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# 4K Interface & Connectivity products

**m**ilestone PRO  
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# BYOD and Codec

# Multi-format Presentation Switcher

## MP – B Y O D (Bring Your Own Device)



MP-BYOD is an HDMI 2.0 3x1 Multi-format presentation Switcher converting AV signal from HDMI, Mini DP and USB-C inputs to HDMI output. It is a **green low energy consumption product** which has a various application in different places, such as classroom, small meeting room, lecture hall, huddle rooms etc.

### Applications:

This unit can cater to any classroom, small meeting room, lecture hall, etc..

### Compatibility :

Supports HDMI, Mini DP and USB-C input signals to be converted to HDMI signals, Supports HDMI input and **output video resolutions up to 4K@60Hz 4:4:4 HDR and Dolby Vision.**, Supports Mini DP and USB-C input video resolution up to 4K@30Hz 4:4:4. Auto-detects the input signal, the last connected signal source will be switched to the output automatically.



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### Features:

- Starts to scan from HDMI to USB-C and switch the first detected source to output.
- Supports HDMI up to 4K@60Hz 4:4:4 HDR and Dolby Vision.
- HDCP 2.2 compliant.
- Powered via USB-A from display end.
- LED for power indicating.

### Inputs:

- 1 x HDMI (Type A)
- 1 x Mini DP
- 1 x Type-C USB

### Output:

- 1 x Type-A HDMI
- 1 x Type-A USB

### Power:

- Powered via USB-A from display end.

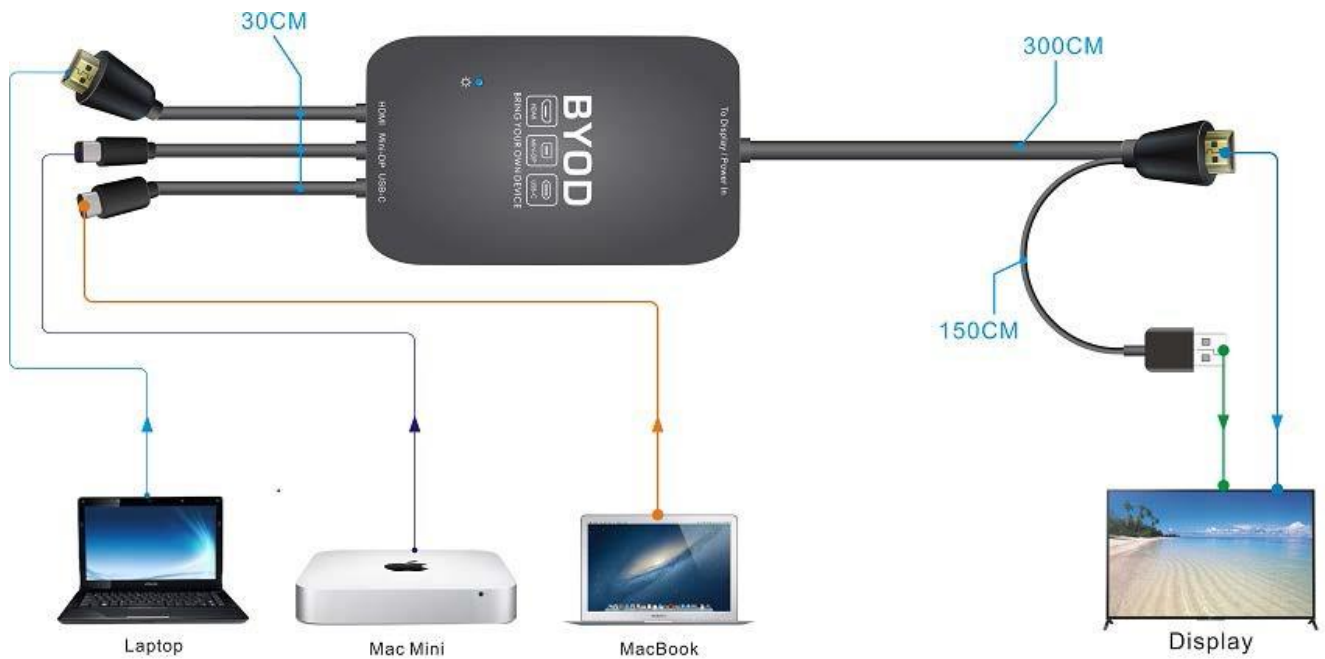
### Size:

