

HDMI SWITCH/ SPLITTER

HDMI Switch/Splitter 2X4 (4K60Hz)



Where every Moment comes Alive

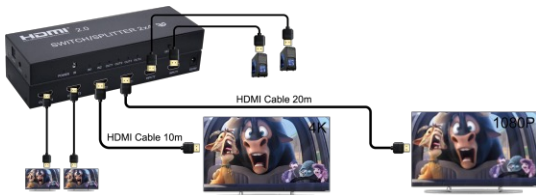
ER2820SS

Introduction :

The 2 x 4 HDMI 2.0 switch splitter represents a versatile solution for distributing high-definition audio and video signals across multiple display terminals. Designed to accommodate two HD signal sources simultaneously, such as Blu-ray players or gaming consoles, it effortlessly splits these signals to up to four HD displays or projectors. In addition to its splitting capability, the splitter can amplify HDMI signals when connected to an output cable, ensuring consistent signal strength across all connected devices. Supporting a wide array of HD video formats including 720p, 1080p, and Ultra HD resolutions up to 2160p @ 60Hz, it also caters to advanced audio needs with support for all HD multichannel audio formats, supplemented by 3.5mm audio and SPDIF audio outputs. This makes it an ideal choice for both residential and commercial settings where seamless multimedia distribution is essential.

Features:

- **Downscaling Capability:** Can output both 4K and 1080p resolutions simultaneously.
- **High-Definition Support:** Supports 4K at 60Hz with RGB/YUV 4:4:4 color format.
- **Long-Distance Transmission:** 4K at 60Hz transmission up to 10 meters (about 33 feet). 1080p transmission up to 20 meters (about 66 feet).



Specifications:

- **HDMI Version:** HDMI 2.0a
- **HDMI Resolution:** Supports resolutions up to 3840 x 2160 at 60Hz
- **Video Colour Format Support:** 8/10/12 bit deep colour
- **Audio Format Support:** DTS-HD, Dolby-trueHD, DTS, Dolby-AC3, DSD
- **Max Bandwidth:** 600MHz
- **Max Baud Rate:** 6Gbps
- **Input Cable Distance:** 1080p resolution: ≤20 meters with AWG26 HDMI standard cable
- 4K resolution: ≤10 meters with AWG26 HDMI standard cable
- **Output Cable Distance:** 1080p resolution: ≤20 meters with AWG26 HDMI standard cable
- 4K resolution: ≤10 meters with AWG26 HDMI standard cable
- **Max Working Current:** 500mA
- **Power Adapter Format:** Input AC (50Hz, 60Hz) 100V-240V; Output DC 5V/1A
- **Operating Temperature Range:** -15°C to +55°C
- **Dimensions:** 200 x 70 x 25 mm
- **Weight:** 280g

IR Remote Control:

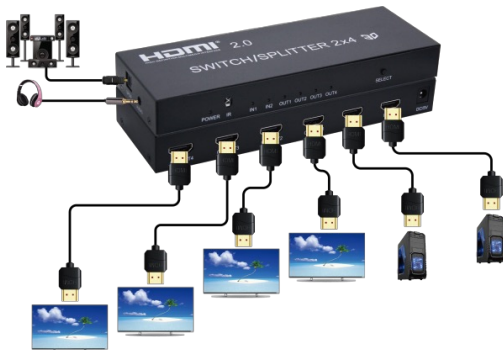
1. Press the key 1 to switch to the input 1, "IN1" indicator turns red
2. Press the key 2 to switch to the input 2, "IN2" indicator turns blue



Channel switching operations:

Press the "Select" button of the switcher for around 5 seconds, can switch between 5.1 and 2.1 audio channel.

Application diagrams



Connection and Operation

1. Connect HDMI source device and HDMI Switch/Splitter input with two cables.
2. Connect displayer and HDMI Switch/Splitter output with four cables.
3. Connect 5V/1A power adapter to the HDMI Switch/Splitter.

Application diagrams



Audio-visual conference

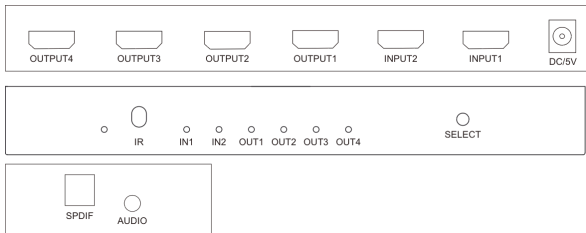


Command and control center



Home theater

Operation and Connection



Port	Description
OUTPUT 4-1	HDMI signal output port 4-1
INPUT 2-1	HDMI signal input port 2-1
DC/5V	DC power input port,DC 5V power adapter
POWER	Power indicator
IR	IR remote control
IN 1-2	HDMI signal 1-2 input indicator
OUT 1-4	HDMI signal 4-1 output indicator
SELECT	Switch input signal button
SPDIF	digital audio output
AUDIO	3.5mm audio output

The Package includes:

1. HDMI Switch/Splitter
2. IR Remote Control
3. 5V/1A Power adapter
4. User Manual