UKWELI CODE

TRUTH IN TECHNOLOGY

ENTERPRISE BROADCAST EDITION • RELEASE V1.1.14

Church & Meetings Presentation Studio

Official Operator Manual, Comprehensive Architectural Specification, and Multi-Platform Production Guide for Houses of Worship & Broadcast Assemblies.

SOFTWARE VERSION
Version 1.1.14 (Production Release)

ARCHITECTURE
ISO C++20 Core • Qt 6.8+ QML GPU Scene Graph

SUPPORTED PLATFORMS
Linux (Universal) • Windows 10/11 • macOS (Apple Silicon & Intel)

ENGINEERING ORGANIZATION
Ukweli Code Solution (https://ukwelicode.com)

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1. Executive Summary & Zero-Cloud Architectural Philosophy

Ukweli Church & Meetings Presentation Studio is an enterprise-grade live worship presentation, multi-screen matrix router, and liturgical broadcast graphics system engineered specifically for houses of worship, corporate conference auditoriums, and live broadcast assemblies. Developed by Ukweli Code Solution (ukwelicode.com/church-presentation), it combines compiled native C++20 efficiency with modern declarative GPU acceleration.

> **THE ZERO-CLOUD MISSION-CRITICAL PRINCIPLE**
>
> Sunday morning worship services and multi-thousand attendee conferences cannot tolerate internet latency, remote subscription handshakes, or browser-based buffering. Ukweli Church Studio is designed with an uncompromising offline-first philosophy: all 6 canonical scripture databases, multilingual hymn repositories, video decoders, and slide renderers execute 100% locally on your machine silicon.

1.1 Architectural Pillars

- **Bare-Metal C++20 Core Execution:** While consumer presentation tools wrap Chromium browsers (Electron) that consume gigabytes of memory and suffer unpredictable garbage collection pauses, Ukweli Church Studio compiles directly to machine code. The render loop synchronizes with your display hardware's vertical refresh rate (V-Sync) at sub-16 millisecond frame intervals.
- **Qt 6.8+ Hardware-Accelerated Scene Graph:** Text rendering, motion video background loops, smooth alpha-blended dissolves, and dual-column scripture grids are rendered via native GPU APIs (Vulkan on Linux, Direct3D 12 on Windows, Metal on macOS), leaving the CPU free for audio routing and camera telemetry.
- **CrashGuard & State Persistence Daemon:** The studio continuously logs state journals to `last_good_session.json`. In the event of catastrophic physical power disconnection, reopening the software instantly recovers the active cue, exact slide index, audio faders, and stage countdown timer in under 500 milliseconds.
- **Hardware Resource Governor:** Continuously measures CPU thermal state, system RAM allocation, and GPU texture cache pressure. If resource utilization exceeds 85%, the governor throttles background document conversion threads to safeguard the uninterrupted fluidity of live audience projection.

2. Multi-Platform Installation Guide (Linux, Windows, macOS)

Ukweli Church & Meetings Presentation Studio is built with universal cross-platform parity. Distribution archives and native package installers are published globally across Linux, Windows, and macOS.

2.1 Linux Deployments (Ubuntu, Debian, Fedora, RHEL, Mint, Arch)

Distribution Package	Target Environments	Installation & Execution Commands

Universal Portable Suite `.tar.gz` (174 MB)	Any 64-bit Linux distribution. Bundles full Qt 6.8+ shared libraries, plugins, QML engine, offline scriptures & media pack.	`tar -xzf church-presentation-1.1.14-Linux-x86_64.tar.gz`
		`cd church-presentation-1.1.14`
		`./church-presentation.sh # Run portable`
		`./install.sh # Optional: install to ~/.local/bin`

Debian / Ubuntu Package `.deb`	Ubuntu 22.04 LTS / 24.04 LTS, Debian 12+, Linux Mint, Pop!_OS. Installs binary to `/usr/bin` plus self-contained `ffmpeg` / `ffprobe` / `yt-dlp` codecs & GNOME/KDE desktop icons.	`sudo dpkg -i church-presentation_1.1.14_amd64.deb` `sudo apt-get install -f # Resolve optional deps`
Fedora / RHEL / CentOS `.rpm`	Fedora 38+, Red Hat Enterprise Linux 9+, Rocky Linux, AlmaLinux.	`sudo rpm -ivh church-presentation-1.1.14-1.x86_64.rpm` `# Or with dnf: sudo dnf install ./church-presentation*.rpm`

2.2 Microsoft Windows 10 & Windows 11 (64-Bit Architecture)

The Windows distribution is packaged as an official Setup Wizard installer (`church-presentation-1.1.14-windows-setup.exe`) and an all-inclusive portable suite (`church-presentation-1.1.14-win64.zip`).

