

## SlideMaster Pro – Local Presentation Remote

A desktop + web remote tool to control PDF presentations over your local Wi-Fi network. The laptop runs a PyQt5 desktop app to load and present slides, while any phone/tablet on the same network can act as a remote control via a Flask web UI.

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### Core Functionality

#### 1. Multi-PDF Presentation Manager (Desktop)

- Load **up to 3 PDF files** into separate “slots” (File 1, File 2, File 3).
- Each slot:
  - Stores the PDF path, rendered slide images, current slide index, and optional slide titles.
  - Is selectable via side buttons to quickly switch between presentations.
- Slot names are **user-editable**, so “File 1/2/3” can be renamed (e.g., “Session 1”, “Backup deck”). Names are saved and restored on next launch.
- State (loaded PDFs, active slot, slide indices, titles, default image, theme, custom file names) is saved to a JSON file in a persistent data directory and automatically restored.

#### 2. Slide Preview & Fullscreen Presentation

- Desktop UI shows **Previous / Current / Next** slide previews side-by-side.
- Fullscreen presentation window on a **selectable monitor**:
  - Choose which display to use for presenting.
  - Shows the current slide scaled to screen.
  - Supports **keyboard navigation**: arrow keys for next/previous, Esc to exit.
- Live **presentation timer** (mm:ss or hh:mm:ss) runs during active presentation and is shown in the main window footer (and mirrored to the web remote).

### 3. Blank & Default Screen Modes

- **Blank Page:** instantly switch the presentation output to a black screen without closing the presentation.
- **Default Image:**
  - Load a PNG/JPG as a “title screen” or standby slide.
  - Toggle it in fullscreen instead of a slide.
  - Default image persisted across runs.

### 4. Slide Titles Editor

- Per-PDF **slide titles** can be edited in a dedicated dialog.
- Titles are:
  - Stored with the slot,
  - Used as labels in the **web remote** slide grid to quickly identify slides by name instead of number.

### 5. Local Web Remote (Phone / Tablet Control)

- Starts a local Flask server (default port 5000) that exposes a **web remote** UI.
- Desktop shows the remote URL and a **QR code** so a phone can connect easily over the same Wi-Fi.
- Web remote features:
  - Main controls: **Present, Blank, Default, Close, Prev, Next.**
  - **File selection buttons** for File 1/2/3, showing which file is loaded and active.
  - **Slide grid:** tap any slide to instantly jump to that page.
  - A small **timer pill** showing the live presentation time.

- All commands are sent to the desktop via an in-memory bridge (web\_bridge callbacks), and the desktop periodically polls for remote actions.

## 6. Theming & Custom Chrome

- Custom frameless window with:
  - Custom title bar (logo + title text + custom minimize/close buttons).
- Built-in themes:
  - **Dark, Light, AMOLED Black**
- Theme choice is persisted between sessions