PAA20+
Automation Adapter

CinemaNext's PAA20+ automation adapter makes it easy to interface digital cinema playback equipment with existing cinema control systems for fully automated presentations.

PAA20+ converts control commands via Ethernet and RS-232 from DCI servers, TMS or other devices into contact closures. Input and output connections enable cinema equipment to control lighting, masking, 3D filters, emergency messages, and other auxiliary systems.
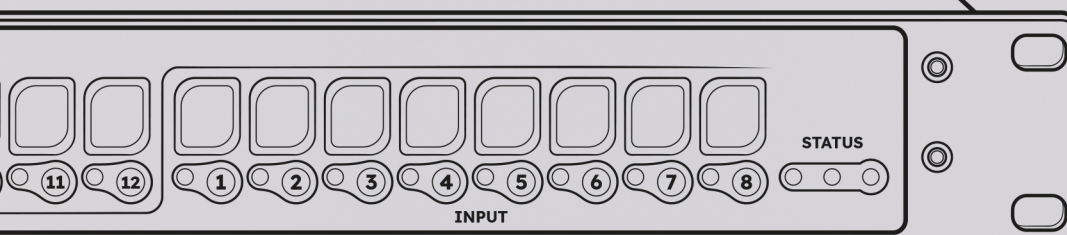
The PAA20+ features 12 configurable momentary/latching outputs and 8 inputs that can be used to trigger individual cues. Output relays operate at a maximum current of 10A 250VAC/30 VDC, and can be used to remotely switch main power circuits on and off. Front panel LED indicators are provided for all inputs and outputs, ensuring that system status is clearly visible. Push buttons also allow to test each input and output.

The unit is easy to install in a 19" rack mount. Rear panel connectors are provided to allow easy wiring. Fully configurable through a simple web interface. Valid for any other application not related to digital cinema.

STATUS

11 12 1 2 3 4 5 6 7 8

INPUT

TECHNICAL FEATURES

- **Construction:** Industrial chassis, 1 unit 19″ rack-mounting, connectors in the rear panel.

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

- **Dimensions and Weight:** 483 x 128.5 x 44 mm. (19.02″x5.06″ x1.73″). 2,5 Kg.

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

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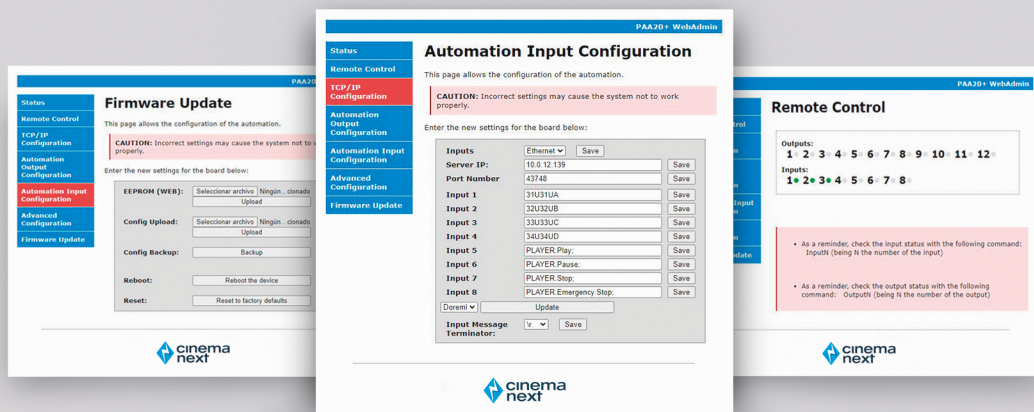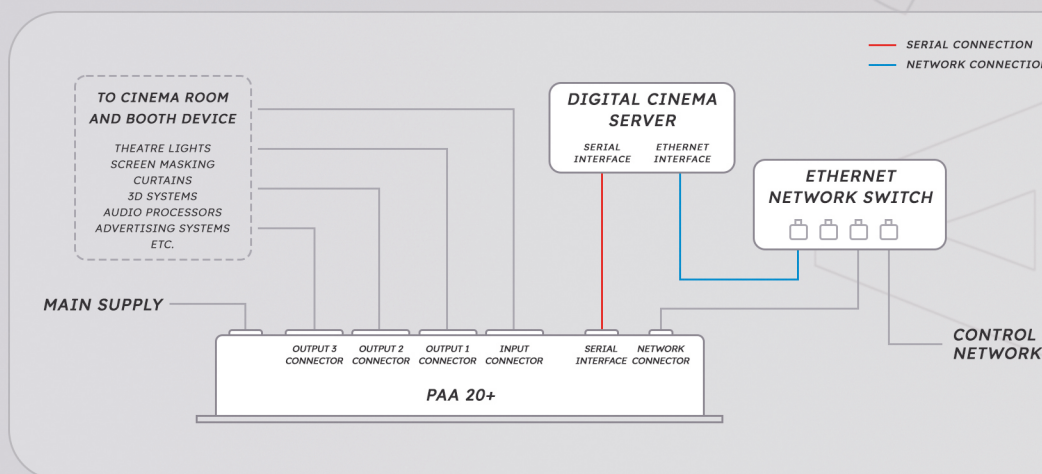
REAR PANEL CONNECTIONS

