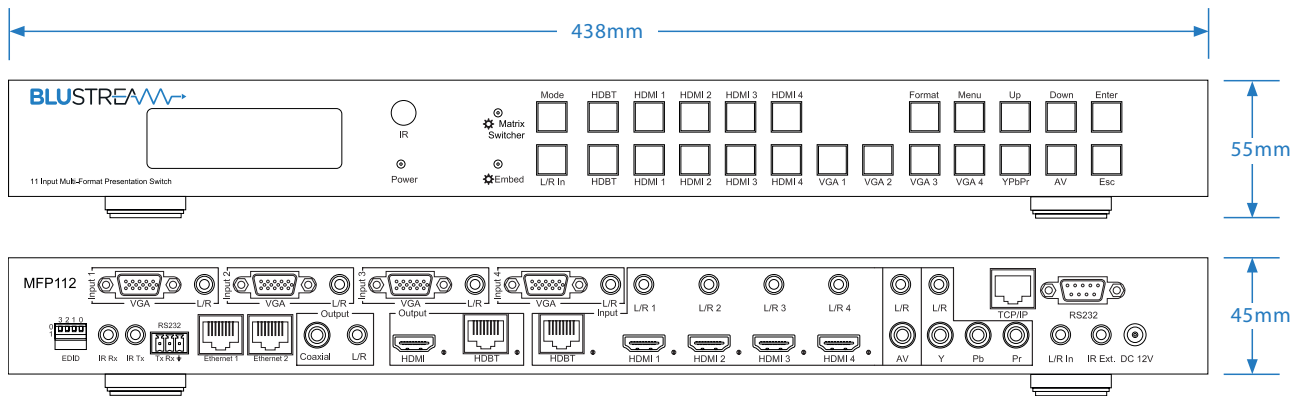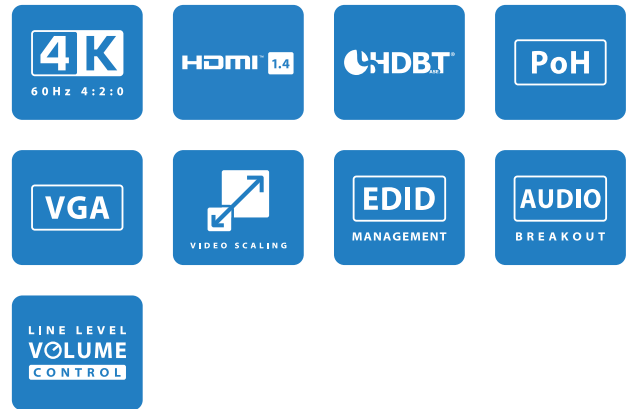# MFP112

11 x Input Multi Format Presentation Switch

Description

Our MFP112 is a multi-format presentation switcher within built video scaling, audio embedding, de-embedding, EDID management and HDBaseT™ input and output. The MFP112 works in 2 modes, first as a 11 input dual output switcher, alternatively each output can work independently with HDMI output 1 routing the 1x HDBaseT™ & 4 x HDMI inputs only and output 2 switching all 11 video & audio inputs. With control of the switcher using the front-panel push buttons, IR remote control or RS-232 interface it is an ideal solution for commercial installations.

4K 60Hz 4:2:0   **HDMI 1.4**   **HDBT**   **PoH**

VGA   **VIDEO SCALING**   **EDID MANAGEMENT**   **AUDIO BREAKOUT**

LINE LEVEL VOLUME CONTROL

438mm — 55mm — 45mm

Key Features

- Switcher can function in 2 modes:
  - Splitter mode - Both HDMI output 1 & HDBaseT™ output 2 display the same selected input.
  - Matrix Switcher mode - HDMI inputs are independently switchable to HDMI output 1 & HDBaseT™ output 2. HDMI output 1 has access to HDBaseT™ input & HDMI inputs 1-4 ONLY (HDMI signal pass-through including 4K resolution), whilst HDBaseT™ output 2 has access to all HDMI, HDBaseT™ and analogue video inputs with associated audio.