- (H/W/D) = 135mm x 83mm x 20mm

### Packing:

- 1\* MP-BYOD
- 1\* Operating manual

## Connectivity Diagram:



## Applicable Product line

### Models:

- MP-SC-21** (Scaler Switcher with 2 inputs: 1xHDMI, 1xVGA, Auto, 4K, 70m, 1xHDBT output, POH, HDMI 1.4)
- MP-SC-41** (Scaler Switcher with 4 inputs: 2xHDMI 1.4, 1xDP, 1xVGA, Auto, 4K, 1xHDMI output)
- MP-5TDS** (Scaler Switcher Seamless 5x1: 3xHDMI, 1xVGA, 1xDP, GUI, 1x3-level MIC, 1xHDMI & 1xHDBT O/P)
- MP-SC-9T** (Scaler Switcher 9x1: 5xHDMI, 1xHDBT, 1xDP, 2xVGA I/P & O/P 1xHDMI, 1xHDBT, HDMI1.4, HDCP2.2)
- MP-SC-21CODEC** (1HDMI, USB-C, 1Type-A female HDMI, 1Type-C USB to 1HDMI, Type-A female HDMI)
- MP-SC-41BYOD** (1AirPlay/Miracast, 2HDMI, 1USB-C to 1HDMI output)

# 2x1 Presentation Codec Switcher

## MP-SC-21CODEC



This is a 2x1 HDMI2.0 Presentation Codec Switcher. It is designed to switch HDMI input or USB-C input to one HDMI output. It supports stereo and multi channel audio on the HDMI inputs. In addition to the audio embedded in the HDMI output stream, the audio is simultaneously de-embedded to a balanced analog audio output. It also supports device extension by providing one type-B USB port for host connection, and two type-A USB ports for HID devices such as camera, microphone, keyboard etc.

### Applications:

This unit can cater to any classroom, small meeting room, lecture hall, etc..

### Compatibility :

18G 2x1 switcher with HDMI and USB-C input, Peripheral units (e.g. microphone and camera) can be connected by type-A USB(USB3.0/2.0) ports and automatically switched along with HDMI and USB-C input as USB DEVICES for corresponding HOST. Provides charging on USB-C port up to 40W, Provides USB data (USB 3.0/2.0) and 4K video transmission on USB-C port, Balanced analog audio for audio de-embedding. Front panel buttons trigger both CEC and RS232 commands for display control.(ON, OFF, MUTE, VOL+, VOL -).



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### Features:

- Smart EDID management
- Bandwidth 18G
- Supports automatic switching
- Supports HDMI 2.0, 4Kx2K@60Hz 4:4:4
- Supports HDR 10, Dolby Vision, HDCP 2.2
- Controllable via front panel buttons and RS232

