

Connect 310 UHD™



USER MANUAL

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SAFETY WARNINGS

- To prevent short circuits, this product should only be used inside and only in dry spaces. Do not expose the components to rain or moisture. Do not use the product close to a bath, swimming pool etc.
- Do not expose the components of your systems to extremely high temperatures or bright light sources.
- In case of improper usage or if you have altered and repaired the product yourself, all guarantees expire. Marmitek does not accept responsibility in the case of improper usage of the product or when the product is used for purposes other than specified. Marmitek does not accept responsibility for additional damage other than covered by the legal product responsibility.
- This product is not a toy. Keep out of reach of children.
- Do not open the product: the device may contain live parts. The product should only be repaired or serviced by a qualified expert.
- Keep batteries out of the reach of children. Dispose of batteries as chemical waste. Never use old and new batteries or different types of batteries together. Remove the batteries when you are not using the system for a longer period of time. Check the polarity (+/-) of the batteries when inserting them in the product. Wrong positioning can cause an explosion.

1. INTRODUCTION

Congratulations on your purchase of the Marmitek Connect 310 UHD™! It allows you to use 1 cable to connect 3 HDMI sources to your TV, without any loss of signal or encryption. It's ideal when your TV doesn't have enough HDMI inputs, or if you want to connect the devices to your TV using just one cable. Examples of HDMI sources are game consoles such as a PlayStation or Xbox, Blu-ray players, digital TV decoders and all other HDMI devices. The Connect 310 UHD™ supports Ultra HD (4k), Full HD (1080p) and all 3D formats, making it suitable for all your existing and future equipment.

Marmitek products are manufactured with the utmost care and are exceptionally high quality. Please read this manual carefully and follow the instructions in order to get the best from this product.

2. SET CONTENT

- 1 x HDMI Switcher
- 1 x Remote Control (battery included)
- 1 x IR Receiver
- 1 x USB Power Cable
- 1 x User Manual

3. BENEFITS

- Suitable for simultaneously connecting 3 HDMI devices to your TV
- Energy efficient and requires no external power adapter
- Switches automatically and/or with remote control
- Includes separate IR receiver for operating the switcher when it is positioned out of sight

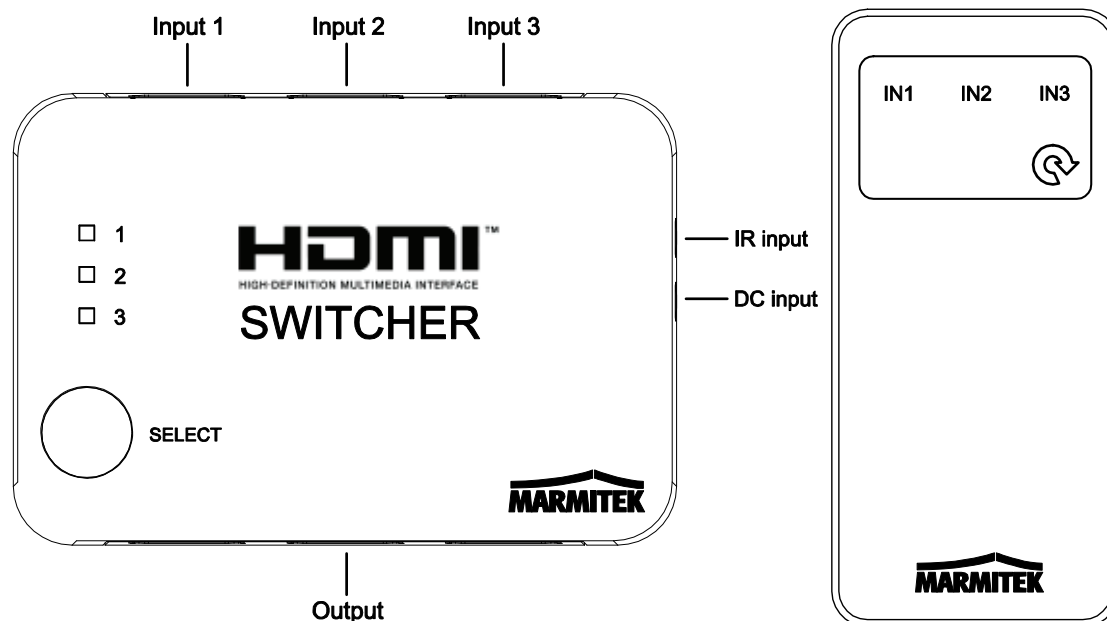
HDMI PROPERTIES

- Video bandwidth 300MHz (enables display of Ultra HD 4k and Full HD 1080p)
- Supports all 3D formats (suitable for use with your own 3D equipment)
- Deep Color 36-bit (billions instead of millions of colours, better reproduction of subtle differences in gradation and a higher contrast ratio)
- Dolby TrueHD and DTS HD Master Audio (high quality audio support)

4. INSTALLATION

Before installation:

- Turn off all devices (TV and HDMI sources) before connecting them to the Connect 310 UHD™. If a device cannot be turned off, please remove the plug from the socket.
- Only use High Speed HDMI® certified cables for the best picture and sound quality. Using too much force to connect or disconnect the HDMI cables may damage them.



