

## HDMI KVM SWITCH

### HDMI KVM Switch 4X1 (4K60Hz)



Where every Moment comes Alive

**ER2830**

**HDMI**<sup>®</sup>  
HIGH-DEFINITION MULTIMEDIA INTERFACE

## Introduction:

The EIRA 4x1 HDMI KVM Switch is a versatile device that allows up to four PCs or HDMI compatible sources to connect to a single display terminal. Switching between sources is seamless and can be done using a remote control, buttons on the unit, or a keyboard. Supporting all HD formats, including 720p, 1080i, 1080p, 4K/30Hz, and 4K/60Hz, this switcher delivers exceptional video quality. It also supports multichannel audio, ensuring a high-quality audio-visual experience. Ideal for use in offices, meeting rooms, and classrooms, this HDMI switch simplifies the management of multiple HDMI sources, making it a practical solution for various professional and educational settings.

## Features:

- Supports **4 HDMI inputs** and **1 HDMI output**
- Supports **3D video playback**
- Maximum video resolution: **4K/60Hz**
- Supports **18Gbps data rate** with TMDS clock up to **600MHz**
- Compatible with **24/30/36-bit deep color**
- Automatically switches HDMI input ports (last port has priority)
- Supports **USB 2.0**
- Provides **4 USB hosts** (PC) and **2 USB devices** (mouse/keyboard/U disk)
- Compatible with **wireless mouse and keyboard**
- Supports multiple operating systems: **Windows, Linux, Mac OS, and Android**
- **Plug-and-play**, no need for additional drivers or installation

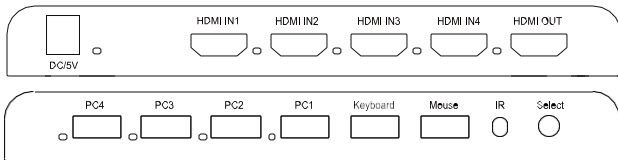
## Application diagram:



## Specifications:

- **USB Version:** Compatible with USB 2.0 Full/Low speed
- **HDMI Resolution:** 4K/60Hz
- **USB Data Rates:** Low speed: 1.5 Mb/s; Full speed: 12 Mb/s; High speed: 480 Mb/s
- **Supported Video Format:** 3D
- **Supported Video Color Format:** 24/30/36-bit deep color
- **Supported Audio Format:** DTS-HD, Dolby-TrueHD, DTS, Dolby-AC3, DSD
- **Maximum Bandwidth:** 600MHz
- **Maximum Baud Rate:** 6x3 Gbps
- **Input Cable Distance:** ≤ 5m with AWG26 HDMI standard cable (4K/60Hz)
- **Output Cable Distance:** ≤ 5m with AWG26 HDMI standard cable (4K/60Hz)
- **USB Cable Length:** Standard USB 2.0 cable ≤ 2m
- **Power Adapter Format:**
  - Input: AC (50Hz/60Hz) 100V-240V
  - Output: DC 5V/1A
- **Maximum Working Current:** 500mA
- **Operating Temperature Range:** -10°C to +55°C
- **Dimensions (L x W x H):** 177 x 58 x 20 mm
- **Weight:** 210 g

## Operating and Connecting :



# Instructions for Connecting and Operating the 4x1 HDMI Switch

## 1. Connect HDMI Source Devices:

- Use four HDMI cables to connect the HDMI source devices to the HDMI switch's input ports (HDMI IN1 to HDMI IN4).

## 2. Connect Display Device:

- Use one HDMI cable to connect the display device to the HDMI switch's output port.

## 3. Connect PC Signal Sources:

- Use four USB 2.0 cables to connect the PC signal sources (from USB ports on the PCs) to the corresponding 'PC1' to 'PC4' ports on the HDMI switch.

## 4. Connect USB Mouse/Keyboard:

- Connect a wired or wireless USB mouse/keyboard to the designated "Keyboard/ Mouse" port on the switch.

## 5. Power the HDMI Switch:

- Connect the 5V/1A power adapter to the HDMI switch and plug it into a power outlet.

## After Setup:

- The indicator next to the 'HDMI IN1' socket and the 'PC1' socket will light up, signaling that the switch is in working mode.
- Use the 'SELECT' button on the switch or the '1-4' buttons on the remote control to switch between input ports (HDMI IN 1-4 and PC1-4). The corresponding LED indicator will light up when an input port is selected.

## Additional Notes:

- The "Keyboard/Mouse" port supports mouse, keyboard, and U disk connections, but only one set of mouse and keyboard can be connected at a time.
- When switching, the HDMI input port and the PC input port are switched simultaneously.

## The Package includes:

1. HDMI KVM SWITCH 4x1	1PC	3. USB 2.0 A Male cable	4PCS
2. IR Remote Control	1PC	4. User Manual	1PC
		5. 5V power adapter	1PC