### Inputs:

- 1 x HDMI, 1 x USB-C

### Output:

- 1 x HDMI, 1x AUDIO OUT

### Power:

- Input: AC 100~240V, 50/60Hz, Output: 24V DC 2.71A

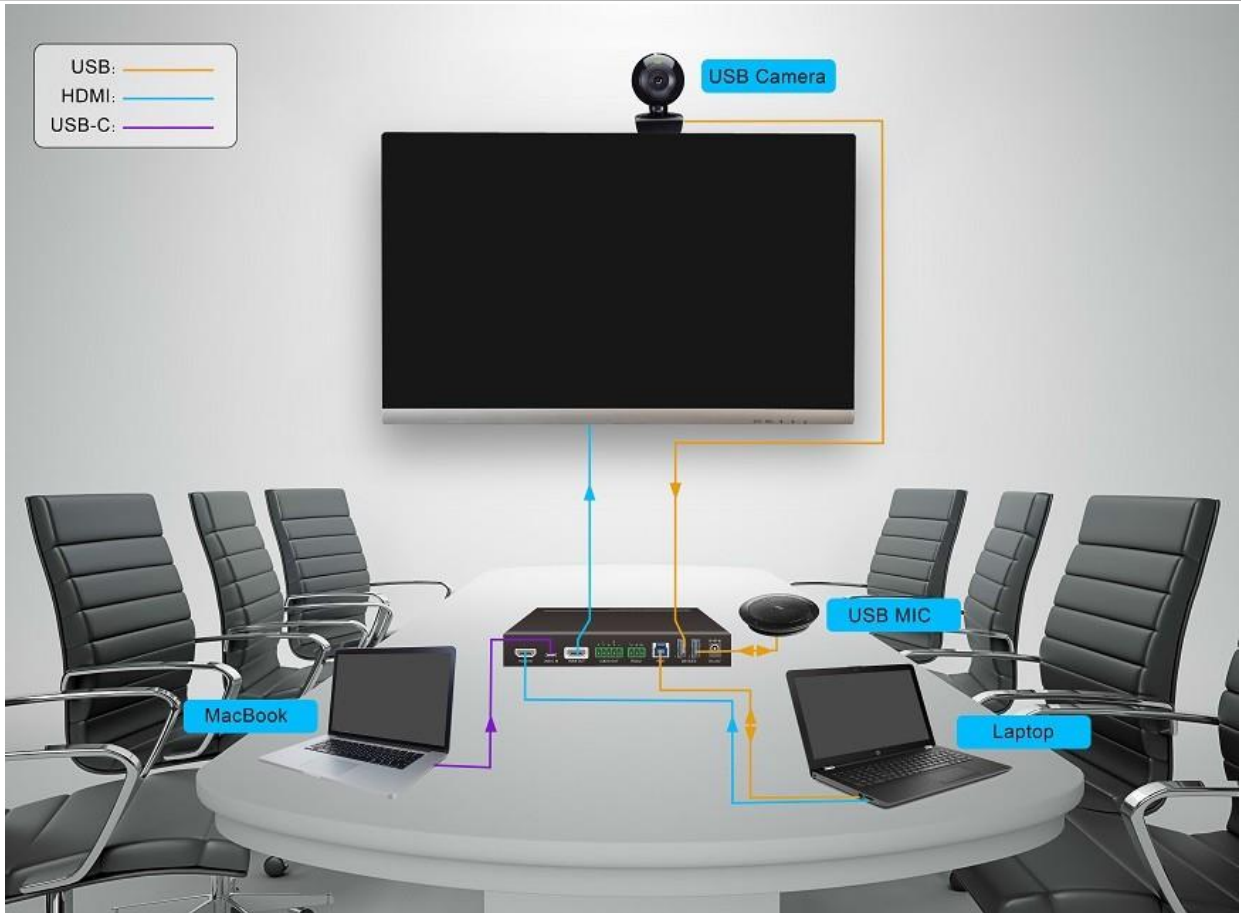
### Size:

- (H/W/D) = 168.0mm x 24.5mm x 95.0mm

### Packing:

- 1\* MP-SC-21CODEC 18G
- 2\* Mounting Ears with 4 Screws
- 4\* Plastic Cushions
- 1\* 5-pin Terminal Block
- 1\* RS232 Cable (3-pin terminal block to DB9)
- 1\* Power Cord
- 1\* Power Adapter (24V DC, 2.71A)
- 1\* User Manual

