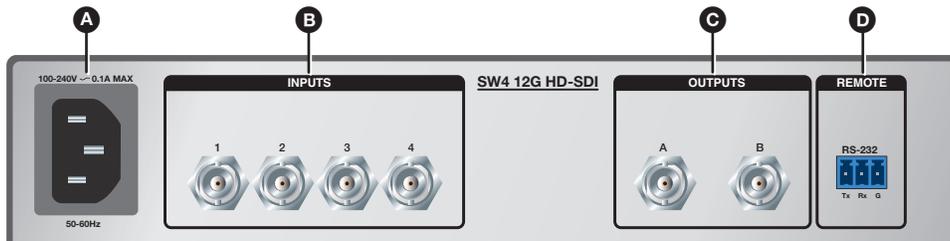


IMPORTANT:
Go to www.extron.com for the complete user guide, installation instructions, and specifications before connecting the product to the power source.

The Extron SW4 12G HD-SDI is a four-input, two-output multi-rate 12G-SDI switcher that is capable of supporting multi-rate SDI. It switches SMPTE SDI video, embedded audio, and ancillary data among four source devices and delivers duplicate output signals to a pair of SDI displays or peripheral devices. The SW4 12G HD-SDI supports video resolutions up to 4K @ 60 Hz and data rates up to 11.88 Gbps, including 3G-SDI, HD-SDI, and SDI. It features automatic input cable equalization and output reclocking to ensure signal integrity over long cable runs. The SW4 12G HD-SDI has front panel, RS-232, USB, and auto-input switching control options.

NOTE: For full installation, configuration, menus, connector wiring, and operation details, see the *SW4 12G HD-SDI User Guide* at www.extron.com.

Rear Panel Features



- A** AC power connector
- B** Input connectors
- C** Output connectors
- D** RS-232 control connector

Figure 1. Rear Panel

Installation

- Turn off all of the equipment and disconnect it from the power source.
- (Optional) Mount the switcher on top of a flat surface using the provided rubber feet, under a table using an optional under-desk mounting kit, or to a rack shelf using an optional rack shelf-mounting kit (kits are available at www.extron.com).
- Connect up to four SDI, HD-SDI, or 3G-SDI video inputs to BNC input connectors 1 through 4 (see figure 1, **B**).

NOTE: Each input is equalized regardless of the rate.

- Connect one or two video SDI, HD-SDI, or 3G-SDI output devices to the rear panel female BNC buffered output connectors (**C**).

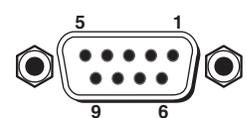
NOTE: Mirrored outputs 1 and 2 output identical signals.

- If the switcher will be connected to a computer or host controller for remote configuration and control, do either of the following:
 - Wire the provided 3-pole captive screw connector to an RS-232 cable. Connect the RS-232 cable to the RS-232 port on the rear panel of the switcher and to the host RS-232 port (see the illustration at right). Protocol for the RS-232 port is **9600 baud, 8 data bits, 1 stop bit, no parity**.
 - Connect a USB A to mini B cable from the computer to the front panel USB Config port (see figure 2, **B**, on the next page).
- Power on the input and output devices, then connect power to the switcher by connecting the provided IEC power cord to the switcher power connector (see figure 1, **A**) and to an AC outlet.

Switcher



Computer



DB9 connector (female)
pinout to control equipment

Pin	RS-232	Function
1	—	—
2	Rx	Receive data (+)
3	Tx	Transmit data (-)
4	—	—
5	Gnd	Signal ground
6	—	—
7	—	—
8	—	—
9	—	—

