

# Khipu Studio - User Guide











---

## Getting Started

Khipu Studio is a comprehensive audiobook production application that transforms your written manuscript into professional-quality audiobooks using AI-powered tools and advanced text-to-speech technology.

## Navigation Overview

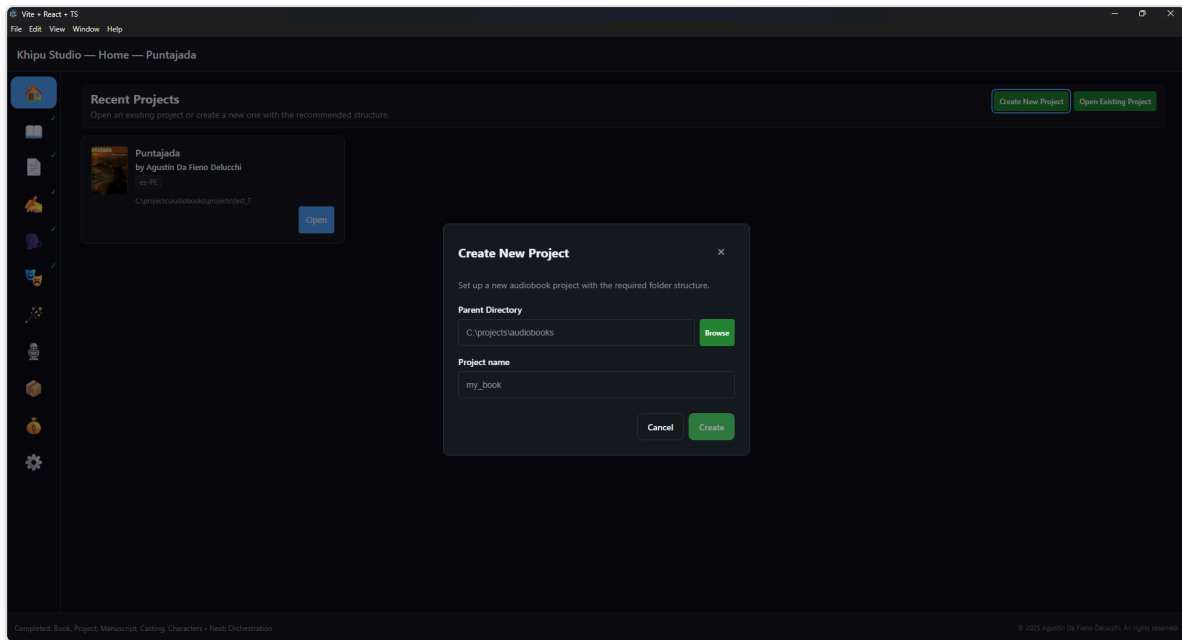
The application is organized into 10 main modules, each designed to handle a specific aspect of audiobook production:

-  **Home** - Project selection and creation
-  **Book** - Book metadata and configuration
-  **Manuscript** - Content management and editing
-  **Characters** - Character detection and profile management
-  **Casting** - Voice assignment to characters
-  **Planning** - AI-powered content segmentation and speaker assignment
-  **Voice** - Audio production and processing
-  **Cost** - Usage tracking and cost management
-  **Packaging** - Export and final assembly
-  **Settings** - Application and project preferences

