

- and live processing
- Manual or logic-based switching and show control
 - ► Compatible with all Thunder | Core products: AX64, AX Center and Core 256



Control Pack

Playback Redundancy and Show Control

Control | Pack provides native redundancy switching between any set of input channels as well a manual switching of routing preset for show control applications when using Thunder | Core products.

Depending on the need for I/O capacity, AX64, AX Center or Core 256 interfaces can address applications in live music audio systems related to playback or insert of audio on computers for back-tracks and effects. Further, the routing capabilities can enable functionalities related to back-up switching and show control reconfiguration of the audio path and signal flow in live music audio systems.

When latency and reliability are critical factors

In live sound, channel counts are massive, and with digital equipment latency can build op fast. There are many points in a complex variety of signal chains that must not only co-exist but also complement each other.

The Thunder|Core range has very high I/O capacity with 256 Thunderbolt 3 channels, up to 192 MADI channels, 256 Dante channels and 16 Channels on Lightpipe. The internal signal processing ensures a fixed, near-zero latency when routing audio from any input to any output of just 7 samples (72 microseconds @96 kHz) with absolute time and phase alignment between all output signals. If more units are interconnected via a DADlink optical fiber interface,





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Features

- ► Routing presets are defined via DADman to be loaded into the unit as a native configuration of preset 'buckets'.
- ► A total of 32 preset 'buckets' with any configuration of I/O interface and channels can be defined.
- ► A single preset 'bucket' can hold up to 4 layers each with up to 256x256 channels mapped.
- ► Switching of input layers in a preset 'bucket' can be done via signal triggers natively in the Thunder | Core interface, manually from DADman or via external control devices.
- ► All input channels in the Thunder | Core unit have built-in signal detectors for signal integrity. The signal trigger logic is configured via DADman.

- ► Signal detection on channels can be pilot tone triggers or an AE6 digital trigger. Further, signal detection can also be on port level for MADI and AES3.
- ► Built-in signal generators for sine wave or AE6 signals can be routed to any of one or more outputs.
- ► Switching time for a preset 'bucket' is less than 2 audio samples with logic-based switching.
- ► Switching time for a preset 'bucket' equals 0 audio samples with manual switching.
- ► Response time for signal detection/triggers and switching is less than 1ms.

- 2 x Thunderbolt 3 ports w/ 256 I/O ch. @ 48 & 96kHz
- 256 Dante I/O ch. @ 48kHz
- 64 MADI I/O ch. @ 48kHz
- 16 Lightpipe ch. @ 48kHz
- Optional module expansion: 2 x MADI or DADLink
- Optional card expansion: DAD I/O cards
- DADman for macOS and Windows
- Samplerate 44.1-384kHz
- PROIMON







