



SHERRIVA

## QUICK START GUIDE

HDMI 2.1 Splitter with auto down-scaling

1 input 4 outputs

UHD-1480

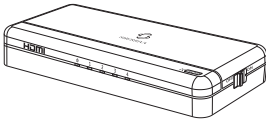


### FEATURES

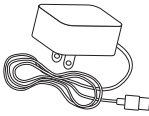
- HDMI 2.1 8K
- HDMI 2.1 4K@120
- Down-scaling for 8K content to 4K or 1080P display
- Down-scaling for HDR content to SDR display
- Support Video Data Rate 48Gbps
- HDCP 2.3 compliant

### PACKAGE CONTENTS

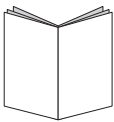
1. HDMI Splitter



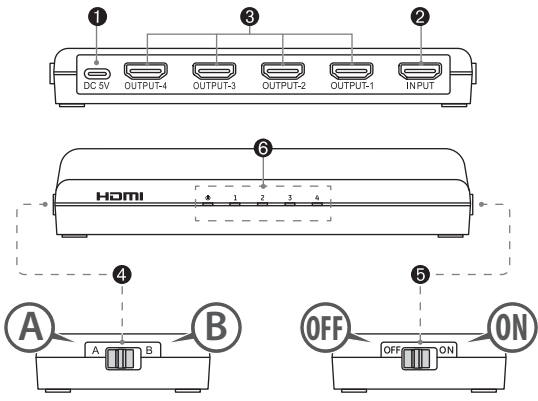
2. Power Adaptor



3. Quick Start Guide



### PRODUCT OVERVIEW



| EDID Mode Switch                                                         |                  | Power Switch |           |
|--------------------------------------------------------------------------|------------------|--------------|-----------|
| A Mode                                                                   | Auto Detection   | ON           | Power On  |
| Recommend using this mode first.                                         |                  | OFF          | Power Off |
| B Mode                                                                   | Auto Downscaling |              |           |
| ※ Only use when you are familiar with the specifications of all devices. |                  |              |           |

| NO. | Name                                         | Description                                                                     |
|-----|----------------------------------------------|---------------------------------------------------------------------------------|
| 1   | DC 5V (USB-C)                                | Connect the power adaptor (included) to power the splitter.                     |
| 2   | INPUT                                        | HDMI signal input port. Connect HDMI source devices like Game Console, N/B, etc |
| 3   | OUTPUT-1<br>OUTPUT-2<br>OUTPUT-3<br>OUTPUT-4 | HDMI signal output port. Connect to display devices like monitors, TV, etc      |
| 4   | EDID Switch                                  | Toggle between 2 EDID mode.                                                     |
| 5   | Power Switch                                 | Slide the switch left or right to power the device ON/ OFF.                     |
| 6   | Indication LED                               | When the LED is lit, it shows corresponding device activates.                   |

### EDID MODE SWITCH

**A**  
Mode

#### Auto Detection

Highest Common Factor Mode

#### Definition

Automatically detects the specifications of all connected devices and output the lowest supported setting, ensuring reliable video and audio performance.

#### Scenarios

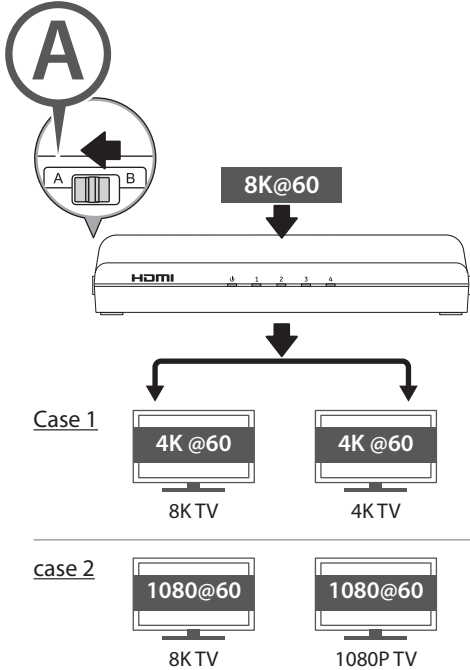
- Multi- displays
- Displays+ Amplifier/ Capture/ Ambient light

#### Connection Notes

Displays can be connected to any HDMI port on the HDMI splitter.

