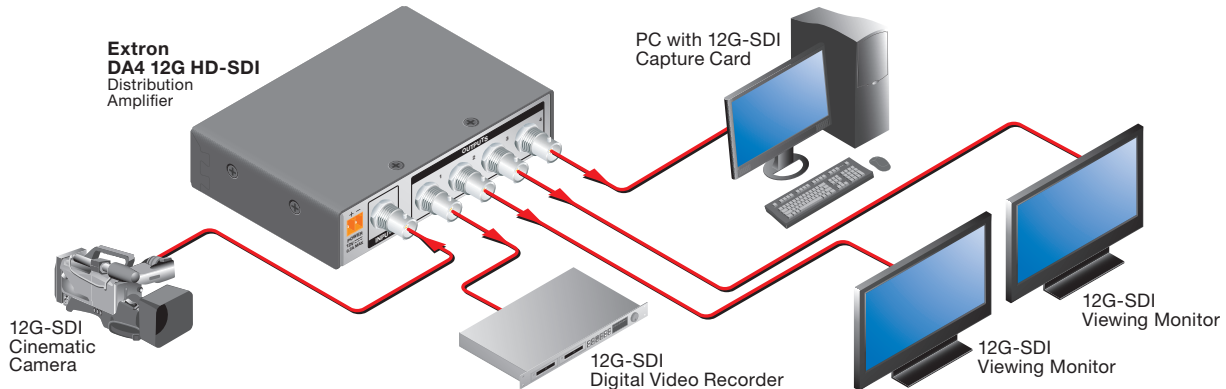


Overview

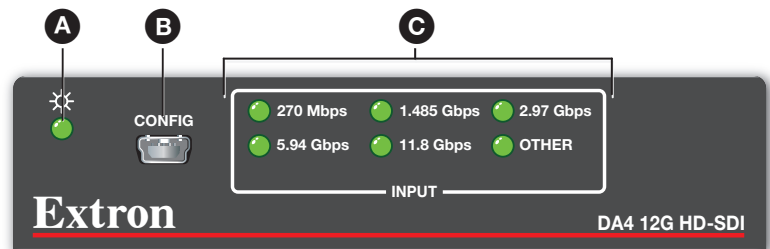
The DA4 12G HD-SDI is a one input, four output distribution amplifier (DA) for multi-rate SDI. The DA distributes an SDI video signal with embedded audio, closed caption, and time code to up to four simultaneous outputs. It is capable of handling rates from 270 Mbps to 11.88 Gbps data rate. The DA also features automatic cable equalization and output signal re-clocking to compensate for signal degradation in long cable runs.

This guide provides quick start instructions for an experienced installer to setup and operate the DA4 12G HD-SDI distribution amplifier. For complete instructions, see the *DA4 12G HD-SDI User Guide* at www.extron.com.



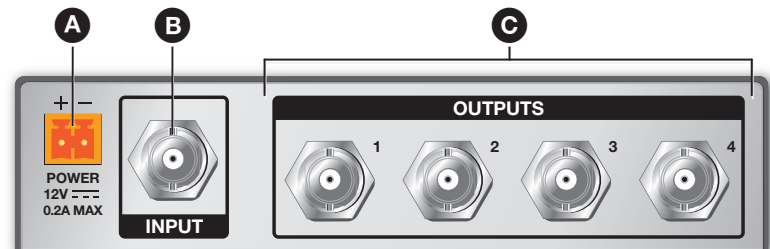
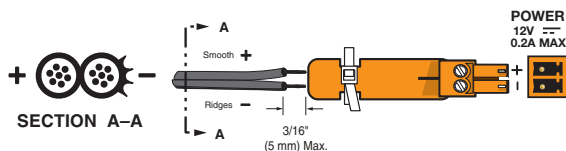
Front Panel

- A Power status LED** — This LED lights green when power is applied to the unit.
- B USB Config port** — Connect a USB A to mini-B cable between your computer and this female USB mini-B port to configure and control the distribution amplifier via SIS commands and to update the firmware.
- C Input data rate LEDs** — These LEDs light green to indicate the data rate of the input signal.



Rear Panel

- A Power inlet** — Connect the IEC power cord between the included 12 VDC power supply and a 100-240 VAC, 50-60 Hz source. Connect the power supply to this power inlet using the provided 3.5 mm, 2-pole captive screw connector (see image below to wire the connector).



ATTENTION:

- **Do not** connect power to the device until you have read the **CAUTION and ATTENTION** notices on the next page.
- Ne branchez pas l'alimentation au l'appareil avant d'avoir lu les mises en garde « **CAUTION** » et « **ATTENTION** » aux page 2.

- B SDI Input** — Connect an SDI source device to this female BNC connector.
- C SDI Outputs** — Connect up to four SDI sink devices to these four female BNC connectors.