1. Download `church-presentation-1.1.14-windows-setup.exe` (recommended) or `church-presentation-1.1.14-win64.zip` from ukwelicode.com/church-presentation.
2. Extract the archive into your preferred permanent folder (e.g. `C:\ChurchPresentation\`).
3. Double-click `Launch-Church-Presentation.bat` or `church-presentation.exe` .
4. **Windows Defender Firewall Notice:** When prompted, grant Private Network access to allow the built-in HTTP Remote Server (port 8080) and PTZ Camera controller to communicate across your sanctuary Wi-Fi and LAN.

2.3 Apple macOS (Apple Silicon M1/M2/M3/M4 & Intel x86_64)

macOS operators are provided with an official Apple Disk Image (`church-presentation-1.1.14-macOS-Universal.dmg`) and a portable archive (`church-presentation-1.1.14-macOS-Universal.zip`):

NATIVE APPLE SILICON & INTEL SUPPORT

The macOS bundle is structured as a standard macOS Application Bundle (`Church Presentation Studio.app`) configured with Retina High-DPI support, full offline scripture and hymn assets, and ambient liturgical motion loops.

macOS Installation via DMG Disk Image

1. Download `church-presentation-1.1.14-macOS-Universal.dmg`.
2. Double-click the `.dmg` file to mount the virtual volume in macOS Finder.
3. Drag the **Church Presentation Studio** icon into the **Applications** shortcut folder.
4. **Clearing macOS Gatekeeper Quarantine:** Because the software is downloaded directly from the Ukweli Code global CDN, macOS Gatekeeper may present a security prompt on initial launch. To permit execution:
    - Right-click (Control-click) `Church Presentation Studio.app` in Applications and select **Open**, then click **Open** in the confirmation dialog.
    - Alternatively, open macOS Terminal and execute:
      `xattr -dr com.apple.quarantine "/Applications/Church Presentation Studio.app"`
5. **Recommended Media Tools via Homebrew:** For accelerated document conversion (PowerPoint and Word to 1080p graphics), install LibreOffice and Poppler utilities:
   `brew install libreoffice poppler ffmpeg`

3. Hardware Topology, Multi-Display Matrix & Video Routing

Live church production requires separating the operator's workspace from the screens viewed by the congregation, platform ministers, and online streaming audience. Ukweli Church Presentation Studio incorporates an automated, 4-stage display routing matrix.

3.1 Quad-Screen Output Architecture

Output Target	Resolution & Refresh	Signal Route	Functional Role
1. Studio Operator Console	Native Control Monitor (1080p / 1440p)	Direct GPU Output (HDMI 1 / DP 1)	Master operational control deck, cue trigger schedule, media preview, Bible search, live video monitor, and audio faders.
2. Sanctuary Main Projector	1080p (1920×1080) or 4K UHD @ 60Hz	Audience Projector / LED Wall (HDMI 2 / SDI)	Zero-latency, full-screen worship lyrics, dual-column scripture, sermon graphics, and ambient motion loops.
3. Stage / Confidence Monitor	1080p (1920×1080) High-Contrast	Stage Floor Monitors / Confidence Screen	High-visibility presenter display showing current slide, next slide preview, real-time clock, sermon countdown timer, and preacher flash alerts.
4. Broadcast / Live Stream Feed	1080p (1920×1080) RGBA Alpha Channel	OBS Studio / vMix / ATEM Switcher (NDI / Window Capture)	Chroma-keyed transparent broadcast lower-thirds, speaker title badges, scripture crawl, and liturgical banner overlays.

3.2 Recommended Production Hardware Configurations

- **Dedicated AV Workstation:** Quad-Core 2.8 GHz or Apple M-Series processor, 16 GB RAM, dedicated GPU (NVIDIA GeForce RTX 3050 / AMD Radeon RX 6600 or higher) with multiple digital display outputs.
- **Hardware EDID Emulators:** When using HDMI splitters or long CAT6 HDMI extenders to sanctuary projectors, power cycling a projector can cause operating systems to reconfigure desktops. We strongly recommend placing low-cost HDMI EDID pass-through adapters between the PC and projector lines to maintain permanent screen topology.
- **Dedicated AV Network Switch:** A dedicated Gigabit Ethernet switch connecting the presentation computer, PTZ cameras, digital audio console, and streaming encoder.

4. Studio Operator Console: Detailed Anatomy & Control Surface

The Studio Operator Console is divided into three ergonomic functional zones designed to minimize cognitive load during high-pressure live worship services.

