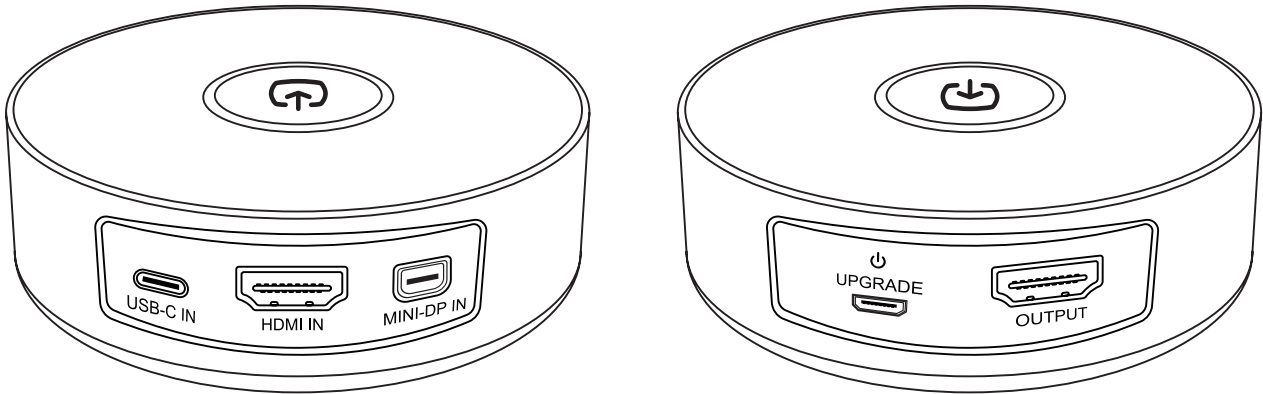


# MFP31

## Quick Reference Guide



## Introduction

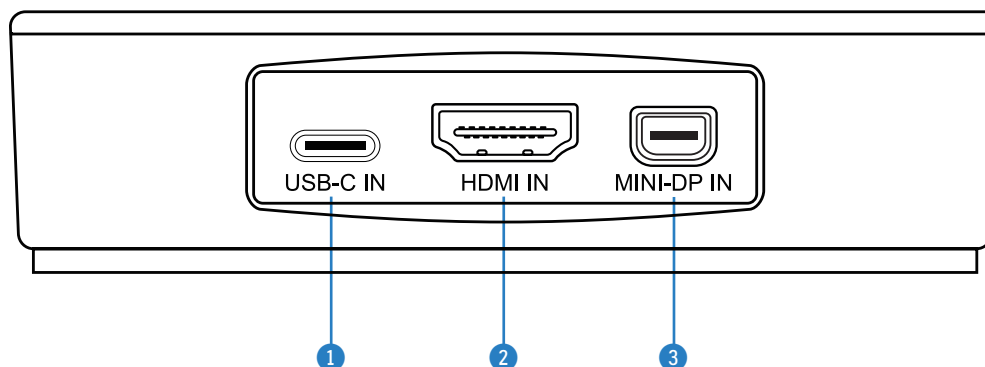
Our MFP31 is a portable multi-format presentation switch, featuring HDMI, Mini DisplayPort™ and USB-C inputs to a single HDMI output, with manual or auto source selection. The MFP31 supports HDMI 2.0 18Gbps specification including pass-through of all formats of HDR and HDMI audio. The MFP31 is an ideal product for your boardroom or huddle-space application.

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### FEATURES:

- Features 1 x HDMI 2.0, 1 x USB-C and 1 x Mini DisplayPort™ input which can be switched to a single HDMI output
- Supports HDMI 2.0 18Gbps specification including HDR
- Supports resolutions up to 4K UHD 60Hz 4:4:4
- Supports all known HDMI audio formats including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master Audio transmission
- Supports Mini DisplayPort™ up to 4K UHD 60Hz 4:4:4, DP1.2
- Supports USB Type C up to 4K UHD 60Hz 4:4:4, DP1.2
- Supports both manual and automatic source selection
- HDCP 2.2 compliant

