Extron

DA4 HD 8K L and DA6 HD 4K L • Setup Guide

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

This guide provides basic instructions for an experienced technician to install the DA HD 8K L distribution amplifiers.

Overview

The Extron DA4 HD 8K L and DA6 HD 8K L distribution amplifiers distribute one HDMI input signal to four or six outputs simultaneously at resolutions up to 8K @ 30 Hz 4:4:4 or 8K @ 60 Hz 4:2:0, and comply with HDMI 2.1 and HDCP 2.2. The DAs also feature EDID Minder® Plus, remote control and monitoring via Ethernet, USB, or RS-232, and discrete display control via CEC.

For complete instructions, see the *DA HD 8K L Series User Guide* at **www.extron.com**.
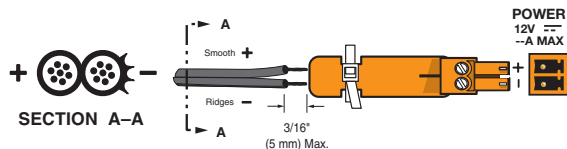
Front Panel

Ⓐ **Power status LED** — Lights when power is applied to the unit.

Ⓑ **USB-C Config port** — Connect a PC to this port to configure and monitor the DA via Simple Instruction Set™ (SIS™) or Product Configuration Software (PCS).

Ⓒ **Input LEDs** —
- **Signal LED** — Lights when a TMDS signal is detected on the HDMI input. If the source requires HDCP encryption, this LED may light only when HDCP is authenticated.
- **HDCP LED** — Lights when the source requires HDCP encryption and it has been authenticated with the HDMI input.

Ⓓ **Outputs LEDs** —
- **HDCP LEDs** — Light when HDCP is authenticated between a DA output and the corresponding sink device.
- **Signal LEDs** — Light when HPD is detected from the corresponding sink device and a TMDS signal is detected at the input.

Rear Panel

Ⓐ **Power input** — Connect the provided 12 VDC, 3.0 A power supply to this 2-pole 3.5 mm captive screw port (see the **power Attention and diagram** to wire the connector on page 2).
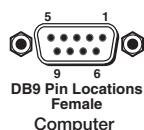
SECTION A–A

POWER
12V ⎓ —A MAX

Ⓑ HDMI input (see **Rear Panel** on page 1) — Connect a source device to this female HDMI type A input.

Ⓒ HDMI outputs — Connect up to four or six display devices to these female HDMI type A outputs.

Ⓓ Remote RS-232 port — Connect the provided 3-pole captive screw connector for SIS configuration, monitoring, and firmware updates (Pin 1 = Tx, Pin 2 = Rx, Pin 3 = Ground). Protocol: 9600 baud, 8 data bits, 1 stop bit, no parity.

Ⓔ LAN port — Connect to an Ethernet LAN or WAN via this RJ-45 port to control the DA from a remote location. When connected to an Ethernet LAN or WAN, the DA can be accessed and operated from a computer with a standard internet browser.

Ethernet connection indicators — The Link and Activity LEDs indicate the status of the Ethernet connection.

- **Green Link LED** — Indicates the distribution amplifier is properly connected to an Ethernet LAN. This LED lights steadily.
- **Amber Activity LED** — Indicates transmission of data packets on the RJ-45 port. This LED flickers as the distribution amplifier communicates.

Ⓕ Reset button — Use an Extron Tweeker or small screwdriver to press and hold the button while the DA is running or while powering up, for different reset levels.

- Press and hold the reset button while applying power to revert to factory default firmware for a single power cycle, but maintain IP settings.
- Press and hold the reset button for 3 seconds and again for <1 second within 1 second to reset the unit to factory settings.
- Press and hold the reset button for 6 seconds and again for <1 second after the LED blinks twice to reset all IP settings back to factory defaults.
- Press and hold reset button for 9 seconds and again for <1 second after the LED blinks 3 times to reset all settings to default except the firmware.
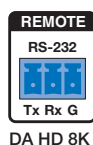
Installation

1. Mount the DA in a suitable location with one of the recommended mounting kits (see **www.extron.com** for mounting options). Follow the instructions provided with the mounting kit.

2. If required, connect a control PC to the USB-C Config port (see **Front Panel, Ⓑ** on page 1), Remote RS-232 port (see **Rear Panel, Ⓓ**, see the diagram below for wiring), or LAN port (**Ⓔ**, see the diagram below, right for wiring).

Pin	T568A Wire color	T568B Wire color
1	White-green	White-orange
2	Green	Orange
3	White-orange	White-green
4	Blue	Blue
5	White-blue	White-blue
6	Orange	Green
7	White-brown	White-brown
8	Brown	Brown

RJ-45 Connector

NOTE: Use PCS to configure EDID Minder, mute the video signal, mute the audio signal, adjust the video color bit depth, or monitor the signal and HDCP status (see the *DA HD 8K L Series Help File*).

3. Connect the display devices to the rear panel HDMI outputs (see **Rear Panel, Ⓒ**) and power them on.

4. Connect the source device to the rear panel HDMI input (**Ⓑ**).

NOTE: Use the LockIt® HDMI cable lacing brackets provided to secure the HDMI connectors.

5. Connect the provided 12 VDC, 3.0 A power supply to the 2-pole captive screw inlet (**Ⓐ**, see the diagram at the top of the page to wire the connector).

6. Power on the source device.

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.

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