## Connectivity Diagram:



## Applicable Product line

### Models:

- MP-SC-21** (Scaler Switcher with 2 inputs: 1xHDMI, 1xVGA, Auto, 4K, 70m, 1xHDBT output, POH, HDMI 1.4)
- MP-SC-41** (Scaler Switcher with 4 inputs: 2xHDMI 1.4, 1xDP, 1xVGA, Auto, 4K, 1xHDMI output)
- MP-5TDS** (Scaler Switcher Seamless 5x1: 3xHDMI, 1xVGA, 1xDP, GUI, 1x3-level MIC, 1xHDMI & 1xHDBT O/P)
- MP-SC-9T** (Scaler Switcher 9x1: 5xHDMI, 1xHDBT, 1xDP, 2xVGA I/P & O/P 1xHDMI, 1xHDBT, HDMI1.4, HDCP2.2)
- MP-BYOD** (1HDMI, 1MINI DP, 1 Type-C USB to 1HDMI, 1 A-USB)
- MP-SC-41BYOD** (1AirPlay/Miracast, 2HDMI, 1USB-C to 1HDMI output)

# 4 x 1 Presentation Switcher

## MP – SC- 41BYOD



MP-SC-41BYOD is 18G 4x1 Presentation Switcher. It is designed with one wireless Miracast input, two HDMI inputs, one USB-C input and one HDMI output. It supports HDMI de-embedding. It also supports device extension by providing two type-B USB ports for host connection, and two type-A USB ports for USB devices such as camera, microphone, keyboard etc. It features multiple methods of control.

### Applications:

This unit can cater to any classroom, small meeting room, lecture hall, etc..

### Compatibility:

18G 4x1 presentation switcher with soft codec & wireless BYOD, Supports HDMI2.0b, 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision and HDCP2.2, Wireless BYOD (Bring Your Own Device) capability via Air Play and Miracast, Provide up to 60w charging, USB data (USB3.0/2.0) and 4K video transmission on USB-C port, Provide up to 60w charging, USB data(USB 3.0/2.0) and 4K video transmission on USB-C port.

### Features:

- HDMI output audio can be de-embedded out via balanced analog audio port.
- Supports video source auto-switching.
- Smart EDID management.
- Front panel buttons trigger both CEC and RS232 commands for display control.

### Inputs:

- 2 x HDMI (Type A)
- 1 x Air Play/Miracast,
- 1 x Type-C USB

### Output:

- 1 x Type-A HDMI

### Power:

- Input: AC 100~240V, 50/60Hz; Output: 24V DC 5A.

