



Model: HDBD4K 2 Port Bi-Directional HDMI Switch



User Manual v1.1

Introduction

Switch two HDMI sources between one display or switch one HDMI source between two displays. This is not an HDMI switch and cannot display two images on two monitors simultaneously. This bi-directional switch utilizes an integrated IC solution to substantially reduce product power consumption and can operate by drawing power from the host devices via the HDMI cable.

Features

- * Two HDMI sources to one HDMI display
- * One HDMI source to two HDMI displays
- * Compliant with HDMI v2.0b
- * Supports full 3D video format
- * Supports 4K Ultra HD 3840 x 2160 @60Hz YUV 4:4:4
- * Supports Digital Cinema resolution 4096 x 2160 @60Hz
- * Supports HDCP 2.2 and HDCP 1.4
- * Supports High Dynamic Range (HDR) video
- * Supports Ultra High 18Gbps bandwidth
- * Supports 12bit per channel (36bit all channels) deep color
- * Supports Consumer Electronics Control (CEC)
- * Supports uncompressed audio such as LPCM
- * Supports compressed digital audio including Dolby True HD, DTS-HD Master Audio, Dolby Digital, Dolby-AC3 and DTS
- * Manual port selection: Enables you to manually select your HDMI source with easy-to-use push button

Specification

Supported Maximum Resolution	4096 x 2160 @60Hz 4:4:4
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	6.0Gbps/600MHz per channel (18Gbps all channels)
Interlaced (50 & 60Hz)	480i, 576i, 1080i
Progressive (50 & 60Hz)	480p, 576p, 720p, 1080p, 4K @24/30Hz, 4K@50/60Hz
Input DDC Signal	5 volts p-p (TTL)
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)
External Power Supply	N/A
Power Consumption (Max)	5W

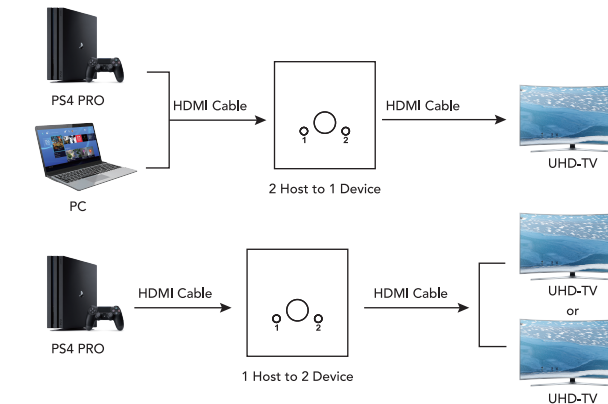
Note:

1. Specification is subject to change without notice.
2. When the resolution is 4K @60Hz 4:4:4, the length of the HDMI input and output cables should not exceed 2m to avoid the abnormal flash screen and other anomalies.

Package Content

- 1) HDMI Bi-Directional Switch
- 2) User Manual

Connection and Operation



Note: This is not an HDMI splitter and cannot display two images on two monitors simultaneously.