

Studio Timepiece - App Summary

What It Is

Studio Timepiece is a studio clock and running-order display built with React and Vite. It runs as a web app/PWA and includes optional Tauri desktop integration for mic live monitoring.

Who It Is For

Mainly built for broadcast environments such as TV studios and control rooms.

What It Does

- Large digital clock with optional seconds ring, date, title, and logo.
- Stopwatch toggle beneath the clock.
- Fullscreen and zoom controls for display sizing.
- Running order view with Excel (.xlsx/.xls) import.
- Edit, reorder, and skip segments with live progress and countdown.
- Pop-out running order window.
- Mic live indicator for X32 consoles (Tauri app only).

How It Works

- React app routes: /clock view and /running-order running order view.
- Clock state via useClock: localStorage for source and optional world time sync from worldtimeapi.org.
- Running order parsed with xlsx, stored/synced via localStorage and storage events.
- Tauri Rust backend listens to X32 OSC over UDP and emits x32_mic_state events to the UI.

How To Run

From the repo root:

- npm i
- npm run dev