### Size:

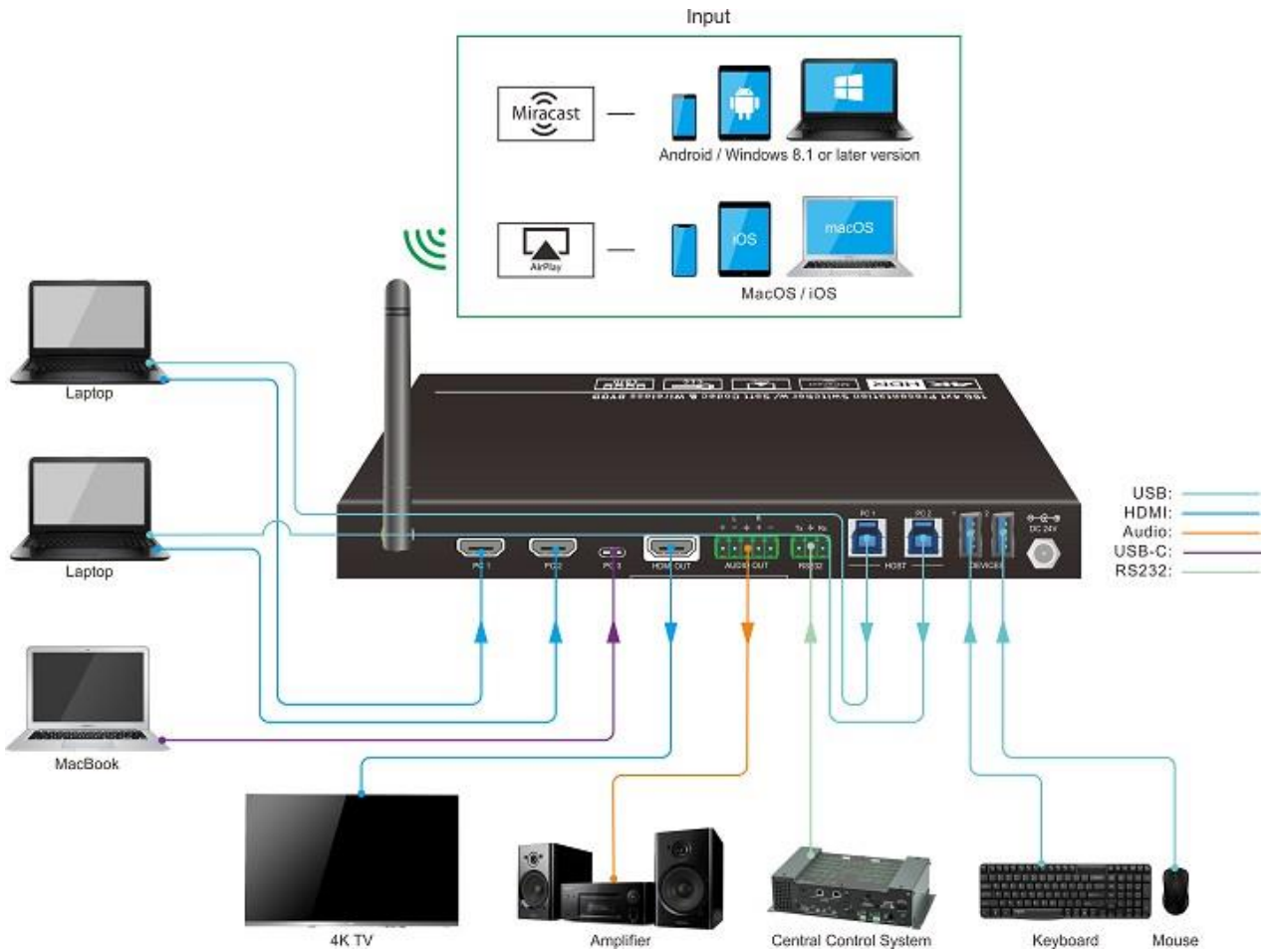
- (H/W/D) = 238mm x 24.5mm x 135mm

### Packing:

- 1\* MP-SC-41BYOD
- 2\* Mounting Ears with 4 Screws
- 4\* Plastic Cushions
- 1\* 5-pin Terminal Block
- 1\* RS232 Cable (3-pin terminal block to DB9)
- 1\* Extra Antenna
- 1\* Power Adapter (24V DC, 5A)
- 1\* User Manual



## Connectivity Diagram:



## Applicable Product line

### Models:

- MP-SC-21** (Scaler Switcher with 2 inputs: 1xHDMI, 1xVGA, Auto, 4K, 70m, 1xHDBT output, POH, HDMI 1.4)
- MP-SC-41** (Scaler Switcher with 4 inputs: 2xHDMI 1.4, 1xDP, 1xVGA, Auto, 4K, 1xHDMI output)
- MP-5TDS** (Scaler Switcher Seamless 5x1: 3xHDMI, 1xVGA, 1xDP, GUI, 1x3-level MIC, 1xHDMI & 1xHDBT O/P)
- MP-SC-9T** (Scaler Switcher 9x1: 5xHDMI, 1xHDBT, 1xDP, 2xVGA I/P & O/P 1xHDMI, 1xHDBT, HDMI1.4, HDCP2.2)
- MP-BYOD** (1HDMI, 1MINI DP, 1 Type-C USB to 1HDMI, 1 A-USB)
- MP-SC-21CODEC** (1HDMI, USB-C, 1Type-A female HDMI, 1Type-C USB to 1HDMI, Type-A female HDMI)