Installation

1. Mount the DA4 12G HD-SDI in a suitable location.

The unit can be placed on a table top or, with the appropriate kit, mounted on a rack, or mounted under or through furniture. Follow the instructions provided with the kit.

2. Connect the source device to the SDI input of the distribution amplifier. The DA4 12G HD-SDI equalizes the input signal and outputs the buffered and reclocked data rate the following distances:

- Up to 70 meters (230 feet) at 11.88 Gbps
- Up to 90 meters (295 feet) at 5.94 Gbps
- Up to 180 meters (590 feet) at 2.970 Gbps
- Up to 240 meters (787 feet) at 1.485 Gbps
- Up to 300 meters (984 feet) at 270 Mbps

NOTE: Transmission distances vary depending on the signal resolution, type of cable, source, and display used in the system.

3. Connect up to four display devices to the BNC outputs of the distribution amplifier.
4. Connect a power supply to the 2-pole captive screw inlet.

After all devices are powered up, the system is fully operational. If any problems are encountered, verify that the cables are routed and connected properly. If your problems persist, call the Extron Sales & Technical Support Hotline closest to you, available at www.extron.com.

CAUTION: The two power cord wires must be kept separate while the power supply is plugged in. Remove power before wiring.

ATTENTION : Les deux cordons d'alimentation doivent être tenus à l'écart l'un de l'autre quand l'alimentation est branchée. Coupez l'alimentation avant d'effectuer tout raccordement.

ATTENTION:

- Always use a power supply supplied and or specified by Extron. Use of an unauthorized power supply voids all regulatory compliance certification and may cause damage to the supply and the end product.
- Utilisez toujours une source d'alimentation fournie ou recommandée par Extron. L'utilisation d'une source d'alimentation non autorisée annule toute certification de conformité réglementaire, et peut endommager la source d'alimentation et l'unité.
- If not provided with a power supply, this product is intended to be supplied by a UL Listed power source marked "Class 2" or "LPS" and rated output 12Vdc, minimum 0.5 A minimum.
- Si le produit n'est pas fourni avec une source d'alimentation, il doit être alimenté par une source d'alimentation certifiée UL de classe 2 ou LPS, avec une tension nominale 12 Vcc, 0,5 A minimum.
- The installation must always be in accordance with the applicable provisions of National Electrical Code ANSI/NFPA 70, article 725 and the Canadian Electrical Code part 1, section 16. The power supply shall not be permanently fixed to building structure or similar structure.
- Cette installation doit toujours être conforme aux dispositions applicables du Code américain de l'électricité (National Electrical Code) ANSI/NFPA 70, article 725, et du Code canadien de l'électricité, partie 1, section 16. La source d'alimentation ne devra pas être fixée de façon permanente à la structure de bâtiment ou à d'autres structures similaires.
- Power supply voltage polarity is critical. Incorrect voltage polarity can damage the power supply and the unit. The ridges on the side of the cord identify the power cord negative lead. To verify the polarity before connection, plug in the power supply with no load and check the output with a voltmeter.
- La polarité de la source d'alimentation est primordiale. Une polarité incorrecte pourrait endommager la source d'alimentation et l'unité. Les stries sur le côté du cordon permettent de repérer le pôle négatif du cordon d'alimentation. Pour vérifier la polarité avant la connexion, brancher l'alimentation hors charge et mesurer sa sortie avec un voltmètre.
- The length of the exposed wires is important. The ideal length is 3/16 inch (5 mm). Any longer and the exposed wires may touch, causing a short circuit between them. Any shorter and the wires can be easily pulled out even if tightly fastened by the captive screws.
- La longueur des câbles exposés est primordiale lorsque l'on entreprend de les dénuder. La longueur idéale est de 5 mm (3/16 inches). S'ils sont trop longs, les câbles exposés pourraient se toucher et provoquer un court-circuit. S'ils sont trop courts, ils peuvent être tirés facilement, même s'ils sont correctement serrés par les borniers à vis.
- Unless otherwise stated, the AC/DC adapters are not suitable for use in air handling spaces or in wall cavities.
- Sauf mention contraire, les adaptateurs CA/CC ne conviennent pas à une utilisation dans les espaces d'aération ou dans les cavités murales.
- Remote power is intended for indoors use only. No part of a network that uses remote power can be routed outdoors.
- L'alimentation à distance est exclusivement réservée à un usage en intérieur. Un réseau utilisant une alimentation à distance ne peut pas être routé en extérieur.

For information on safety guidelines, regulatory compliances, EMI/EMF compatibility, accessibility, and related topics, see the [Extron Safety and Regulatory Compliance Guide](#) on the Extron website.