode, switch to full screen mode 2. At full screen mode, switch to 4IN1 mode
Keyboard HOTKEY	

[*]+[1]	Switch to PC1
[*]+[2]	Switch to PC2
[*]+[3]	Switch to PC3
[*]+[4]	Switch to PC4
[*]+[5]	Switch to 4IN1 Mode
[*]+[0]	At 4IN1 Mode, Keyboard&Mouse switch to Sync Mode
[*]+[S]	At 4IN1 Mode, Keyboard&Mouse switch to Through Mode
[*]+[F1]	At 4IN1 Mode, Keyboard&Mouse and USB2.0 switch to PC1
[*]+[F2]	At 4IN1 Mode, Keyboard&Mouse and USB2.0 switch to PC2
[*]+[F3]	At 4IN1 Mode, Keyboard&Mouse and USB2.0 switch to PC3
[*]+[F4]	At 4IN1 Mode, Keyboard&Mouse and USB2.0 switch to PC4
[*]+[Page Up]	At 4IN1 Mode, switch the audio from the input sources
[*]+[Page Down]	Switch to next PC

THROUGH MODE & SYNC MODE

- There are 2 modes for Keyboard&mouse at the 4IN1 mode
- **Through Mode:** In this mode, the Mouse can move unordered across the screen of 4 PCS. You can operate any PC at will. The Keyboard and USB2.0 device will be switched to the PC where the mouse stays
- **Sync Mode:** In this mode, The keyboard&mouse can synchronously operate 4 PCs, and USB2.0 devices will stay on the PC of your last select



SPECIFICATION

Signal Inputs/Output	
Maximum Single Link Range	1920X1080@60
HDMI Input/Output Connector	Type A 19 pin
Operating Frequency	
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	2.25Gbps
Resolutions	
Input Resolution	480i60Hz,480p60Hz,576i50Hz,576p50Hz, 720p50/60Hz, 1080i50/60Hz, 1080p24/25/30/50/60Hz
Output Resolution	720p,1080p
Mechanical Data	
Chassis Material	Metal
Color	Black
Warranty	
Limited Warranty	1 Year Parts and Labor
Environmental	
Operating Temperature	0°C to +70°C
Operating Humidity	10% to 85% RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90% RH (no condensation)
Power Requirement	
External Power Supply	12V DC@2A
Power Consumption(max)	24 W
Regulatory Approvals	
Main Unit	FCC, CE
Power Supply	UL, CE, FCC, REACH, ROHS

SAFETY INFORMATION

Intended use

- We do not permit using the device in other ways as described in this user's manual. Use the product only in dry interior rooms. Not attending to these regulations and safety instructions might cause fatal accidents, injuries, and damages to persons and property. The manufacturer/supplier assumes no liability for damages caused by

failure to comply with the intended use.

- To reduce the risk of electric shock, this product should ONLY be opened by an authorized technician when service is required. Disconnect the product from mains and other equipment if a problem should occur. Do not expose the product to water or moisture
- our product is not a toy and is not meant for children, because it contains small parts which can be swallowed and can injure when used inappropriately!
- Please install the system and devices attached to it in a way that persons cannot be injured, or objects not be damaged for example by dropping or stumbling.
- Please remove the packing materials, because children may cut themselves on them while playing. Furthermore, there is a risk of swallowing and inhalation of incidentals and insulating material.
- Avoid places with high temperatures, or humidity, or places that might come into contact with water. Do not install the product close to openings of air conditioners, or at places with an excessive amount of dust or smoke.
- Do not install the product at places subject to vibration, or oscillation
- Do not modify and alter the product and any accessories! Do not use any damaged parts.
- Keep enough space around all devices for good ventilation and free motion and to avoid damage.

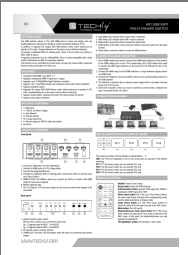
MAINTENANCE

Clean only with a dry cloth. Do not use cleaning solvents or abrasives.

WARRANTY

- No guarantee or liability can be accepted for any changes and modifications of the product or damage caused due to incorrect use of this product.
- In compliance with EU Directive WEEE this product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collections system for these products in compliance with WEEE directive, otherwise contaminative and hazardous substances can pollute the environment.
- With the CE sign, Techly® ensures that the product is conformed to the basic European standards and directives
- www.TECHLY.COM

Documents / Resources

	<p>TECHly IDATA HDMI-401MV 4X1 USB KVM Multi Viewer Switch [pdf] User Manual IDATA HDMI-401MV, 4X1 USB KVM Multi Viewer Switch, IDATA HDMI-401MV 4X1 USB KVM Multi Viewer Switch, USB KVM Multi Viewer Switch, KVM Multi Viewer Switch, Multi Viewer Switch, Switch</p>
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References

-  [TV Brackets, Audio Video HDMI, Networking | TECHLY](#)