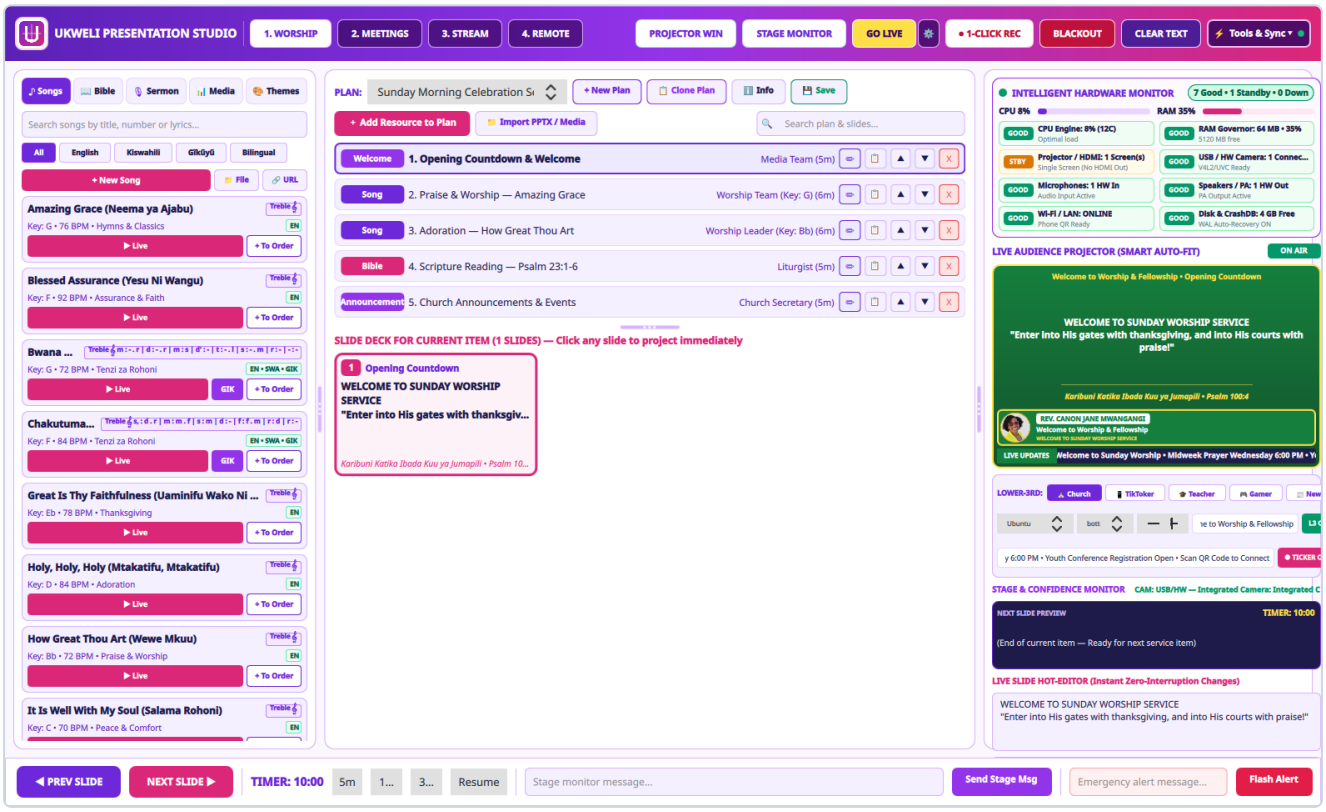


Figure 1: The Ukweli Church Presentation Studio master operator console, showing the Left Resource Deck, Center Cue Schedule, and Right Live Stage Viewports.

4.1 Zone Breakdown

- **Left Pane (Resource & Media Deck):** Contains quick-switching tabs for Songs & Hymns, 3-Pane Bible Engine, Sermon Decks, Imported Documents, Media Library (still graphics & video loops), and Liturgical Themes.
- **Center Pane (Service Order & Cue Navigator):** Displays the sequence of liturgical elements for the current service plan. Cues can be triggered with single clicks, re-ordered via drag-and-drop, or edited live on air without disturbing the active screen.
- **Right Pane (Live Stage & Preview Output):** Features side-by-side Program (what is currently live on the sanctuary screen) and Preview (what will be projected next) viewports, master transition faders, and the Preflight Checklist indicator.

4.2 Master Emergency Controls

Control Action	Default Shortcut	Behavior
Blackout	`B`	Instantly cuts the main sanctuary output to black. Audio and video loops pause smoothly.
Clear Screen	`C`	Fades out active lyrics or scripture text while retaining the ambient motion video loop or background graphic.
Logo Hold	`L`	Immediately transitions the sanctuary screen to the church's high-resolution emblem or welcome graphic.
Next Slide / Cue	`Space` or `→`	Advances to the subsequent lyric stanza, scripture verse, or presentation slide.
Previous Slide	`←` or `Backspace`	Returns to the preceding slide or stanza.

5. The 3-Pane Bible Engine & Simultaneous Dual-Column Projection

One of the hallmark capabilities of Ukweli Church Presentation Studio is its purpose-built scripture engine, designed specifically to meet the multilingual, fast-paced needs of modern and bilingual congregations.