- **General Purpose Inputs:** 8 optoisolated low-voltage inputs, screw connectors, 24V logics.

- **General Purpose Outputs:** 12 configurable relay outputs, screw connectors, normally closed and normally open contacts 10A VDC max.

- **24V / 1A Output:** Usable for auxiliary input and output circuits.

- **RS232 Serial Port:** D-sub 9 female connector.

- **Network Connection:** RJ-45 10Base-T.

ADVANCED FEATURES

- **Fully configurable** using a simple web interface.

- It is possible to **save / restore** configuration file.

- **Inclusion of new features on demand.**

- **Test buttons and manual activation** of each input/output.

- **Input and output LED Indicator** to provide visual status indication.

CONNECTION DIAGRAM

— SERIAL CONNECTION
— NETWORK CONNECTION

TO CINEMA ROOM AND BOOTH DEVICE

THEATRE LIGHTS
SCREEN MASKING
CURTAINS
3D SYSTEMS
AUDIO PROCESSORS
ADVERTISING SYSTEMS
ETC.

DIGITAL CINEMA SERVER

SERIAL INTERFACE | ETHERNET INTERFACE

ETHERNET NETWORK SWITCH

MAIN SUPPLY

OUTPUT 3 CONNECTOR | OUTPUT 2 CONNECTOR | OUTPUT 1 CONNECTOR | INPUT CONNECTOR | SERIAL INTERFACE | NETWORK CONNECTOR

PAA 20+

CONTROL NETWORK

WEBADMIN INTERFACE

Firmware Update

This page allows the configuration of the automation.

CAUTION: Incorrect settings may cause the system not to properly.

Enter the new settings for the board below:

EEPROM (WEB): Seleccionar archivo Ningún...cionado
Upload

Config Upload: Seleccionar archivo Ningún...cionado
Upload

Config Backup: Backup

Reboot: Reboot the device

Reset: Reset to factory defaults

Automation Input Configuration

This page allows the configuration of the automation.

CAUTION: Incorrect settings may cause the system not to work properly.

Enter the new settings for the board below:

Inputs	Ethernet ▾	Save
Server IP:	10.0.12.139	Save
Port Number	43748	Save
Input 1	31U31UA	Save
Input 2	32U32UB	Save
Input 3	33U33UC	Save
Input 4	34U34UD	Save
Input 5	PLAYER Play	Save
Input 6	PLAYER Pause	Save
Input 7	PLAYER Stop	Save
Input 8	PLAYER Emergency Stop	Save

Doremi ▾ Update

Input Message Terminator: ▾ Save

Remote Control

Outputs:
1 • 2 • 3 • 4 • 5 • 6 • 7 • 8 • 9 • 10 • 11 • 12 •
Inputs:
1 • 2 • 3 • 4 • 5 • 6 • 7 • 8

- As a reminder, check the input status with the following command: InputN (being N the number of the input)

- As a reminder, check the output status with the following command: OutputN (being N the number of the output)