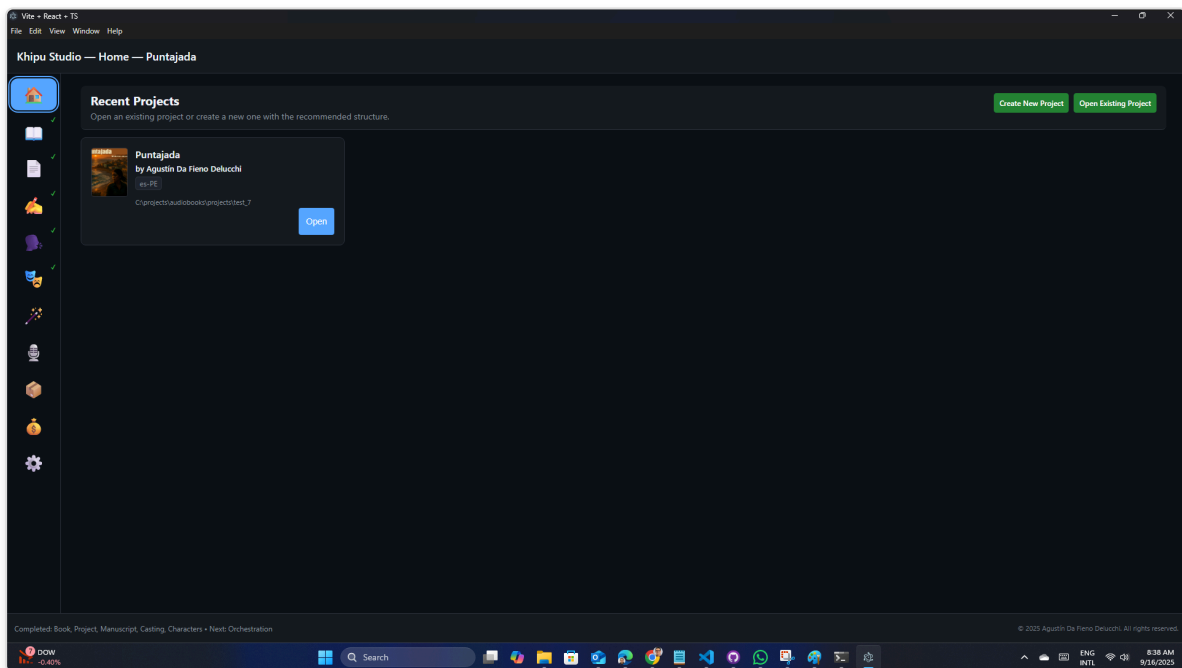
## Quick Start Workflow

### Step 1: Create or Select a Project


1. From the  **Home** screen, click "New Project" to create a fresh audiobook project

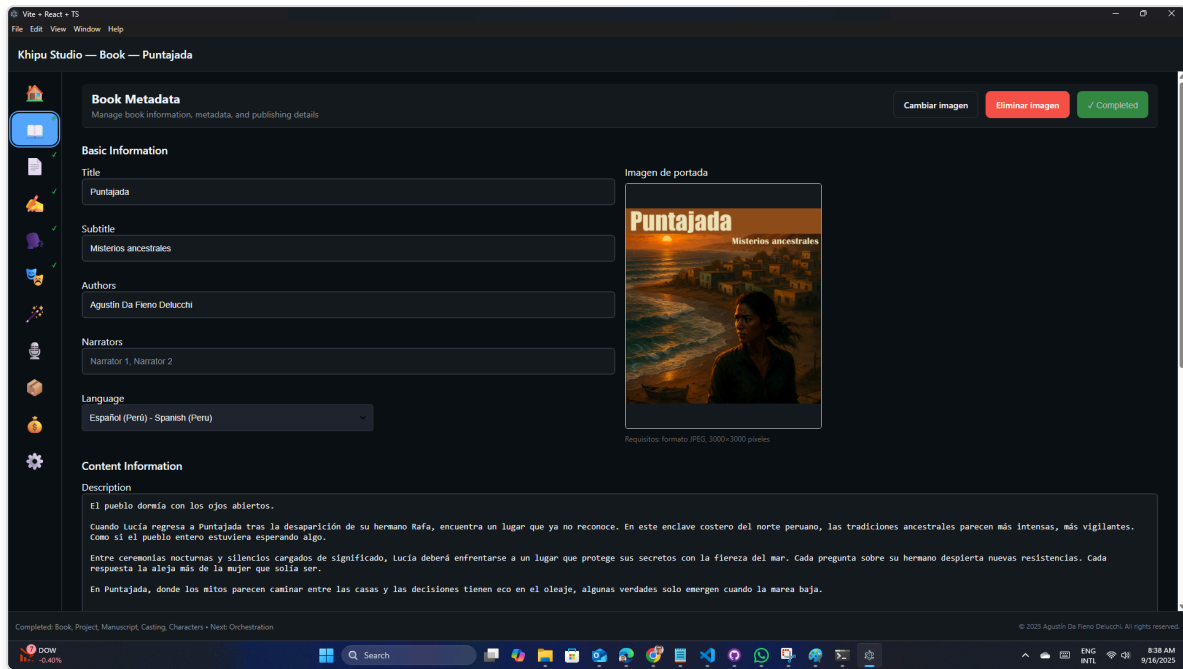


2. Or select an existing project to continue working on it
3. The home screen shows recent projects and provides quick access to templates



