# PAA40+
## Automation Adapter

## Smart Cinema Automation & Energy Control

CinemaNext's PAA40+ automation adapter brings smart control and real-time energy monitoring to cinema operations. With remote power cycling, energy usage reports, DALI lighting integration, and 20 customizable macros, it streamlines daily workflows and reduces operating costs. Designed for maximum efficiency, the PAA40+ helps cinema operators automate smarter, track energy consumption, and achieve a fast return on investment.

Converts network commands received from DCI servers, TMS, or other devices into contact closures.

PAA40+ outputs enable cinema equipment to control lighting, masking, 3D filters, emergency messages, and other auxiliary systems.
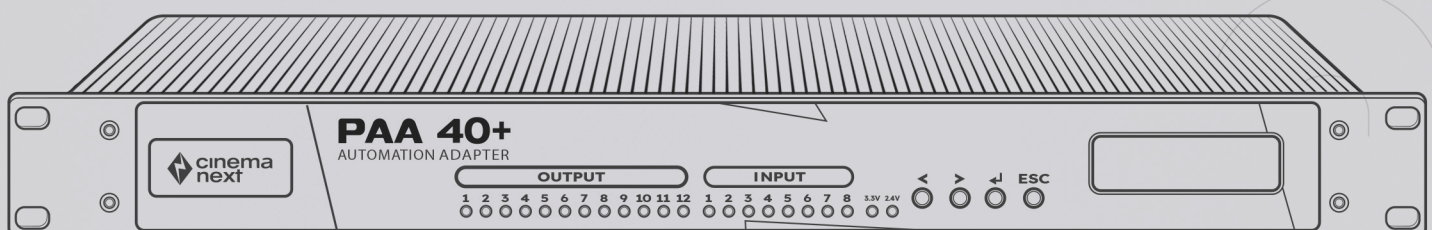
PAA40+ can receive commands from several devices at the same time (Multicast Receiver).

PAA40+ converts contact closures from servers, fire alarms, or control panels into network commands for DCI servers, projectors, sound processors, or any equipment.

Manages the power cycle of all equipment in a cinema booth, syncing it with the schedule (through TMS or server).

12 output relays, each capable of driving up to 16A at 250V/130V AC. Front panel LED indicators display the status of inputs and outputs and therefore the power supply.

Provides ENERGY METERING for 12 circuits up to 16A each with downloadable reports.

Features a DALI control port with DALI scene monitoring and triggering.

When connected to a DALI bus, the PAA40+ reads lighting scenes and makes them available for use in macros, or for manual triggering from TMS or DCI servers.

32 characters LCD display facilitates the labelling, testing, configuration and operation of the PAA40+.

cinema next

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# TECHNICAL FEATURES

- **Construction:** Industrial chassis, 1U 19" rack-mounting, connectors in rear panel.

- **Power Requirements:** 100-240 VAC, 50-60 Hz, 35W.

- **Dimensions and Weight:** 488 x 178 x 45 mm. (19.21" x 7.01" x 1.77"). 2.5 Kg ( 5.51 lbs).

- **Environmental Conditions:** 0-40°C ( 32-104 °F). 20-80% humidity (non condensing).

- **Warranty:** 1 year, parts and labor. Specifications subject to change without prior notice.

# REAR PANEL CONNECTIONS

- **General Purpose Inputs:** 8 optically isolated low-voltage inputs, 1 screw connector, 5V to 24V logic+. 24V DC output 200 mA max. for use with auxiliary input and output circuits.

- **General Purpose Outputs:** 12 relay outputs split into 6 screw connectors, with selectable NC or NO configuration. Each relay can switch and measure up to 16A.

- **DALI port for lighting control:** 2-wire screw terminal 0.5-1.5mm2.

- **Network Connection:** RJ-45 100Base-T.
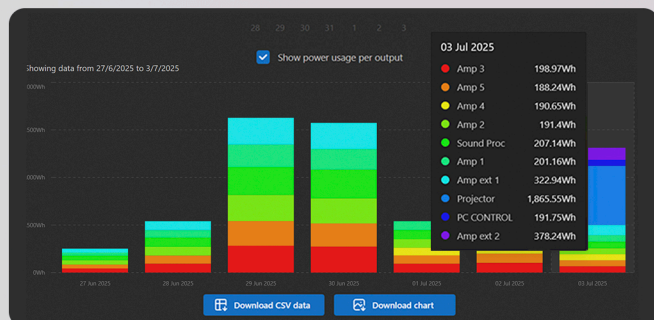
# ADVANCED FEATURES

- **Remote & scheduled power cycling** (following schedule from TMS or DCI server).

- **Switch and meter** 12 power circuits (up to 16A each).

- **Individual energy usage reports** per output (daily, weekly, monthly). Downloadable CSV files.

- **DALI** lighting control.

- **Wi-Fi & Access Point** mode for setup or fallback.

- **Log storage + RTC** for full traceability.

- Up to **20 custom macros**, 12 commands each, including outputs, inputs, or DALI scenes.

- **Plug-and-play retrofit** for your PAA20+ & Jnior.

- **Responsive**, mobile-friendly WebUI.

- **Multicast.** Capable of sending and receiving commands from multiple devices simultaneously.

- **Label** all outputs, inputs & DALI scenes.

- Firmware upgradable via WebUI.

# ACCESSORIES

- **Meter card per output (optional):** PAA40+ meter card to enable the power metering and reporting in individual and selectable outputs.

- **Power bypass cable for 2 devices or 1 device:** Power cables available to control & monitor 1 or 2 devices with 1 PAA40+ output.

- **Automation control panel:** Panel to control volume, play, pause, stop, lights, and formats.

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## WEBADMIN INTERFACE



## CONNECTION DIAGRAM



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