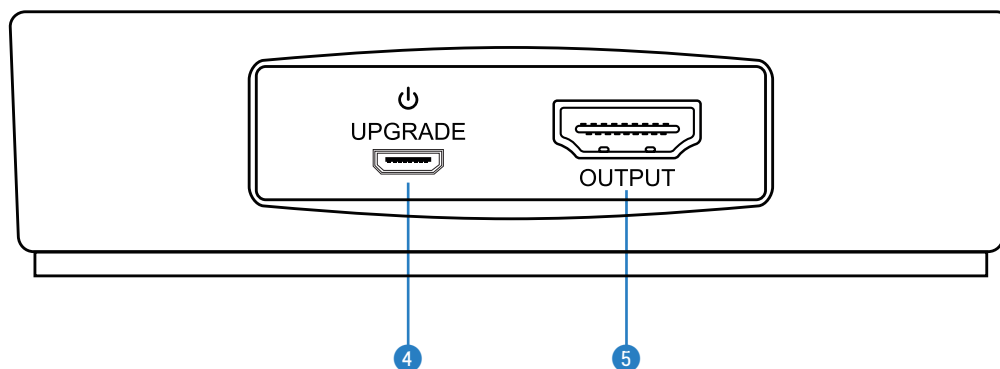
## Front Panel Description



- ❶ USB-C input - connect to a USB-C source device using a cable capable of carrying video
- ❷ HDMI 2.0 input - connect to a HDMI source device
- ❸ Mini DisplayPort™ input - connect to a Mini DisplayPort™ source device

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## Rear Panel Description



- ❹ Power / Upgrade port - micro-USB - connect to USB power supply, or PC for firmware upgrade
- ❺ HDMI 2.0 output - connect to display device

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## Cable Requirements

It is important to carefully consider the cabling requirements for the Blustream MFP31 within your installation.

Distances that video and audio signals can travel will vary depending on the quality and specifications of the cable chosen. It is recommended to use 18Gbps compliant cabling when using the MFP31 to pass UHD video content.

**Please Note:** charging cables supplied with most UBC-C phones, tablets and laptops are not capable of passing video or audio signals. A cable that is capable of carrying video and audio must be specified. Keep cable distances to a minimum to avoid signal loss, degradation, or handshaking issues.

## Input Switching

The MFP31 will auto-switch on connection, or on powering of an already connected source to the unit. Inputs can be manually switched by pressing the source button on the top of the unit. When switching using the manual source selection button, the unit will scroll from the current source to the next available connected source, in the order of the physical input connections:

**USB-C > HDMI > MINI-DP > USB-C > HDMI ....**

The LED ring surrounding the source input button on the top of the unit will be illuminated in blue when connected to a source that is outputting a video / audio stream. When switching, the LED ring will turn red whilst the unit establishes a new connection from the next available source device connected.

To help with identification of the source device or input during switching, the LED ring will blink a number of times to communicate the new source input being passed to the HDMI output:

- 1 Blink - USB-C
- 2 Blinks - HDMI
- 3 Blinks - Mini DisplayPort™

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## Specifications

- **Video Input Connectors:** 1 x HDMI Type A, 19-pin, female; 1 x USB-C Type C, female; 1 x Mini DisplayPort™, female
- **Video Output Connectors:** 1 x HDMI Type A, 19-pin, female
- **Local Power Input:** 1 x Micro USB, female
- **Casing Dimensions (Dia x H):** 105mm x 25mm
- **Shipping Weight:** 0.6kg
- **Operating Temperature:** 32°F to 104°F (-5°C to +55°C)
- **Storage Temperature:** -4°F to 140°F (-25°C to +70°C)
- **Power Supply:** 5V/1A DC USB

*NOTE: Specifications are subject to change without notice. Weights and dimensions are approximate.*

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## Package Contents

### MFP31

- 1 x MFP31
- 1 x 5V/1A USB Power Supply
- 1 x USB to Micro-USB Charging Cable
- 1 x Quick Reference Guide

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## Acknowledgements

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BLUSTREAM

Example Schematic  
MFP31