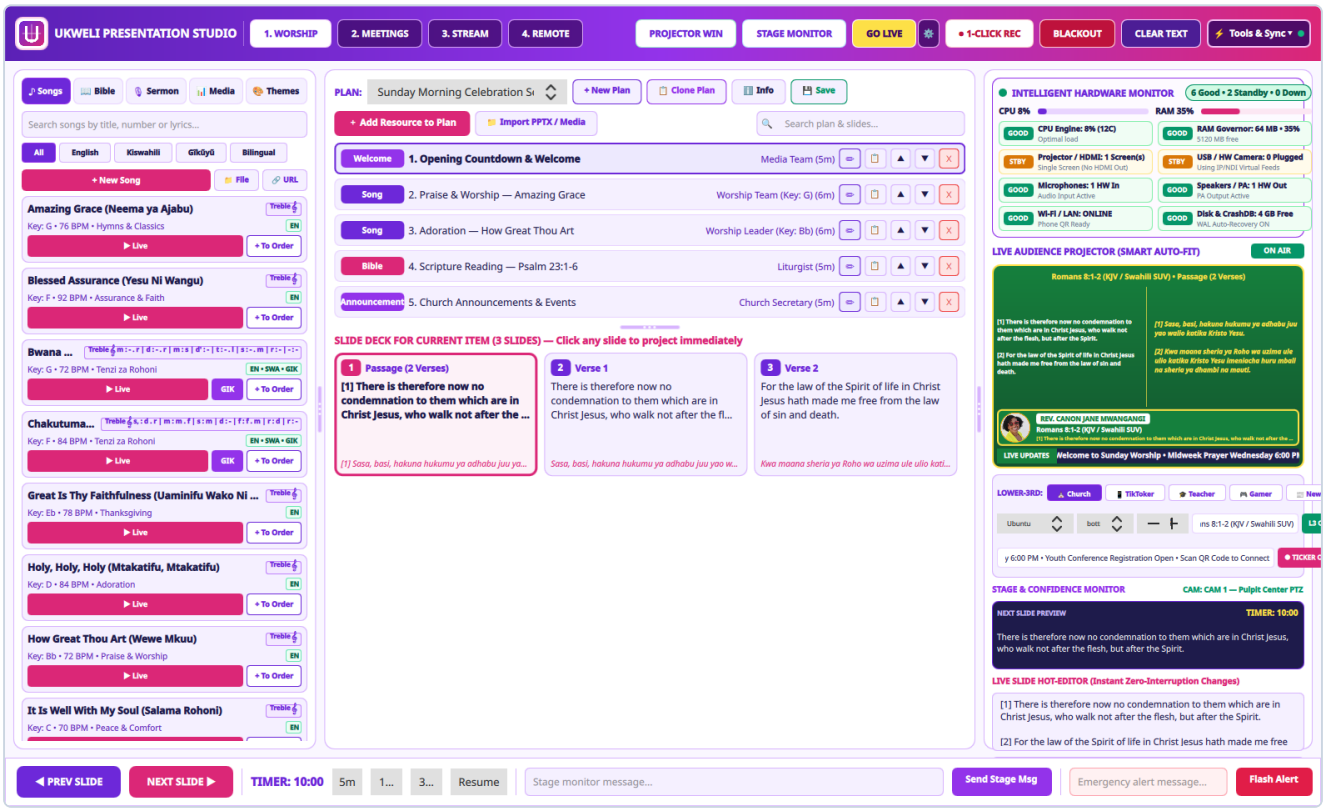


Figure 2: The 3-Pane Bible Engine with Book, Chapter, and Verse drill-down navigation and instant translation switching.

5.1 Pre-Indexed Offline Canonical Bibles

The studio ships pre-configured with 6 full-text canonical offline scripture translations stored in embedded SQLite databases with sub-millisecond B-Tree indexing:

1. **King James Version (KJV):** The classic English translation with standardized verse numbers.
2. **Bible in Basic English (BBE):** Clear, accessible English vocabulary ideal for younger audiences.
3. **Swahili Union Version (SWA / SUV):** The standard canonical Swahili translation widely used across East & Central Africa.
4. **Gĩkũyũ Bible (GIK - Ibuku rĩa Ngai):** Complete Old and New Testament vernacular edition.
5. **World English Bible (WEB):** Modern, highly readable public domain translation.
6. **American Standard Version (ASV):** Recognized for exacting literal fidelity.

5.2 3-Pane Drill-Down Navigation

Operators can navigate scripture through three coordinated columns: **Book → Chapter → Verse**. Selecting a book instantly populates all canonical chapters; selecting a chapter immediately lists all verses with full text previews. Filter boxes at the head of the book column allow instant searching.

5.3 Canonical Alias Normalization & Quick Search

The engine incorporates an algorithmic name normalizer capable of resolving colloquial abbreviations, typos, and multilingual book names:

Search Query	Canonical Target	Resolved Book & Chapter
`rom 8` or `romans 8`	Romans	Romans Chapter 8
`1ki 18:38` or `1kgs 18`	1 Kings	1 Kings Chapter 18, Verse 38
`ps 23` or `zaburi 23`	Psalms / Zaburi	Psalms Chapter 23
`mwa 1` or `mwanzo 1`	Genesis / Mwanzo	Genesis Chapter 1
`yoh 3:16` or `john 3`	John / Yohana	John Chapter 3, Verse 16

5.4 Simultaneous Dual-Column Parallel Projection

Bilingual and multi-cultural services frequently require displaying two languages side by side (e.g., Swahili alongside English, or Gĩkũyũ alongside English). To activate Parallel Mode:

1. Select your **Primary Translation** (e.g. `SWA`) using the primary toolbar buttons.
2. Select your **Parallel Translation** (e.g. `KJV`) from the parallel bar.
3. Toggle the **Side-by-Side** switch.
4. When projected, the sanctuary display automatically creates a balanced dual-column typography grid with synchronized verse numbers, distinct language headers, and customized vertical separator borders.