## Step 2: Configure Book Details

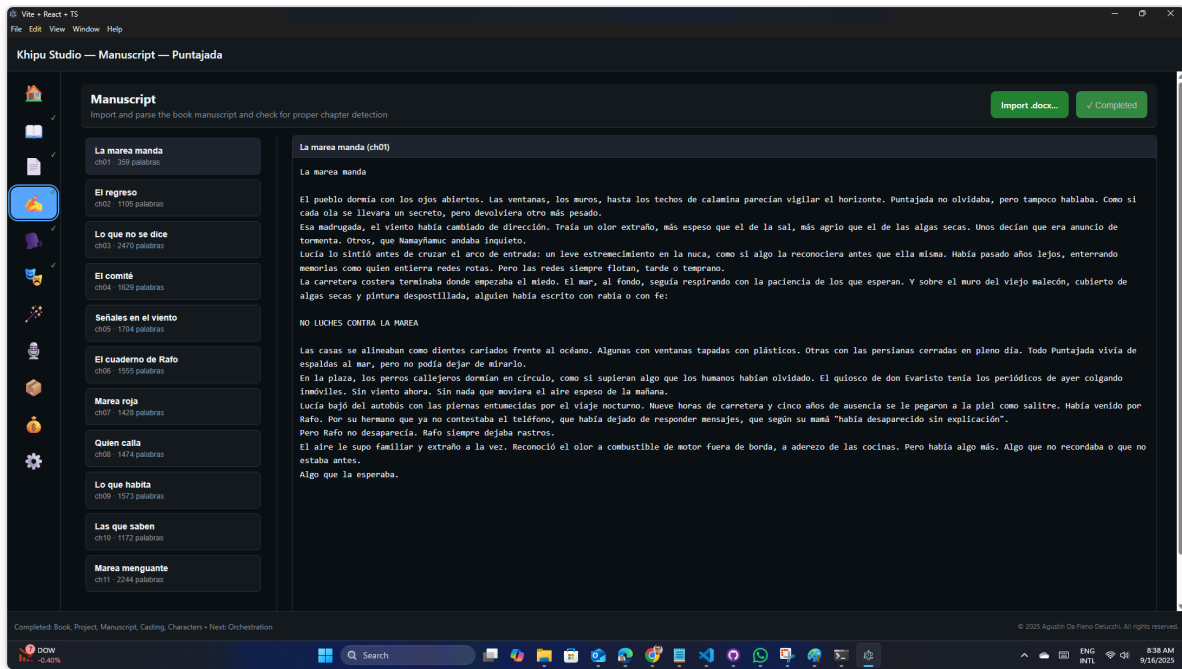
1. Navigate to the  **Book** tab



2. Enter essential metadata:
  - Book title and subtitle
  - Author name and biography
  - Genre and category tags
  - Publication details and ISBN (if available)
3. Upload cover art and configure display settings
4. Set audio format preferences and quality settings