#### Presentation Combinations

1. The displays will show the same resolution and audio format.
2. The higher resolution TV will downscale to match the resolution of the lower resolution TV, resulting in the same display output.
3. Examples:
  - 8K TV + 8K TV → Both will display in 8K
  - 8K TV + 4K TV → Both will display in 4K



**B**  
Mode

#### Auto Downscaling

Copy the EDID of the Output-1 Port

\* Video can be downscaled but audio cannot.  
\*Note: Due to the replication of **OUTPUT-1's** EDID (Highest resolution and audio format), there may be instances where the connected device at Output-2 experiences issues (unable to receive high-spec audio and video signals). *In this case, switching back to A MODE will restore normal operation.*

#### Definition

Optimized the outputs for multiple devices by copying the OUTPUT-1's EDID. Connect the highest specification device to OUTPUT-1.

#### Scenarios

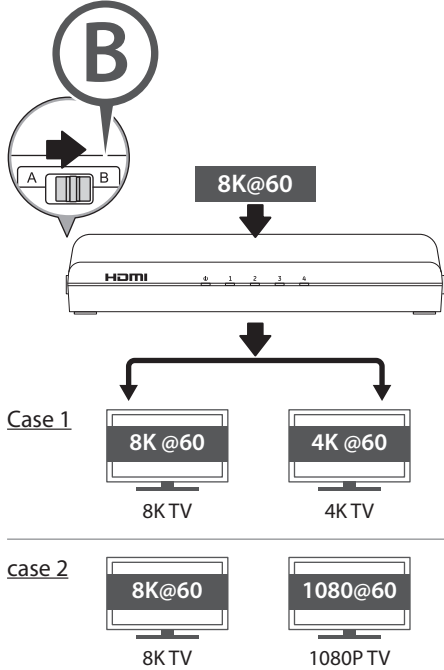
- Multi- displays
- Displays+ Amplifier/ Capture/ Ambient light

#### Connection Notes

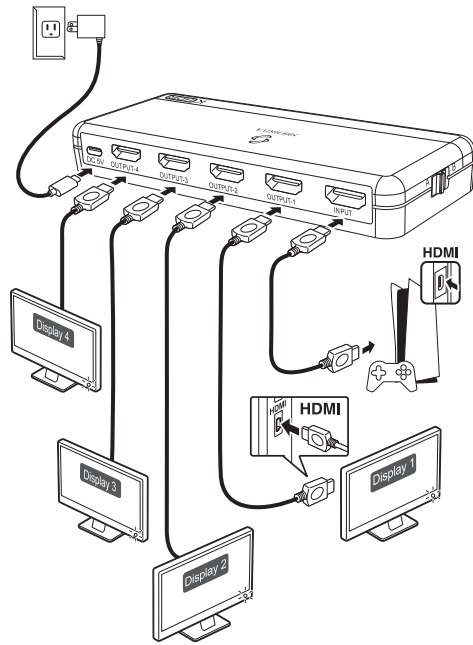
The highest specification (audio/video) device must be connected to **OUTPUT-1** of the splitter.

#### Presentation Combinations

1. If OUTPUT-1 is connected to an 8K TV, the output from OUTPUT-2~4 will replicate the EDID content of OUTPUT-1 and support downscaling to 4K or 1080P resolution.
2. The TVs will each display content at their optimized resolutions.
3. Examples:
  - 8K TV + 8K TV → Both will display in 8K
  - 8K TV + 4K TV → Displays 8K + 4K



### CONNECTION



**1** Connect with the source

**2** Connect with the output devices

**3** Plug in the Power Adaptor

**4** Toggle the A / B mode  
A Mode / B Mode selection.

Refer to the instructions in the next section.

