



AZCORE

PROFESSIONAL LIVE PERFORMANCE CONTROL

One system. Every night. Perfectly.

Version 1.1.0

April 2026

What sets azCore apart

Live music is complex. Keyboards, synthesizers, MIDI controllers, audio stems, click tracks, chord charts, lighting cues — and a room full of people counting on everything working the first time. azCore is the control system built for exactly this reality.

A language designed for live performance

azCore uses **azSyntax** — a purpose-built language that describes your entire setup in plain text. One line per action. Human-readable. Version-controlled. Reviewable before the gig. If you can write a text file, you can describe your rig.

```
song comfortably_num {
  step default {
    route.add r_piano
    midi.send piano { pc,42 cc,7,100 }
    cue lighting "warm amber"
    score.show comfortably_num
  }
  step solo {
    route.add r_lead { exclusive(r_piano) }
    cue band_cues "Guitar solo – watch David"
  }
}
```

Smooth Patch — no more stuck notes

When you remove a route, azCore does not cut the connection. It enters a **Release State**: the route stays alive long enough to forward every note-off for the notes you were playing. Only when the last note resolves does the connection drop. No stuck notes. No panic button needed.

Pre-compiled songs — zero-delay setlist navigation

Every song is compiled **at boot**. All 60 songs in your catalog are validated and ready before the first note is played. Switching songs takes milliseconds. The compiler catches every error — wrong device name, missing block — before the show.



The azCore graphical interface in action — step navigation, live score display, and cue panel during a song

Built for the stage

Touch UI — one hand on the monitor, one on the keyboard

Step panel for song navigation, 64 programmable pads (16 preset + 48 board grid), color-coded cue labels, HTML score display, and a full device binding panel — all accessible with a single tap. The layout locks during the show so nothing moves accidentally.

Cue system — one button, six people informed

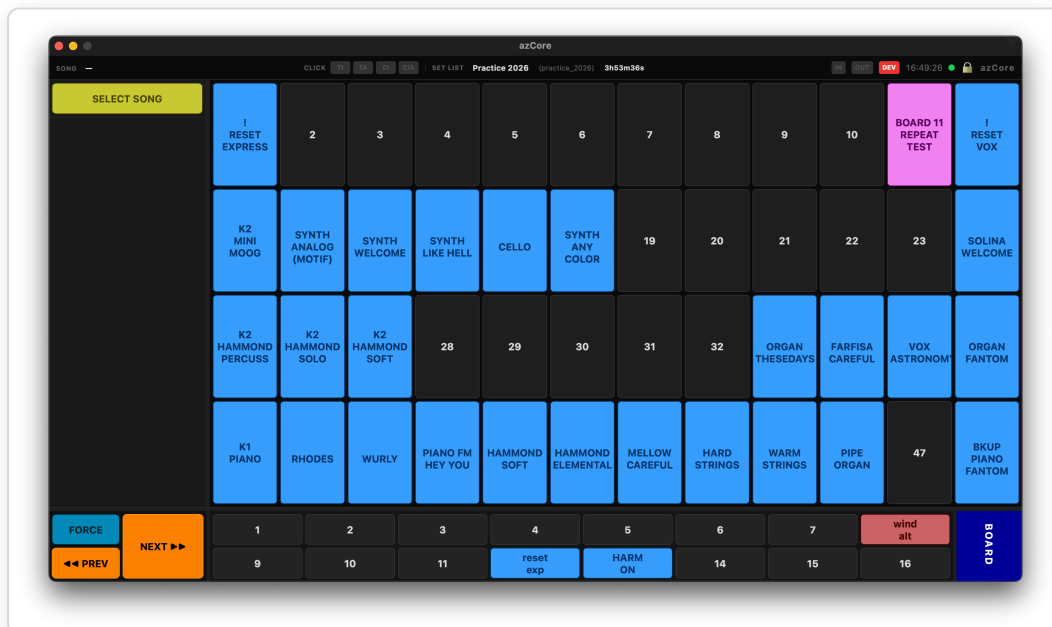
A single `cue` command can simultaneously flash messages to your lighting director, monitor engineer, video operator, and band. Color-coded. Auto-dismissing. No intercom chatter. No missed cues.

Integrated audio playback

Boot-time preloaded clips for zero-latency playback, on-demand decode with progress indicators, trim points, fade in/out, and two-level volume control — all driven by the same `pad` and `trigger` system as MIDI.

Remote UI via iPad or browser

The UI is a web application served over WebSocket. Run it on an iPad over Wi-Fi, a second monitor, or a rack display — with exactly the same interface. No app to install. No separate license.



The 48-button board grid — fully programmable pads in instant, toggle, and repeat modes

Feature overview

Feature	azCore
Performance scripting language	azSyntax — plain text, version-controllable
Pre-compiled song catalog	All songs ready at boot; zero-delay navigation
Smooth Patch (no stuck notes)	Industry-unique; configurable grace period
Logical/physical device separation	Portable projects; venue-specific INI only
MIDI routing (split/transpose/velocity)	Declarative; activate/deactivate at runtime
Exclusive route switching	One command removes conflicts, adds new route
MIDI CC automation	Linear sweep, time-based, with ownership lifecycle
MIDI clip playback (.mid files)	Position tracking and UI transport controls
Audio playback (.wav, .mp3)	Preload, trim, fade, two-level volume
HTML score display	Full browser rendering; marker navigation
Multi-personnel cue system	8 channels, auto-dismiss, metronome click
64-slot pad system	16 preset + 48 board; instant/toggle/repeat
Keyboard + MIDI trigger binding	Per-slot or standalone event handlers
Touch UI — macOS + Windows native	Also: browser on iPad over Wi-Fi
Device hotplug — MIDI + audio	Automatic detection and recovery
Offline license activation	JWT RS256; no cloud dependency
30-day free trial	Full functionality; no account required
Console REPL (TUI)	Full diagnostic and live control interface

Get started

Download: <https://azlive.io/download>

Documentation: <https://azlive.io/docs>

30-day free trial: start immediately, no account required

License: <https://azlive.io/activate>

Support: support@azlive.io