1. Use an HDMI cable to connect the HDMI sources (such as game consoles, Blu-ray players and Digital TV Decoders) to the HDMI ports marked "HDMI input".
2. Use an HDMI cable to connect the TV to the HDMI port marked "HDMI output".
3. If required, connect the IR receiver to the "IR" input in order to continue to operate it when it is positioned out of sight, for example, in a closed cabinet. Remember to position the IR receiver itself within the remote control's line of sight.
4. The Connect 310 UHD™ is energy efficient and is powered by the connected HDMI devices, thus requiring no power adapter.
5. Pull the plastic strip from the remote control's battery compartment to activate the battery and remove the protective film from the top.

5. Use

Switching between connected HDMI devices

The Connect 310 UHD™ allows you to choose which HDMI source is displayed on the TV. If you turn on one of the HDMI sources, it will automatically switch to the correct input. If multiple HDMI sources are turned on, the Connect 310 UHD™ will automatically switch to the HDMI source that was activated last. If you want to select another HDMI source, please use the remote control or the "Select" button on the front.

Note: Automatic switching must be supported by the HDMI source. If it is not supported, you should manually select the appropriate HDMI source.

6. FREQUENTLY ASKED QUESTIONS

No (or poor) image and sound

If you experience poor or no picture after connecting the HDMI switcher, please try to identify the problem by connecting the devices to your screen (TV, monitor or projector) one by one. This allows you to determine whether the problem is with the HDMI sources, the HDMI cables, the HDMI switcher or the screen.

- If none of your connected HDMI devices provides a 5V power supply via the HDMI cable, you need to power the HDMI switcher via the USB cable. Use the supplied USB power cable and plug it into any available USB port on your other devices, or use a standard USB power adapter.
- For the best picture and sound quality, only use High Speed HDMI® certified cables.
- Do not use HDMI cables longer than those specified in the technical data.
- Check the HDMI cables and/or connectors for damage.
- Both the HDMI source and your screen should fully support HDMI.
- Check that your HDMI sources and screen support HDCP (High Bandwidth Digital Content Protection) copy protection.

Incorrect 3D display

- Please check whether the HDMI source is set to display 3D and/or it is set to automatic.
- Both the HDMI source and your HD screen should support the same 3D formats.
- Please check that 3D is displayed correctly by connecting the HDMI source directly to the HD display with an HDMI cable.

Do you have other questions that have not been resolved by the above information? Please go to www.marmitek.com

7. TECHNICAL DATA

Connections

HDMI input	3x HDMI (19-pin female)
HDMI output	1x HDMI (19-pin female)
HDMI cable length	max. 15 metres

Video

Supported resolutions	480p, 576p, 720p, 1080i, 1080p and 4k2k@24/30
HDMI standards	HDCP, CEC, EDID, DVI, all 3D formats, Deep Colour (36-bit), x.v.Color
Video Bandwidth	10.2Gbps
Clock frequency	300MHZ

Audio

HDMI audio	DTS-HD Master Audio, Dolby TrueHD, LPCM 7.1, DTS, Dolby-AC3 and 2.0CH
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Housing

Dimensions (D x W x H)	87 x 60 x 19mm
Weight	60g

Environment

Ambient temperature	+0 to +70° C
Ambient humidity	10% to 85%

Specifications may change without prior notice.



Environmental Information for Customers in the European Union

European Directive 2002/96/EC requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

DECLARATION OF CONFORMITY

Hereby, Marmitek BV, declares that this Connect 310 UHD™ is in compliance with the essential requirements and other relevant provisions of the following Directives:

Directive 2004/108/ec of the european parliament and of the council of 15 December 2004 on the approximation of the laws of the Member States relating to electromagnetic compatibility

Directive 2006/95/EC of the European Parliament and of the Council of 12 December 2006 on the harmonisation of the laws of Member States relating to electrical equipment designed for use within certain voltage limits

Directive 2002/95/EC of the European Parliament and of the Council of 27 January 2003 on the restriction of the use of certain hazardous substances in electrical and electronic equipment

Commission Regulation (EC) No 278/2009 of 6 April 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for no-load condition electric power consumption and average active efficiency of external power supplies



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