## Step 3: Import Your Manuscript

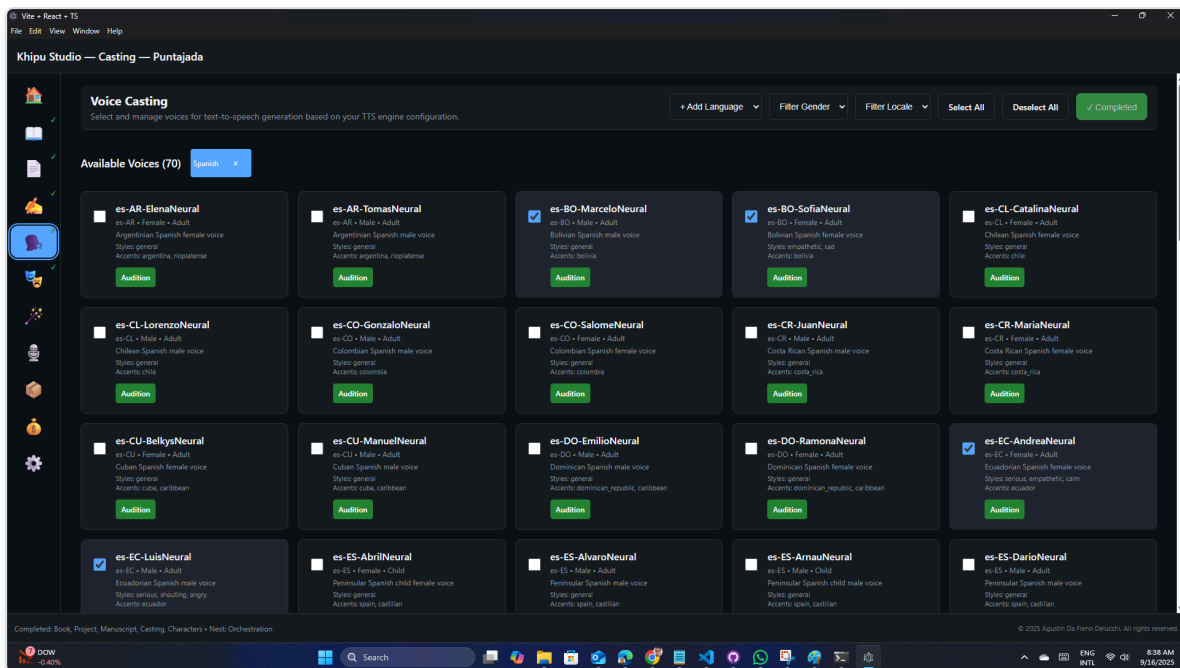
1. Go to the  **Manuscript** tab



2. Import your text content:
  - Upload Word documents (.docx)
  - The application will automatically detect the book's chapters matching the Heading 1 tag
3. The manuscript previewer provides:
  - Chapter and section organization
  - Text preview
  - The basis for the rest of the workflow to work with

## Step 4: Assign Voices

1. Navigate to the  **Casting** tab

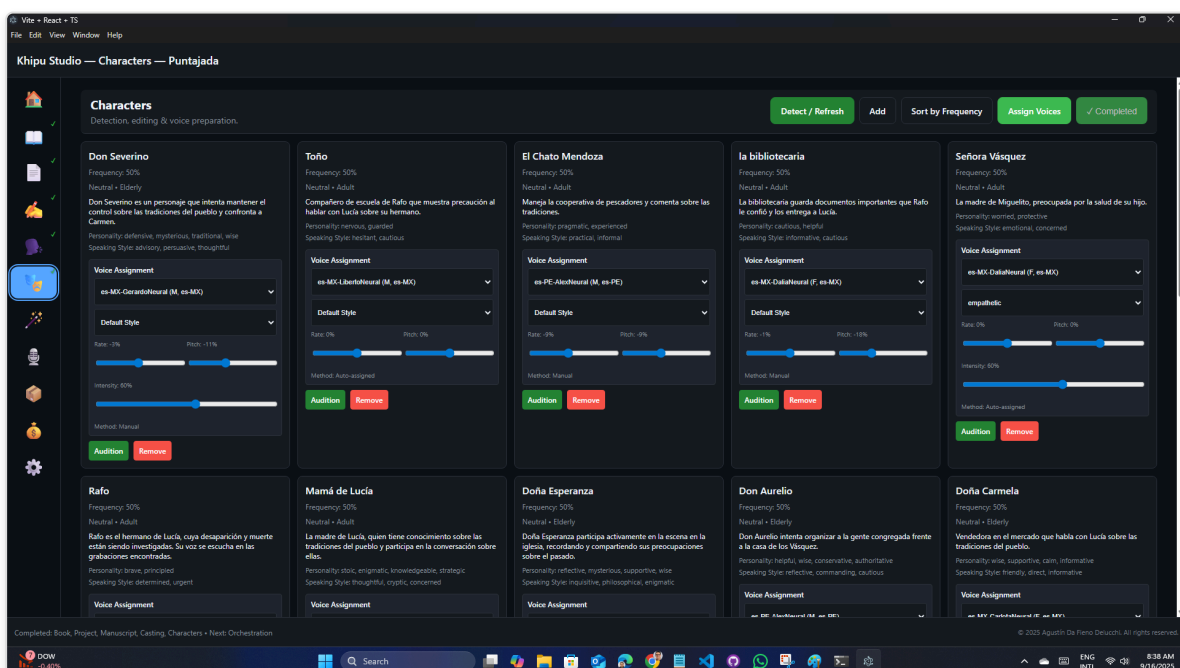


2. You will see a list of available characters provided by the selected TTS engine, as well as for the book language. You can then:

