



Powering and Connecting Your World

APPLICATION GUIDE

Multi-Format Matrix Switch/Splitter for Interactive Installations



Share content from multiple sources with different formats in environments like connected classrooms and interactive meeting rooms.

Connect up to 9 Sources and 2 HDMI Displays

Share video output and stereo audio, including true 4K (4096 x 2160) @ 60 Hz, from up to nine video source devices to two displays, even in different rooms. This presentation matrix switch is ideal for classrooms and lecture halls, conference and meeting rooms, bars, restaurants, exhibition centers and trade show displays.

Source devices can be digital or analog, high-definition or standard-definition, including computers, laptops, media servers, Blu-ray™ players or cable/satellite boxes. Switch seamlessly between the connected sources using the buttons built into the front of the unit, the included IR remote or an RS-232 controller.

Feature Focus

B300-9X2-4K, Front Panel



A Display Selection Buttons

Provide flexibility in transmitting the same video to both displays, different video to each display or composite picture-in-picture images.

B Source Selection Buttons

Include six HDMI inputs, plus one each for VGA + Audio, DisplayPort and Component Video for content-rich presentations.

C Source Indicator LEDs

Indicate which Source device controls the connected keyboard, mouse and USB drives.

D Function Buttons

Fingertip control for display mode settings, system settings, audio output and preview mode.

E Navigation Buttons

Provide easy control of the on-screen display settings.

F Standby Button

Simply press to enable Standby mode.

B300-9X2-4K, Rear Panel



G Source 1 Port

Combo port accepts two source devices: VGA + Audio, HDMI.

H Source 2 Port

Combo port accepts two source devices: DisplayPort, HDMI.

I Source 3 Port

Combo port accepts two source devices: RCA Video + Audio, Component Video, HDMI.

J HDMI Ports

Connect up to three HDMI source devices.

K Analog Audio Output

Connect speakers.

L Digital Audio Output

Connect speakers via the Optical or Digital Coaxial Audio Out port.

M HDMI Display Ports

Connect up to two HDMI displays.

N USB Ports

Easy connections for a mouse and keyboard, plus other USB devices such as flash drives.

O IR Receiver Port

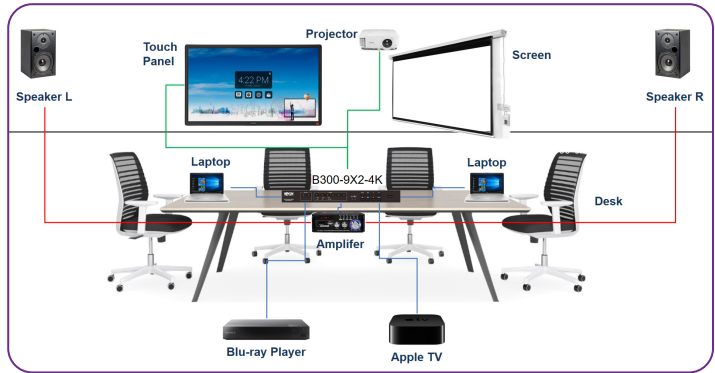
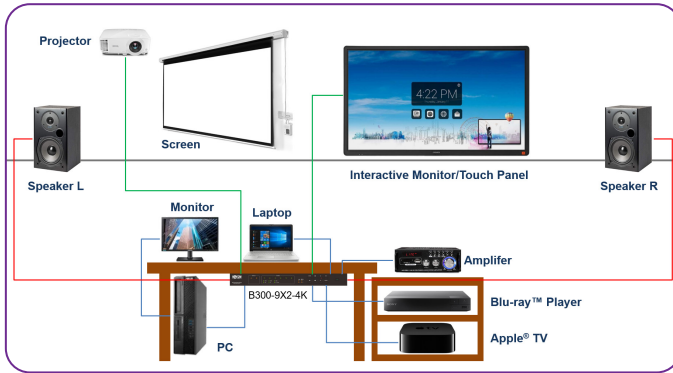
Connect the included IR Receiver Cable for convenient remote control.

P RS-232 Serial Port

Connect a hardware or software controller to transmit serial data.

Typical Applications

These examples show typical components in a connected classroom or an interactive meeting room.



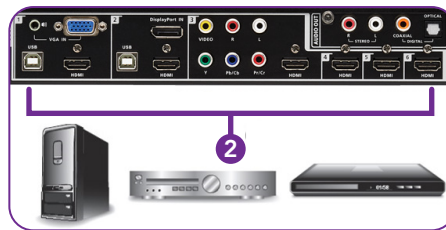
Easy Installation

Follow these easy steps to connect the components to the switch for dynamic interactive presentations in just minutes:

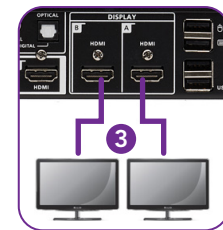


- 1** Connect one end of a grounding wire to the grounding terminal and the other end to a suitable grounded object.

Note: Do not omit this step. Proper grounding helps prevent damage to the unit from surges or static electricity.



- 2** Connect the source devices. You can connect sources of different interfaces to each combo port of Sources 1, 2 and 3.



- 3** Using HDMI cables, connect HDMI displays to the HDMI ports.

Note: If connecting only one display, connect it to the Display A port.



- 4** Connect audio devices to the Stereo or Digital Audio Out ports.



- 5** Connect a keyboard and mouse to the USB-A ports to access Source 1 or Source 2 computers.



- 6** Connect USB peripherals to the USB Type-A ports.



- 7** To configure the unit's settings via an RS-232 interface, connect the unit to a hardware or software controller.



- 8** Connect the IR Receiver to the IR Receiver port.



- 9** Plug in the power cord and toggle the power switch to ON.

- 10** Power on all connected devices.

Learn more about Tripp Lite's full line of connectivity products at tripplite.com.



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