6. Universal Document & Presentation Importer Pipeline

Churches receive presentations in dozens of conflicting formats: visiting preachers bring PowerPoint on USB drives, youth pastors submit PDF sermon outlines, and administrators provide Word announcements. Ukweli Church Studio includes an automated multi-engine importer that standardizes all files into broadcast-ready graphics.

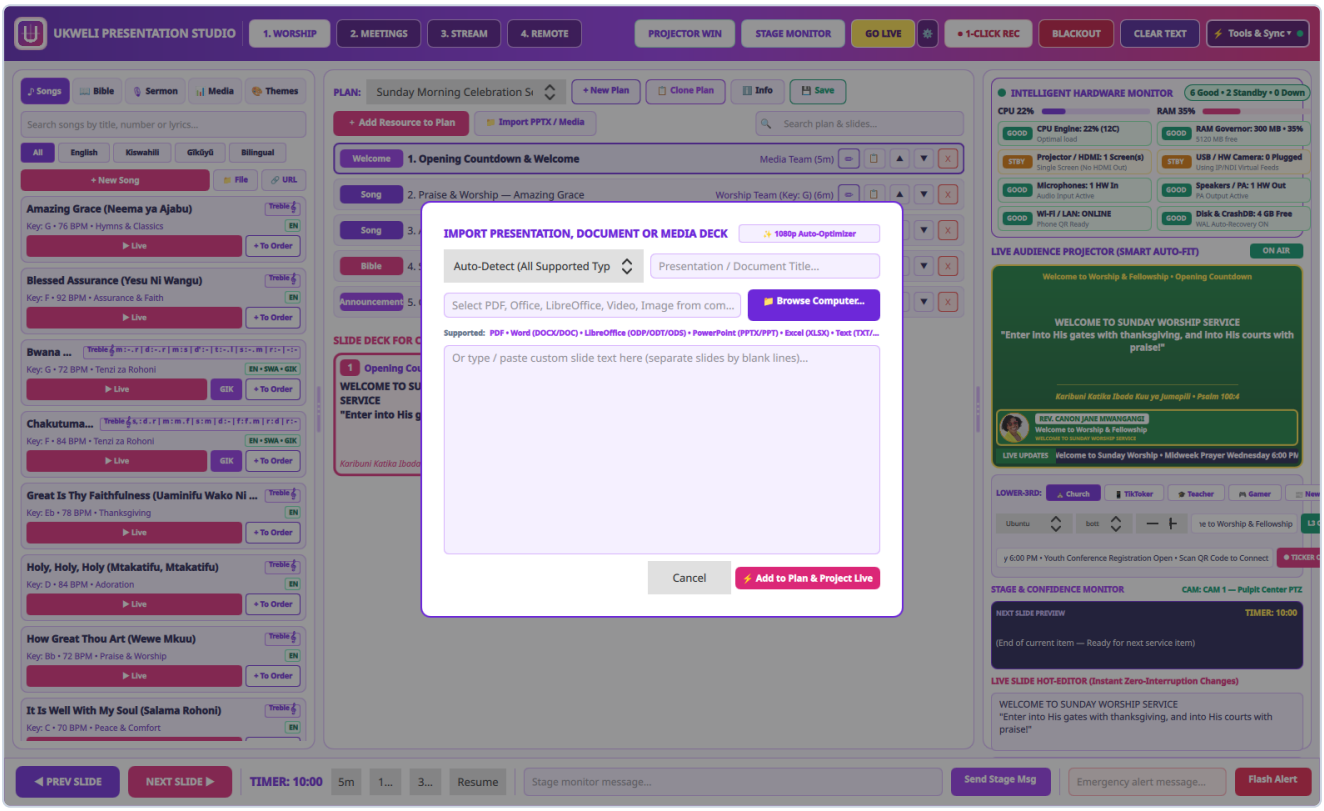


Figure 3: Universal Document & Presentation Importer with automatic format detection and text extraction.