- Filter and select voices for your book (gender and locale)
- Test voice samples to check for voice fit into your story
- Add additional languages beyond those matching the book's main language

## Step 5: Detect Characters

1. Switch to the  **Characters** tab



## 2. Run character detection:

- Click "Detect Characters" to automatically find all speaking characters in your manuscript
- The AI analyzes dialogue patterns and speech attribution
- Progress tracking shows detection status for each chapter or each character, select:
  - Specific voice from the casting -- Voice parameters (speed, pitch, style)

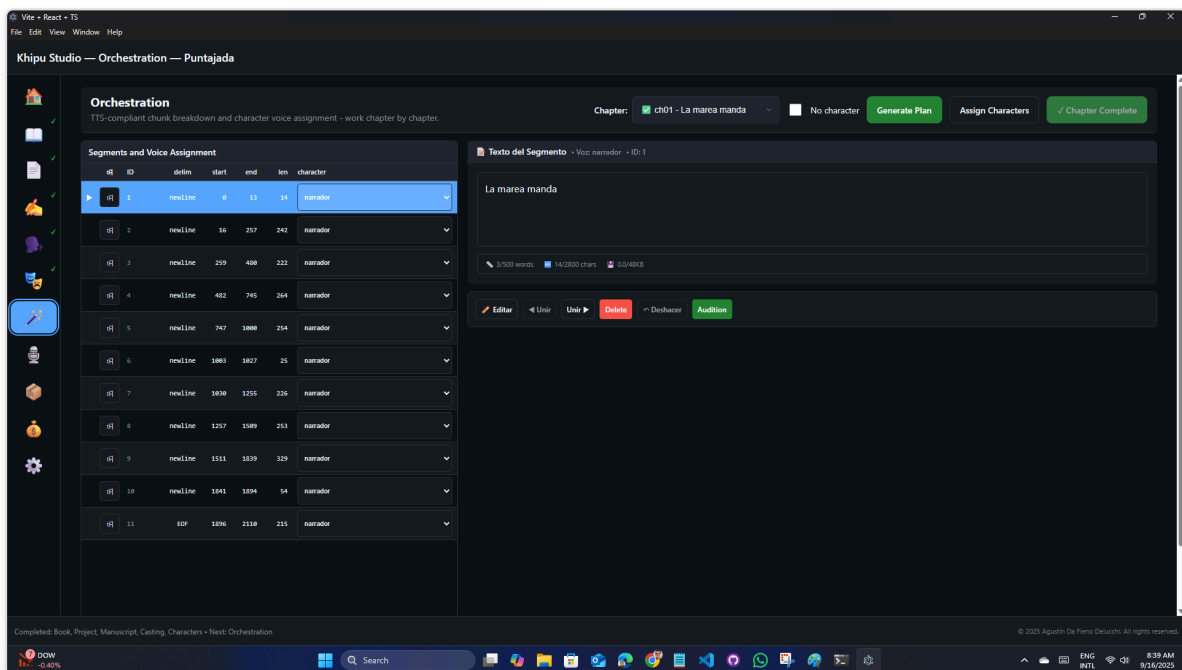
## 3. Test voice samples to ensure character voices match your vision