**5** Power on the splitter

\*While the EDID (A/B) mode switched,  
Please turn the power ON/OFF again.

### SPECIFICATIONS

| General         |                                                                                                                                      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------|
| HDMI Version    | HDMI 2.1                                                                                                                             |
| HDCP Compliance | HDCP 2.3                                                                                                                             |
| Video Bandwidth | 48 Gbps                                                                                                                              |
| Video Format    | Non-DSC:<br>Up to 8K60 4:2:0 12bit,<br>4K120 4:4:4 12bit<br>DSC:<br>Up to 8K60 4:4:4 12bit,<br>4K240 4:4:4 12bit                     |
| HDR             | HDR, HDR10, HDR10+, Dolby Vision, HLG (Pass through)                                                                                 |
| CEC function    | Out 1 Support (Pass through)                                                                                                         |
| Audio Format    | HDMI Standard audio (Pass through)<br>LPCM, Dolby Digital/Plus/EX, Dolby ATMOS, Dolby True HD, DTS, DTS-EX, DTS-HD Master Audio, DSD |

| Connectivity |                                               |
|--------------|-----------------------------------------------|
| INPUT        | Type A 19-pin female (Gold plated connectors) |
| OUTPUT-1     | Type A 19-pin female (Gold plated connectors) |
| OUTPUT-2     | Type A 19-pin female (Gold plated connectors) |
| OUTPUT-3     | Type A 19-pin female (Gold plated connectors) |
| OUTPUT-4     | Type A 19-pin female (Gold plated connectors) |
| Power        | USB-C                                         |

※ Specification subject to change without further notice.

### NOTICE

- Manufacturer reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.
- The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
- UHD-1480 incorporates HDMI® technology.
- Dolby is a registered trademark of Dolby Laboratories.
- DTS is a registered trademark & the DTS logos and Symbol are trademarks of DTS, Inc.



Please Scan the QR code to watch How to use the product.



8K display + 4K display



8K TV

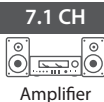


4K Projector

Video and Audio



8K TV



Amplifier

Video and Ambient light



8K TV

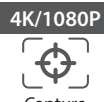


Ambient Lighting

Online streaming and capture application



8K TV



Capture



8K TV + 4K Projector

Q : No image is displayed on the projector.

- A :
- (1). Make sure the projector's input source is selected correctly.
  - (2). Please ensure that the HDMI cable connected to the projector is certified for HDMI 2.0 4K@60 to guarantee transmission quality.
  - (3). If your cable length requirement exceeds 25ft, it is recommended to purchase active HDMI cables or fiber optic HDMI cables for used.

Q : My 8K TV is not displaying 8K content.

- A :
- (1). Please confirm that the 8K TV is connected to **OUTPUT-1 Port** of the splitter and that the side EDID mode switch is set to **B MODE**.
  - (2). The EDID mode switch is complete. **Please turn the power ON/OFF again.**
  - (3). Please check the HDMI settings on the 8K TV to ensure that the **enhanced mode** is enabled.
  - (4). Please ensure that the HDMI cable connected to the 8K TV is certified for **HDMI 2.1 UHS** to transmit 8K signals
  - (5). Check if the source device and the content being played support 8K.
- \*Note: Different brands have varying definitions and terminology for "Enhanced Mode". Please refer to the specific brand's user manual for clarification.*
- For example:
- SONY TV refers to it as **HDMI Signal Format**.
  - Samsung TV refers to it as **Input Signal Plus**.

Q : The 8K TV is not outputting Atmos audio

- A :
- (1). Connect the 8K TV to the splitter's **OUTPUT-1 port** and set the splitter to **B MODE** to ensure the best audio quality.
  - (2). The EDID mode switch is complete. **Please turn the power ON/OFF again.**
  - (3). Please ensure that the HDMI cable connected to the 8K TV is certified for **HDMI 2.1 UHS** to transmit 8K + Atmos signals.
  - (4). Please confirm that the signal source and the playback content support the Atmos audio format and that it is outputting correctly.