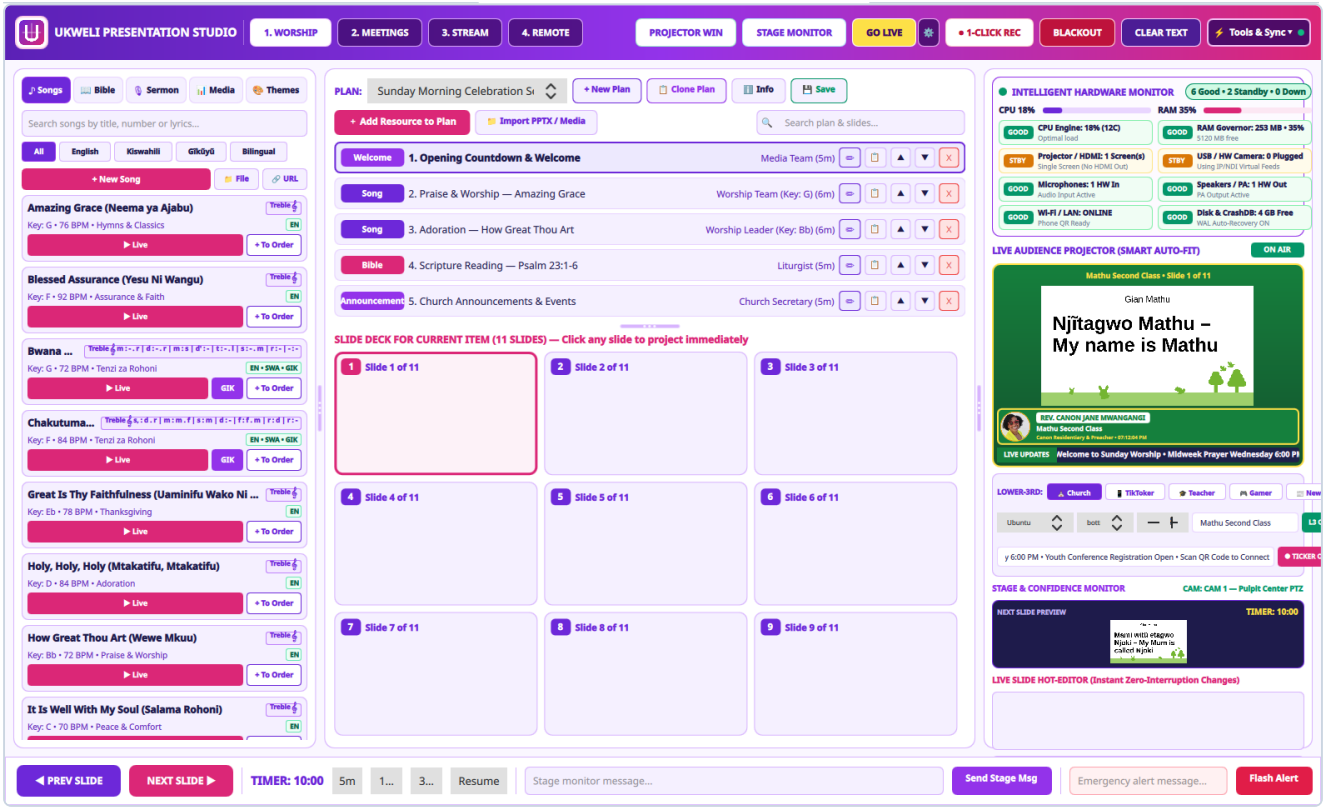


Figure 4: An imported PowerPoint/PDF sermon deck integrated into the live Sunday Service Plan.

6.1 Supported Ingestion Formats

Format Category	Supported File Extensions	Processing Pipeline Engine
Presentations	`.pptx`, `.ppt`, `.odp`	Headless LibreOffice Bridge → High-DPI Vector Rasterization
Documents	`.pdf`, `.docx`, `.doc`, `.odt`, `.txt`	Poppler Vector Engine (150 DPI) → Numerical Slide Texture Assembly
Still Graphics	`.png`, `.jpg`, `.jpeg`, `.webp`, `.svg`	Hardware OpenGL/Vulkan Texture Upload with Aspect Ratio Preservation
Motion Loops & Video	`.mp4`, `.mkv`, `.webm`, `.mov`, `.avi`	Hardware-Accelerated H.264/HEVC Video Surface Compositor

6.2 Automatic 1080p GPU Texture Optimization

Raw 4K presentations or multi-megabyte PDF graphics can quickly exhaust GPU VRAM during a two-hour service. Ukweli Studio's **Hardware Texture Clamping** automatically rescales incoming document pages to 1920×1080 at 150 DPI. This maintains razor-sharp typographic clarity while capping memory consumption at less than 8 megabytes per slide texture.

7. Liturgical Service Planning & Dynamic Live-on-Air Hot-Sync

A typical Sunday service incorporates hymns, prayers, scripture readings, sermon points, children's ministry dismissals, and offering notices. The Service Plan module lets directors pre-program entire services in minutes.

7.1 Creating & Structuring Service Orders

- **Templates & 1-Click Duplication:** Save existing service plans as templates (e.g. *"Standard Sunday Morning Liturgy"*, *"Midweek Communion"*) and clone them for upcoming weeks with a single click.
- **Mixed Cue Sequences:** A single service plan seamlessly interweaves songs, scripture passages, PowerPoint slides, video countdown timers, responsive litanies, and speaker lower-third triggers.
- **Printable Bulletins & PDF Export:** Generate professional orders of service for the pastor, choir director, and AV team with one click via **Export → Service Bulletin PDF**.

