



NA10 Network Automation Interface



The NA10 interfaces digital cinema equipment with your theatre's existing automation system.

The Dolby® NA10 Network Automation Interface makes it easy to interface digital cinema playback equipment with existing cinema control systems, enabling fully automated presentations.

Extensive input and output capabilities enable digital cinema equipment to be linked to existing lighting, curtain, automation, and other ancillary systems. The unit turns network control from the digital cinema playback system into relay closures, mains switching, and serial control for driving existing equipment. The unit can be connected in parallel with existing film automation systems making it easy to switch between film and digital shows, and even to run seamless presentations mixing both film and digital content. An offline button enables cinema control to be handed over completely to an existing film automation system at any time.

Advanced features include 12 configurable momentary/latching outputs, plus eight inputs that can be used for tally signals and to automatically trigger individual cues or predefined cue sequences. For easy interfacing to existing equipment, two mains voltage relays are provided to drive slide projectors and other devices that do not feature low voltage control. Front-panel indicators are provided for all inputs and outputs, ensuring that system status is clearly visible at all times.

The unit is easy to install and can be wall- or rack-mounted for wiring convenience. Conduit knockouts are provided to aid conformance with local electrical wiring regulations.

Dolby NA10 Network Automation Interface

NA10 Front Panel

Power Button

Latched, recessed to prevent accidental operation, with LED indicator

Online/Offline Button

Controls response to network commands, recessed switch to prevent accidental operation, with LED indicator

LED Indicators

Network connection, general purpose input, and relay output status

Serial Port

9-pin female D-connector, for installer configuration and software upgrade

USB 2.0 Port

Type B connector, for installer configuration and software upgrade



NA10 Internal Connections

General Purpose Inputs

Eight low-voltage inputs, screw terminals, 2 V or 8 V logic switching threshold

General Purpose Outputs

Twelve low-voltage relay outputs, screw terminals, normally closed and normally open contacts 1A, 32 VDC max. Relays are replaceable.
Two mains voltage relay outputs, screw terminals, 5A 250 VAC max, 50–60 Hz, protected by resettable circuit breakers. Relays are replaceable.

Cinema Processor Fader Control

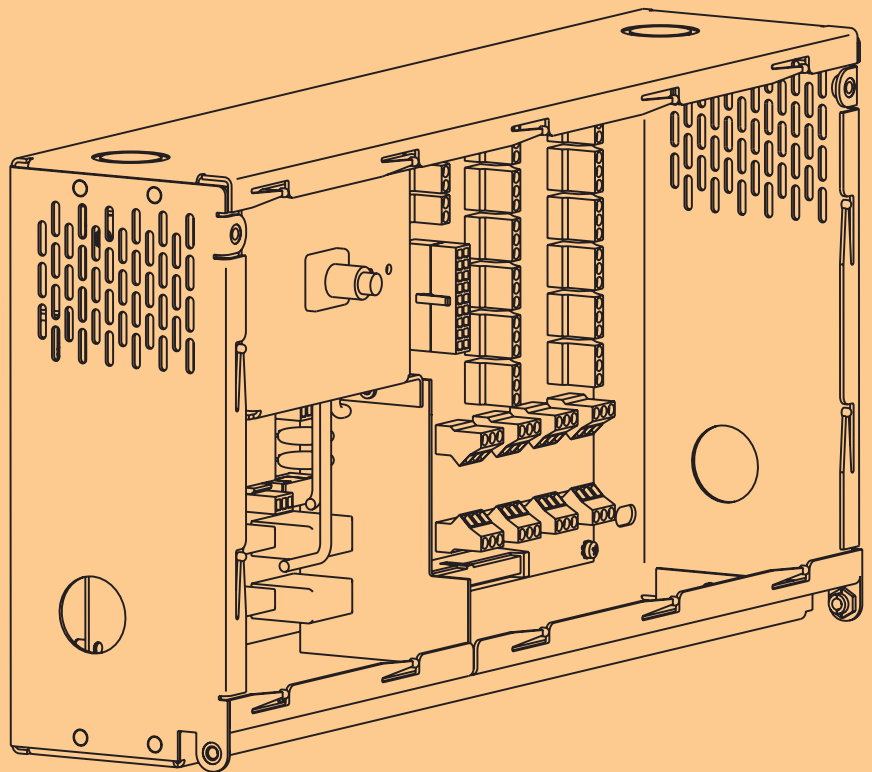
Screw terminals, switch selects processor model

Serial Ports

10-pin header, RS-485, DMX-512 compatible

Network Connection

RJ-45 female connector; 10Base-T



Construction

Industrial chassis, screw closure, knockouts for wiring conduit, suitable for wall mounting (optional rack-mounting kit available)

Power Requirements

100–240 VAC, 50–60 Hz, 20 W from a centrally switched power source

Dimensions and Weight

445 x 216 x 100 mm (17.5 x 8.5 x 4 inches)
6 kg (13 lb)

Environmental Conditions

Operating: 0° to 40°C (32° to 104°F), 20 to 80% relative humidity (noncondensing)

Warranty

One-year limited, parts and labor; see disclaimer. Specifications subject to change without notice.

Disclaimer of Warranties

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