8K TV + 720P Display

Q : The 720p Display is not displaying any image.

- A :
- (1). Please confirm that the display input signal source is set to the correct position.
  - (2). Please check if the HDMI cable connected to the display is functioning properly to transmit the signal.
  - (3). If the 8K TV displays an 8K image, please note that **the splitter's downscaling** only supports 8K down to 4K or 1080P and **does not support 720P**. It is recommended to replace it with a 1080P display for use.

Q : The image quality on my 8K TV is unclear or degraded.

- A :
- (1). Make sure your 8K TV is connected to the splitter's **OUTPUT-1 port**, and set the splitter to **B MODE** to achieve the best image quality.
  - (2). The EDID mode switch is complete. **Please turn the power ON/OFF again.**
  - (3). Ensure the TV's HDMI setting has "**Enhanced Mode**" enabled.
  - (4). Use an HDMI 2.1 UHS certified cable to support full 8K signal transmission.
  - (5). Please confirm that the signal source and the playback content support the 8K format and that audio and video output is enabled
- \*Note: Different brands have varying definitions and terminology for "Enhanced Mode". Please refer to the specific brand's user manual for clarification.*
- For example:
- SONY TV refers to it as **HDMI Signal Format**.
  - Samsung TV refers to it as **Input Signal Plus**.

8K TV + HDMI 2.0 AVR

Q : My 8K TV is not displaying 8K content.

- A :
- (1). It is recommended to connect the 8K TV to the splitter's **OUTPUT-1 port** and set the splitter to **B MODE** to ensure complete support for 8K resolution and Atmos audio.
  - (2). The EDID mode switch is complete. **Please turn the power ON/OFF again**
  - (3). Please check the HDMI settings on the 8K TV to ensure that the **enhanced mode** is enabled.
  - (4). Please confirm that the HDMI cable connected to the 8K TV is certified for HDMI 2.1 UHS.
  - (5). Please verify that the signal source and the playback content support the 8K format and that audio and video output is enabled.

Q : Amplifier does not support eARC.

- A :
- (1). The splitter primarily outputs synchronized signals, with the audio format being **HDMI\_Audio**, and it does not support eARC.
  - (2). Typically, to support eARC audio decoding, it is necessary to use a device such as an HDMI extractor, which can convert the source audio into eARC format for output.

4K@120 Display + HDMI 2.0 AVR

Q : My 4K Display is not displaying 4K@120Hz content.

- A :
- (1). Connect the display to the splitter's **OUTPUT-1 port**, and set the EDID mode switch to **B MODE** to ensure 4K@120Hz output.
  - (2). The EDID mode switch is complete. **Please turn the power ON/OFF again**
  - (3). Please check if the HDMI port connected to the display supports 4K@120.
  - (4). Please verify that the HDMI settings on the displays are set to enable **enhanced mode**.
  - (5). Please ensure that the HDMI cable connected to the display is certified for HDMI 2.1 UHS to transmit 4K@120 signals.
  - (6). Check if your source device and the content being played support 4K@120Hz high refresh rate.
  - (7). Note: Different brands have varying definitions and terminology for "**Enhanced Mode**". **Please refer to the specific brand's user manual for clarification.**
- For example:
- SONY TV refers to it as **HDMI Signal Format**.
  - Samsung TV refers to it as **Input Signal Plus**.

Both room - 4K TV + Amplifier + Streaming Box

Q : Both rooms have a 4K TV and amplifier setup, sharing a streaming box. The extension cable to the second room is very long (50 feet).

The main room TV occasionally experiences black screens and is unable to activate HDR.