7.2 Live-on-Air Hot-Sync

SPONTANEOUS SERVICE ADJUSTMENTS WITHOUT DISRUPTIONS

When the preacher calls for an unannounced scripture reading or changes sermon points mid-stream, operators can edit slide lyrics, append scripture verses, or re-order upcoming cues directly in the Center Pane. All modifications update the live queue asynchronously without interrupting or flickering the audience screen.

8. Broadcast Lower-Thirds, Alpha Overlays & Ticker Tape (OBS / vMix)

For assemblies broadcasting to YouTube, Facebook Live, or television networks, Ukweli Church Studio serves as a broadcast graphics generator, outputting transparent alpha overlays directly to OBS Studio, vMix, or ATEM video switchers.



Figure 5: Broadcast lower-third overlay with speaker circular portrait, ecclesiastical title, and live scripture ticker.

8.1 Lower-Third Speaker Badges

- **Speaker Portraits:** Displays a high-resolution circular portrait alongside the preacher's name and ecclesiastical title (e.g., *"Rev. Dr. Sarah Wanjohi • Welcome to Sunday Worship Service"*).
- **Scripture Crawl:** Projects Bible references and verse text across the lower quarter of the broadcast screen, allowing congregation members online to follow along without obstructing the pulpit camera feed.
- **Liturgical Branding:** Auto-populates church logos, service themes, and color-matched gradient accents based on the liturgical calendar (Advent, Lent, Pentecost, Ordinary Time).

8.2 Real-Time Announcement Ticker Tape

The bottom edge of the broadcast screen features a continuous, hardware-accelerated ticker tape for scrolling announcements, offering M-Pesa paybill numbers, prayer meeting schedules, and emergency notices. Operators can modify ticker messages live from the Studio console with immediate on-screen updates.

9. Stage & Confidence Monitor System with Worship Prompts & Timers

Performers, worship leaders, and pastors require distinct visual cues compared to the audience. Ukweli Studio's Stage Monitor output turns any television or monitor facing the platform into a high-visibility confidence prompter.

9.1 Stage Monitor Features

- **High-Contrast Inversion:** Rendered in stark black-and-yellow or high-contrast white-on-black for readability from 30+ feet away under bright stage spotlights.
- **Next-Slide Foresight:** Displays the currently active lyric line alongside a highlighted preview of the upcoming stanza, enabling worship singers to transition smoothly between verses and choruses.
- **Sermon & Service Countdown Timers:** Synchronized digital clocks and countdown timers keep services punctual. Operators can send discreet stage messages (e.g. *"Please conclude prayer"*, *"2 minutes remaining"*) that appear exclusively on the confidence screen.

10. Camera Hub, PTZ Remote Control & Software Audio Routing

Modern sanctuaries utilize motorized Pan-Tilt-Zoom (PTZ) cameras to capture the pulpit, choir, and altar. Ukweli Church Studio features a built-in camera hub that unifies video presentation and PTZ control into a single interface.

10.1 PTZ Protocols & Presets

- **Supported Protocols:** Sony VISCA over IP (UDP port 52381), RS-422 serial VISCA, and ONVIF discovery.
- **One-Touch Preset Recall:** Store up to 8 camera presets (e.g., *Pulpit Tight, Sanctuary Wide, Choir Loft, Altar, Baptismal Font*). Clicking a preset smoothly repositions the camera in real time.
- **Cue-Coupled Positioning:** Service plan cues can automatically trigger camera presets—for instance, selecting the "Sermon" cue automatically commands Camera 1 to pan to the pulpit.

10.2 Software Audio Mixer & Router

Manage audio levels for motion video backgrounds, imported video clips, and audio intro tracks with dedicated software faders, master mute toggles, and sub-millisecond audio-video synchronization.

11. Mobile Web Remote Control & Campus P2P Network Synchronization

11.1 Zero-Install Mobile Remote Deck

Pastors and worship leaders can advance slides from the platform using any smartphone or tablet connected to the church Wi-Fi network:

1. Enable the **HTTP Remote Server** in Studio Settings (default port: `8080`).
2. The Studio displays a dynamic QR code on the operator deck.
3. Scanning the QR code opens a lightweight, responsive web console with Next Slide, Previous Slide, Blackout, and Scripture Search controls.
4. Security is safeguarded via a 4-digit operator authorization PIN.

11.2 Multi-Campus & Overflow Hall P2P Sync

Large churches operating secondary sanctuaries, youth halls, or overflow auditoriums can link multiple instances of Ukweli Church Studio across the local network. The primary master station automatically streams service plan updates, live cue activations, and lyric changes to secondary nodes with zero cloud latency.

12. Technical Reference: SQLite Schemas, REST Endpoints & Protocols

For systems engineers and technical AV directors, this section documents the underlying data models, protocols, and APIs that govern Ukweli Church Presentation Studio.