## 4. Configure narrator voice for non-dialogue content

## 5. Manually add and remove characters, as needed

# Step 6: Plan Audio Segments

## 1. Open the 🎵 **Orchestration** tab



## 2. AI-powered segmentation:

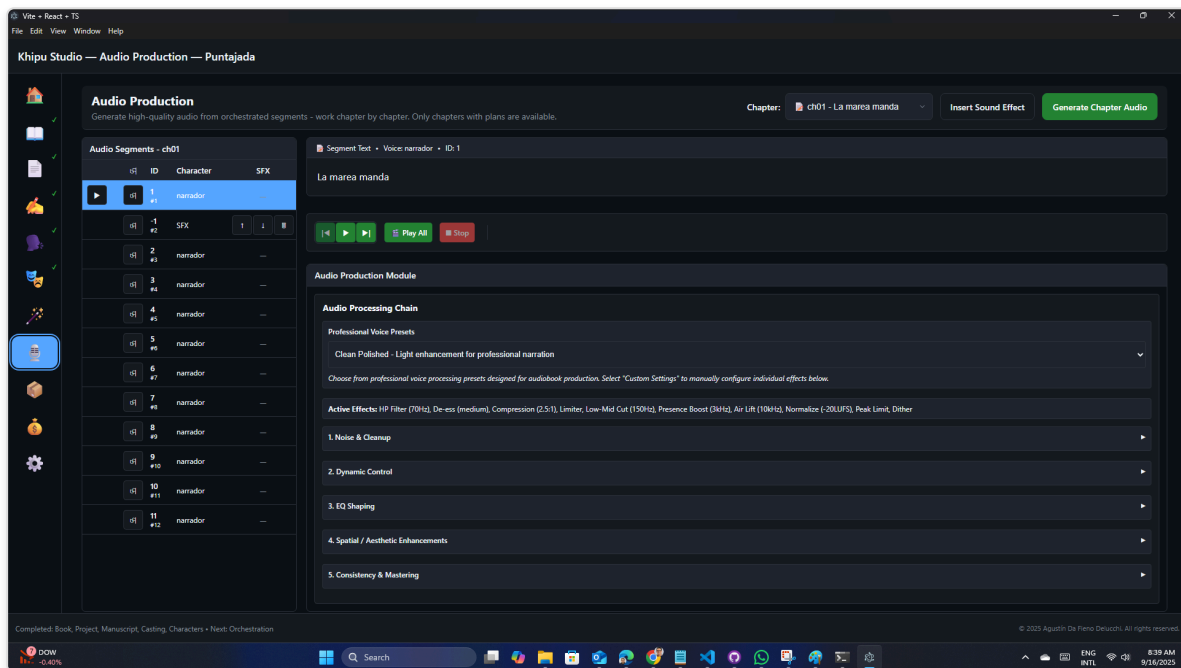
- Automatic content analysis identifies optimal segment boundaries
- Speaker assignment based on context and character detection
- Dialogue attribution and narrative flow recognition

### 3. Review and adjust:

- Modify segment boundaries as needed
- Verify speaker assignments are correct
- Lock approved segments to prevent accidental changes

## Step 7: Generate Audio

### 1. Go to the **Audio Production** tab



### 2. Audio production process:

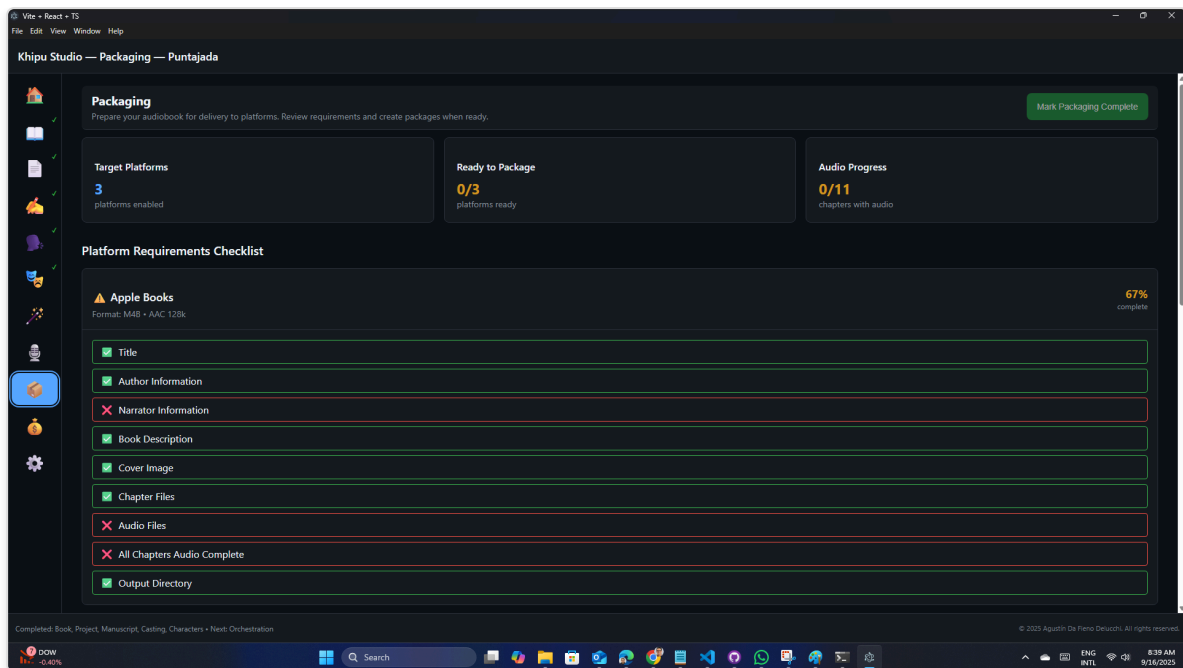
- Select segments to generate (individual, chapter, or full book)
- Monitor generation progress and queue status
- Preview generated audio before finalizing

