



Scan the QR code below or visit <https://resource.itechdigital.com/products/3225> to view and access detailed digital resources regarding this unit.

Safety Instructions:

Before using this product, please carefully read the following safety instructions to ensure the proper use and keep the manual for future reference.

- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stoves, or other heat-producing appliances.
- Do not place any objects on top of the product to avoid damage.
- Use only the accessories and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of abuse, unplug the power supply to prevent damage.

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1. Introduction

The HDMI™ 2x1 Switcher 2x1 lets you share an HDMI™ display or projector with two HDMI-enabled audio/video source devices. With support for Ultra HD (4K@60Hz) or the HDMI™ 2.1 feature (up to 8K@60Hz), you can enjoy the best of both worlds. The 2x1 Switcher also features a built-in EDO (E-DO) control, supporting 4K@120Hz / 2x1@120Hz video resolution devices. Even if you don't have an 8K video display, the HDMI™ 2.1 Switcher 2x1 ensures you'll be able to take advantage of tomorrow's technology. It features EDO management for bypass EDO and three default EDO modes to meet needs of different display sources. It also supports audio extract from HDMI source to optical and analog out.

2. Package Contents

- HDMI 2x1 Switcher (HG302HQ 4:4:4 with Audio Extraction/EDO) and Remote Control
- User Manual
- Remote Control
- 10V 1A DC Power Adapter with cable

2. Ports and Interfaces

Remote Control Size: 128.3 x 47.1 x 17.2mm

- Power: Pressing to turn on/off the switcher.
- 1-12: Pressing the number to select the input source accordingly.
- 16# : Pressing to turn on/off the EDO (E-DO) mode of the switcher. EDO mode LED indicator on a normal IR receiver mode, off in a normal IR receiver mode.
- Auto: Pressing to change the manual switching and automatic switching mode.

5. USB Service (For Factory Use Only)
6. QD: Power LED Indicator
Red LED indicator: "ready mode"
Blue LED indicator: "waiting mode"
Red LED indicator: "no input source connected"
7. Q: HDMI Output LED Indicator
8. Q: HDMI Input 1 LED Indicator
9. Q: Auto Mode LED Indicator
10. Q: Manual Switching Mode
11. Q: Manual Switching Mode
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4. Features

- Support full 3D video format
- Support High Definition resolution (4K@60Hz 4:4:4, 4K@120Hz and 4K@120Hz)
- Support 100MHz/120MHz per channel bandwidth (4K@60Hz all channels)
- Support 120Hz per channel (20bit all channels) Deep Color
- Support HDCP 2.2 and back compatible with the HDCP 2.1 and HDCP 1.4
- Support High Dynamic Range (HDR) video pass-through, such as HDR10/HDR10+/Dolby Vision, etc.
- Support Consumer Electronics Control function
- Support uncompressed audio such as LPCM
- Support compressed audio such as DTS, Dolby Digital (including DTS-HD Master Audio™) and Dolby TrueHD™
- Support EDO management for input/output EDO and three default EDO modes

10. Model Service

1. If you would like to report a defect, please contact our technical support team via the website or your distributor, please make sure your source device, your data and your monitor can all support the resolution and refresh rate you need to adjust device.

2. You need correct standard HDMI-compatible 2.1 cable to enjoy 8K visual effects.

5. Specification

Input Ports	HDMI 2.1
Output Ports	HDMI 2.1
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	102MHz/120MHz per channel(4K@60Hz all channels)
Resolution@Refresh Rate	480p/576p/720p/1080i/4K@60Hz/4K@120Hz
Progressive@Refresh Rate	4K@60Hz/4K@120Hz
Limit Warranty	1 Year Parts and Labor
Operating Temperature	0°C to 35°C
Storage Humidity	20% to 90% (Non-condensing)
Power Supply	USB Power Cable
Power Consumption (Max)	2W
Switcher Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Power Adapter Support	5V, 1A, 2A, AC Adapter etc.
Dimensions (Unit)	127.9x73.9x17.2mm
Net Weight	103g

Note: Specifications are subject to change without notice.

6. Connection Diagram

7. Troubleshooting Common Issues

Q: Power light is off and product is not working. How can I fix that?

- First, please check the following items:
 - Check that your device power leads are properly connected and power is on.
 - Check the HDMI port of display is selected correctly and properly connected as well.

Q: My display flickers when I use the switcher. What could be causing that?

- This may be caused by one or more of the following:
 - Make sure the HDMI cable and display are correctly connected.
 - Check the HDMI cable is supported by the display and the length is under the cable length limit (HDMI in and out are 100m/300ft 4:4:4, 4K@60Hz can reach 150m/500ft).
 - Change the manual port choice to the display.
 - Change the manual EDO mode to check the display normal or not.

Q: The switcher can't output 8K resolution to the display. Is it normal?

A: The product can support 8K resolution. It supports both display, the host source and the HDMI cable support the 8K resolution. If one of the items did not support the higher resolution, please change another lower resolution to display.

8. Maintenance

Clean the unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzene to clean.

9. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (hereinafter referred to as "the warranty") will, for the length of the period indicated on label, "Parts and Labor (P&L)", which starts with the date of original purchase (12-month warranty period), at its option either: (1) replace your product with new or refurbished parts, or (2) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warranty.

During the "Parts and Labor" warranty period, there will be no charge for labor. During the "P&L" warranty period, there will be no charge for parts. You must maintain your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for limited warranty service.

10. Mail-In Service

Please contact the local, country-based and send it prepaid, adequately insured, and preferably in freighted carton. Include a letter detailing the condition and provide a clear photo and/or serial numbers when you can be reached.

11. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failure due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occur during a repair, or failure which are caused by products not specified by warranty or failure which result from accidents, misuse, abuse, neglect, handling, transportation, alteration, modification, use of accessories, fire, adjustment of consumer controls, improper maintenance, excessive usage, lightning damage, modification, or service to source other than a Factory Service center or other Authorized Service, or damage that is attributable to use of third party.

There are no express warranties except as stated under "Limited Warranty Coverage". This warranty is voidable for fraudulent or consequential damages resulting from the use of this product or arising out of any use of this warranty. In any event, this warranty does not cover any consequential, special, or incidental damages, or any damages for loss of profits, loss of business, or any other damages. The terms listed are not exclusive but are for illustrative only. Parts and service, which are not covered by this limited warranty, are your responsibility.