12.1 SQLite Scripture Database Schema

```
-- bibles.db (WAL Journaling Enabled)
CREATE TABLE books (
    id INTEGER PRIMARY KEY,
    book_order INTEGER NOT NULL,
    testament TEXT CHECK(testament IN ('OT', 'NT')),
    canonical_name TEXT NOT NULL UNIQUE,
    aliases TEXT, -- Comma-separated: "1kgs, 1 kings, 1ki, 1 falme"
    chapter_count INTEGER NOT NULL
);

CREATE TABLE verses (
    id INTEGER PRIMARY KEY AUTOINCREMENT,
    translation_code TEXT NOT NULL, -- 'KJV', 'BBE', 'SWA', 'GIK', 'WEB', 'ASV'
    book_id INTEGER NOT NULL REFERENCES books(id),
    chapter INTEGER NOT NULL,
    verse INTEGER NOT NULL,
    verse_text TEXT NOT NULL,
    UNIQUE(translation_code, book_id, chapter, verse)
);

CREATE INDEX idx_bible_lookup ON verses(translation_code, book_id, chapter, verse);
CREATE VIRTUAL TABLE verses_fts USING fts5(verse_text, content='verses', content_rowid='id');
```

12.2 HTTP Remote Control REST API

HTTP Method & Endpoint	Payload / Query	Operational Result
`POST /api/v1/cue/next`	`{ "pin": "1234" }`	Advance active service plan to subsequent cue/slide.
`POST /api/v1/cue/prev`	`{ "pin": "1234" }`	Return active service plan to preceding cue/slide.
`POST /api/v1/blackout`	`{ "pin": "1234", "enable": true }`	Toggle master sanctuary screen blackout.
`GET /api/v1/state`	—	Returns JSON status: active cue, timer, faders, display status.
`POST /api/v1/bible/quick-project`	`{ "ref": "John 3:16", "trans": ["SWA", "KJV"] }`	Immediately triggers dual-column parallel projection of scripture.

13. Hotkey Reference Cheat Sheet & Sunday Morning Emergency Protocols

13.1 Complete Keyboard Shortcuts Cheat Sheet

Keyboard Shortcut	Scope	Operational Result
Space / → / ↓	Global	Advance to next slide, scripture verse, or presentation frame.
← / ↑ / Backspace	Global	Return to previous slide or stanza.
B	Global	**Blackout:** Instantly blank main audience screen.
C	Global	**Clear Text:** Fade lyric/scripture text; preserve background loop.
L	Global	**Logo Hold:** Display primary church emblem graphic.
Ctrl + B (or Cmd + B)	Global	Instantly focus 3-Pane Bible Quick Search input.
Ctrl + F (or Cmd + F)	Global	Search songs and liturgical hymn repository.
Ctrl + O (or Cmd + O)	Global	Open presentation / document importer dialog.
F5	Global	Trigger live projection of active service plan cue.
Esc	Global	Close modal dialogs or cancel pending search.

13.2 Sunday Morning Emergency Protocols

- **Projector Cable Disconnect / Resolution Glitch:** If an HDMI cable is bumped or a projector flickers, press Ctrl + Shift + R to force-refresh display window geometry without restarting the application.
- **Sudden Power Cut / System Crash:** Upon relaunching Ukweli Studio, the CrashGuard daemon detects the previous state from `last_good_session.json` and prompts: *"Restore Previous Live Service State?"*. Clicking Yes instantly restores the active plan and exact slide position.

Appendix A: Technical Specifications & Port Matrices

Parameter	Specification Details
Programming Core	ISO C++20 bare-metal compiled code
Graphics Framework	Qt 6.8+ QML Hardware-Accelerated Scene Graph
Memory Footprint (Idle)	~68 MB to 120 MB RAM
Supported Architectures	x86_64 (Linux, Windows, macOS Intel) • arm64 (macOS Apple Silicon M1-M4)
Network Ports	HTTP Remote: `8080` • PTZ VISCA: `52381` • Campus P2P: `8989` • NDI: `5353`
Database Architecture	Embedded SQLite 3 with WAL (Write-Ahead Logging) journaling

Appendix B: Pre-Flight Sunday Morning Checklist

Item #	Verification Step	Status
1	Verify computer is connected to reliable AC power with UPS battery backup.	[ ]
2	Power on audience projectors and confirm HDMI / SDI signal sync.	[ ]
3	Launch **Ukweli Church Presentation Studio** and confirm Preflight indicators are green.	[ ]
4	Load today's Service Plan; verify song lyrics, sermon notes, and scripture cues.	[ ]
5	Test Dual-Column Bible mode (e.g. SWA + KJV) on today's sermon passage.	[ ]
6	Verify Stage Confidence Monitor is displaying the countdown timer and next-slide preview.	[ ]
7	Trigger Blackout (B) and Clear (C) test to ensure instant responsiveness.	[ ]
8	Verify OBS Studio / live stream overlay feed receives transparent lower-thirds.	[ ]