- HDBaseT™ output (output 2) for distribution of video sources up to 100m (4K up to 70m) with bi-directional IR, RS-232, LAN serving and EDID management.

- HDBaseT™ input for integration of remote HDMI sources up to 100m distance (4K up to 70m) with bi-directional IR and LAN serving

- Built-in video scaling, both up-scaling (maximum of 1080p) and down-scaling capabilities (including 4K to lower resolutions).

- Video inputs support all industry standard video resolutions including VGA-WUXGA and 480i-4K.

- Scaled video output resolutions include 720p, 1080p, 1280x1024, 1024x768, 1360x768, 1440,900, 1680x1050

- Audio embedding - independent analogue L/R audio input can be embedded to HDMI / HDBaseT™ outputs & analogue L/R audio and Coaxial digital outputs concurrently (feature available on HDMI / HDBaseT™ outputs 1 & 2 in Splitter mode and HDBaseT™ output 2 only in Matrix Switcher mode).

- HDMI audio breakout to analogue L/R audio and coaxial digital outputs concurrently (linked to output 2 when in Matrix Switcher mode)

- Volume control of HDMI, line level analogue L/R audio and coaxial digital outputs

- PoH to compatible Blustream Transmitters & Receivers (local power required when using HEX100ARC-RX)

- Supports all known HDMI audio formats on HDMI pass-through, including Dolby TrueHD, Dolby Atmos, Dolby Digital Plus and DTS-HD Master audio transmission

- Front panel display for status feedback

- Control via front panel, IR, RS-232 and TCP/IP

- 3rd Party drivers available for major control brands

- Advanced EDID management

- HDCP 1.4 compliant

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HDMI   HDBT   DOLBY

Connectivity

- **Audio Input Connectors:** 11 x Analogue audio 3.5mm stereo jack
- **Audio Output Connectors:** 1 x Analogue audio 3.5mm stereo jack, 1 x S/PDIF Coaxial digital
- **Video Input Connectors:** 4 x HDMI Type A, 1 x HDBaseT™ RJ45 connector, 4 x VGA, 1 x Composite, 1 x Component (YPbPr)
- **Video Output Connectors:** 1 x HDMI Type A, 1 x HDBaseT™ RJ45 connector
- **RS-232 serial port:** DB-9 connector (Matrix control), 1 x 3-pin Phoenix connector for RS232 pass-through
- **IR Input ports:** 2 x 3.5mm stereo jack
- **IR Output ports:** 2 x 3.5mm mono jack

Specifications

- **Shipping Weight:** 1.5kg
- **Operating Temperature:** 32°F to 104°F (0°C to 40°C)
- **Storage Temperature :** -4°F to 140°F (-20°C to 60°C)
- **Dimensions (W x H x D):** 438mm x 45mm x 225mm

Included Accessories

IR Accessories	4 x IRR, 3 x IRE, 1 x IRCAB
IR Remote	1 x REM112
Rack Mount	2 x 19" Wings
Power Supply	12V/5A DC screw connector

Control

TCP/IP
RS-232
IR
Front Panel

RS-232 Connectivity

Baud Rate:	57600
Data Bit:	8-Bit
Parity:	None
Stop Bit:	1-Bit
Flow Control:	None

Compatible Transmitters

HEX70B-TX
HEX70ED-TX-V2
HEX100ARC-TX-V2
HEX100HDVGA-TX

Compatible Receivers

HEX70B-RX
HEX70ED-RX
HEX100ARC-RX-V2
HEX100HDVGA-RX
RX70AMP

Regulatory Compliance

FC   CE   RoHS Compliant   CAN ICES-3 (B)/NMB-3(B)

Blustream cannot be held responsible for errors in typography or photography. Specifications are subject to change without notice.

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HDMI   HDBT   DOLBY