



ACS-1 Auto Control Switch



The Nemesis ACS-1 Auto Switcher is a 1U rack mount unit that automatically controls any of the Nemesis range of switchover units by detecting the presence of playback signals using either a 1 kHz tone or SMPTE timecode.

Designed primarily for live concerts, stage shows and theatre where backing tracks are used for orchestration, vocals and sound effects, this allows for a redundant backup system which automatically switches between two sources should a failure of one of the sources occur. There are 2 modes of operation:

Comparison (switches from A to B if input signals differ)

Signal Loss (switches from A to B if signal lost on A)

Sources can be monitored using a traditional tone detection method, a fault being flagged when the tone disappears from a source, or a SMPTE timecode detection method.

The advanced timecode detection algorithm continuously monitors the frame position of each source and detects any frame errors or backwards jumps in running SMPTE, causing an error state to be flagged. This prevents stuck buffers from frozen or crashed playback sources otherwise undetected in other systems using just the simple presence of a tone.

Also included in the unit is a standard Nemesis 5 pin remote input for connection to an external remote buttons, standard Nemesis 15-pin DSUB relay GPO for connection to Nemesis or other audio changeover units, MIDI output for control of MIDI based units and an optional dual redundant internal PSU.

Features:

- > MIDI output
- > Optional redundant internal PSU
- > Large 16x24mm A B front panel buttons
- > LEDs to show signal present & status
- > 2 x Balanced XLR input for audio/SMPTE from playback machines A & B
- > Nemesis 5 pin remote input for connection to an external remote button
- > Nemesis 5 pin remote output to link to CCS-2
- > 15-pin D-Sub relay GPO for connection to Nemesis or other audio changeover units

Applications:

- > Theatre
- > Live Events
- > Conferences
- > Exhibitions
- > Visitor Attractions
- > Cruise Ship



The **Nemesis** range of show control hardware was created to address a specific gap in the market for powerful, reliable and flexible show control and audio playback solutions. Designed specifically for the challenging theatre and live entertainment environments, and manufactured to the highest British engineering standards, the **Nemesis** design objective is to provide a fully specified and highly resilient set of control and redundancy hardware, enabling engineers to achieve seamlessly integrated performances.

With **Nemesis** behind the scenes, the show will go on without unwanted interruptions and with ultimate control.
www.nemesis-audio.com

