

HDMI SWITCH

HDMI Auto Switch 4x1 (4K60Hz)



Where every Moment comes Alive

ER2884SW

HDMI[®]
HIGH-DEFINITION MULTIMEDIA INTERFACE

Introduction :

The **EiRa ER2884SW HDMI Auto Switch 4x1** allows switching between any of its four HDMI input ports to a single display using either a remote control or a manual button. It features an **automatic switching function**, where the switch detects a new HDMI signal and automatically displays the corresponding input. The device also offers a **time polling function**, which enables **cyclic switching** among the four HDMI inputs at selectable intervals of **10 seconds, 15 seconds, or 20 seconds**. The ER2884SW supports a wide range of **HD resolutions**, including **720p, 1080i, 1080p, 4K at 30Hz, and 4K at 60Hz**, making it ideal for **home theatres, conference rooms, and digital signage applications**.

Features:

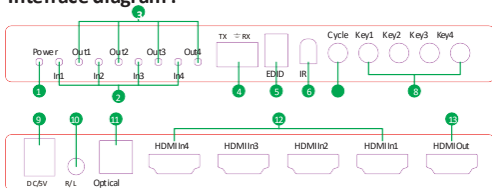
- Supports **3D video format**
- Supports highest transmission rate of **6×3G with TMDS clock up to 600 MHz**
- Supports **HDR (High Dynamic Range)**
- Supports **automatic HDMI input switching**: Prioritizes switching to the most recently connected port; If a signal is unplugged, switches preferentially to **HDMI In1**; if In1 is unavailable, switches to **In2**, and so on
- Supports HDMI input interface **time polling function** with **automatic switching every 10, 15, or 20 seconds**
- Supports multiple HDMI input sources such as DVD players, HDMI media players, PS4, and set-top boxes

Specification	Details
HDMI Resolution	Up to 4K/60Hz
Supported Video Format	HDR Video Format
Supported Video Color Format	24/30/36-bit Deep Color
Supported Audio Format	DTS-HD, Dolby TrueHD, DTS, Dolby-AC3
Max Band width	600 MHz
Max Baud Rate	6 Gbps
Max Working Current	600 mA
Operating Temperature Range	-10°C to +55°C
Dimensions (L × W × H)	150 × 67 × 19 mm
Weight	175 g

Resolution	4K@60Hz/120Hz	4K@30Hz	1080P @60Hz
HDMI cable length	output	output	output
	≤5M	≤10M	≤15M
Tips: The cable length corresponding to the HDMI cable should conform to the following table			
Cable specification	26AWG	26AWG	24AWG

Ps: The above datas are obtained from the laboratory tests.

Interface diagram :



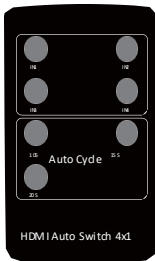
1. Power -- Power light
2. In1-In4 -- HDMI input light (Light on when has TMDS signal)
3. Out1-Out4 -- HDMI output light, Corresponds to the HDMI input port
4. TX \rightleftarrows RX -- RS232 port
5. EDID -- DIP switch, using for EDID management
6. IR -- IR receive
7. Cycle -- Time cycle
8. Key1-Key4 -- Input switch
9. DC/5V -- 5V power interface
10. R/L -- Stereo output interface
11. Optical -- Fiber optic audio interface
12. HDMI In4-In1 -- HDMI input interface
13. HDMI Out -- HDMI output interface

DIP EDID Switch Description:

1	2	Function
0	0	Manual switch mode.
0	1	The current input port, whether it has a signal input or not, when other input port from no signal to a signal, switch to this input port.
1	0	If the current input port has no signal, preferentially switch to HDMI In1 interface. If HDMI In1 is not inserted, it automatically switch to port 2, and so on.
1	1	Implement the functions of "0 1" and "1 0".

Note: switch down is 1, upward is 0

Remote Control:



IN1-IN4: HDMI input 1-4 selection.

Auto Cycle: 10S 15S 20S Automatic time polling function (sequential cycle)

Time Polling Function

For the **Time Polling Function**, you can set the HDMI switch to automatically cycle through the HDMI input ports. Here's how it works:

•**Press the 10S button:** The switch will cycle through the HDMI input ports in 10-second intervals. If the current port is **HDMI In1**, it will switch to **HDMI In1** for 10 seconds, then to **HDMI In2**, and continue cycling through all 4 ports.

•**Press the 15S button:** The switch will cycle through the HDMI input ports in 15-second intervals.

•**Press the 20S button:** The switch will cycle through the HDMI input ports in 20-second intervals.

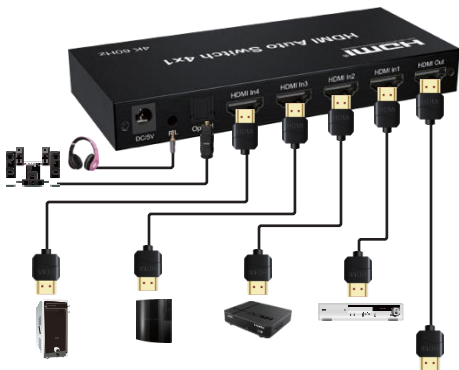
To **cancel the time polling function**, simply press the current time button again.

Note: If there is no signal detected on the current HDMI input port, the switch will automatically switch to the next available port with a signal.

Accessories :

- | | |
|-------------------------|-----|
| 1. HDMI auto switch 4X1 | 1PC |
| 2. IR remote control | 1PC |
| 3. Power adapter | 1PC |
| 4. User manual | 1PC |

Application diagrams:



Operating and Connecting

1. **Connect HDMI Source Devices:** Use **four HDMI cables** to connect **HD signal sources** (such as DVD players, gaming consoles, media players, etc.) to the **HDMI input ports (1-4)** on the **HDMI switch**.
2. **Connect Display Device:** Use **one HDMI cable** to connect the **HDMI output port** on the **HDMI switch** to your **HDMI-enabled display** (TV, projector, monitor, etc.).
3. **Power the HDMI Switch:** Connect the **5V/1A power adapter** to the **power input port** on the **HDMI switch** and plug it into a power outlet.
4. **Switch Signals:** You can freely **switch signals** between the connected input ports using the **remote control** or the **buttons** on the switch.