- A :
- (1). First, unplug the Output-2 HDMI cable from the splitter, leaving only the device connect-ed to Output-1, and check if the audio and video are functioning properly.
  - (2). If the audio and video in the main room are still abnormal, replace the cable with another one that meets the HDMI 2.0 PREMIUM certification (to ensure high-frequency transmission quality).
  - (3). Also, check that the amplifier's HDMI OUT setting is set to output through the SUB (audio and video) port.
  - (4). If the audio and video in the main room are functioning properly, plug in the Output-2 HDMI cable and check if both room TVs are working as expected.
  - (5). If the audio and video in the main room become abnormal again, replace the cable with one that meets HDMI 2.0 PREMIUM certification (for HDMI cables over 25 ft, use one with built-in IC amplification).
  - (6). Plug in the Output-2 HDMI cable and confirm whether both room TVs are working normally.
  - (7). Ensure the amplifier's HDMI OUT setting is set to output through the SUB (audio and video) port.
  - (8). Set the source device's output resolution to "Auto" (automatic detection of the output content at the endpoint).
  - (9). Finally, if the issue persists after following the steps above, try using a different media player to see if the same issues occur.

Projector (4K@120+eARC) + Soundbar (4K)

Q : The projector cannot display 4K@120Hz and only reaches 4K@60Hz

- A :
- (1). Ensure the Projector supports eARC and 7.1 channel audio.
  - (2). Set the EDID mode switch of the splitter to **B MODE** :
  - (3). Connect the **OUTPUT-1 port to the projector**.
  - (4). Connect the OUTPUT-2 port to the soundbar.
  - (5). The EDID mode switch is complete. **Please turn the power ON/OFF again.**

4K@120 TV + Ambient light (4K@60)

Q : My 4K TV is not displaying 4K@120Hz content

- A :
- (1). Connect the TV to the splitter's **OUTPUT-1 port**, and set the EDID mode switch to **B Mode** to ensure 4K@120Hz output.
  - (2). The EDID mode switch is complete. **Please turn the power ON/OFF again.**
  - (3). Please check if the HDMI port connected to the TV supports 4K@120.
  - (4). Please verify that the HDMI settings on the 4K TV are set to enable enhanced mode.
  - (5). Please ensure that the HDMI cable connected to the 4K TV is certified for HDMI 2.1 UHS to transmit 4K@120 signals.
- \*Note: Different brands have varying definitions and terminology for "Enhanced Mode". Please refer to the specific brand's user manual for clarification.*
- For example:
- SONY TV refers to it as **HDMI Signal Format**.
  - Samsung TV refers to it as **Input Signal Plus**.

Q : The Ambient light is not showing lighting effects.

- A :
- (1). Check if the Ambient light supports converting 1080p@120Hz signal to RGB lighting effects.
  - (2). If it does not support 1080p@120Hz, the Ambient light may not function properly. You can switch the EDID mode switch to **A MODE**, allowing the TV to operate at 4K@60Hz and enabling the lighting effects.
  - (3). The EDID mode switch is complete. **Please turn the power ON/OFF again.**

4k@120 TV + 4k@60 Capture box

Q : My 4K@120 TV is not displaying correctly when connected with a 4K@60Hz Capture box.

- A :
- (1). Please check if the HDMI port connected to the TV supports 4K@120.
  - (2). Please verify that the HDMI settings on the 4K TV are set to enable enhanced mode.
  - (3). Please ensure that the HDMI cable connected to the 4K TV is certified for HDMI 2.1 UHS to transmit 4K@120 signals.
  - (4). Check if that the source device (e.g., gaming console or streaming device) and the content support 4K@120Hz high refresh rate.
  - (5). Connect the TV to the splitter's **OUTPUT-1 port**, and set the EDID to **B MODE** to ensure the TV receives the highest resolution and refresh rate.

Monitor + 1080P Capture box

Q : How can I resolve the resolution issue that occurs after connecting my monitor and capture box separately to the splitter?

A MODE: The capture box works normally, but the monitor display appears smaller.

- A :
- Preliminary analysis: It appears that the monitor does not support the resolution content being sent at that time, resulting in a misinterpretation of the image.
- \*Set the splitter's EDID to **B MODE**, connecting the monitor to OUTPUT-1 (to output the highest resolution) and the capture device to OUTPUT-2 (to downscale to 1080).*