### 3. Audio processing features:

- Noise reduction and audio enhancement
- Volume normalization across segments
- Fade in/out and silence padding
- Custom audio effects and sound integration

## Step 8: Export Your Audiobook

### 1. Navigate to the **Packaging** tab



## 2. Final assembly:

- Combine all audio segments into chapters
- Add chapter markers and metadata
- Generate playlist files and track information

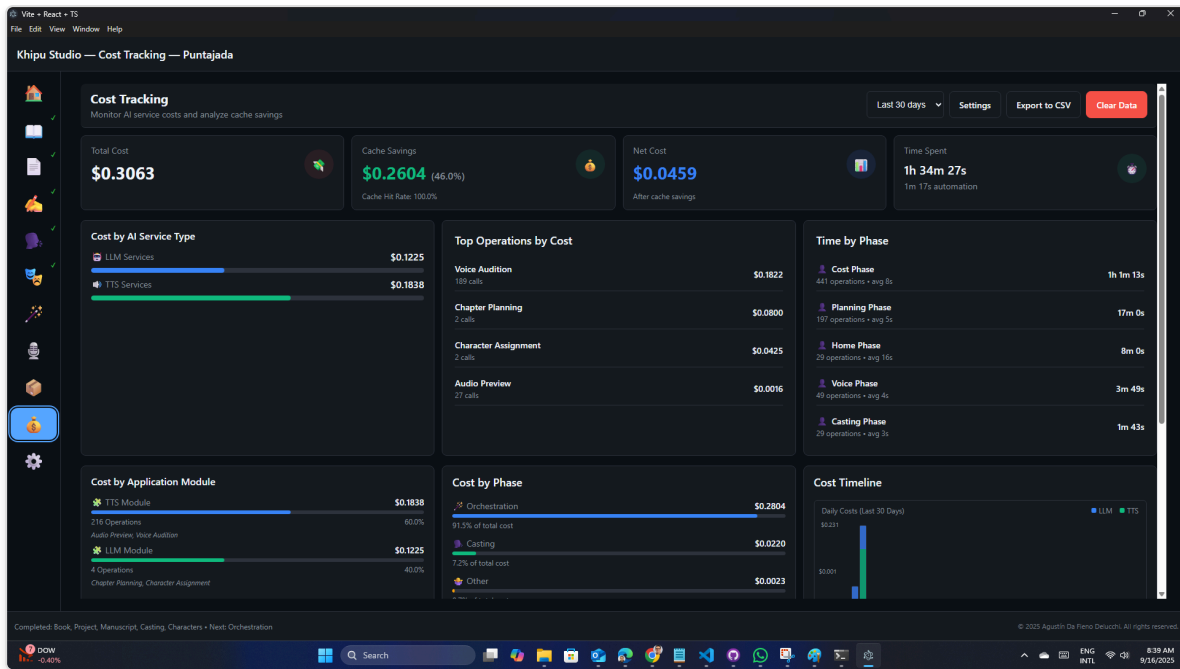
## 3. Export options:

- High-quality audio formats (WAV, MP3, M4A)
- Audiobook-specific formats (M4B with chapters)
- Streaming-ready formats with embedded metadata

# Step 9: Monitor Costs

1. Check the 💰 **Cost** tab regularly



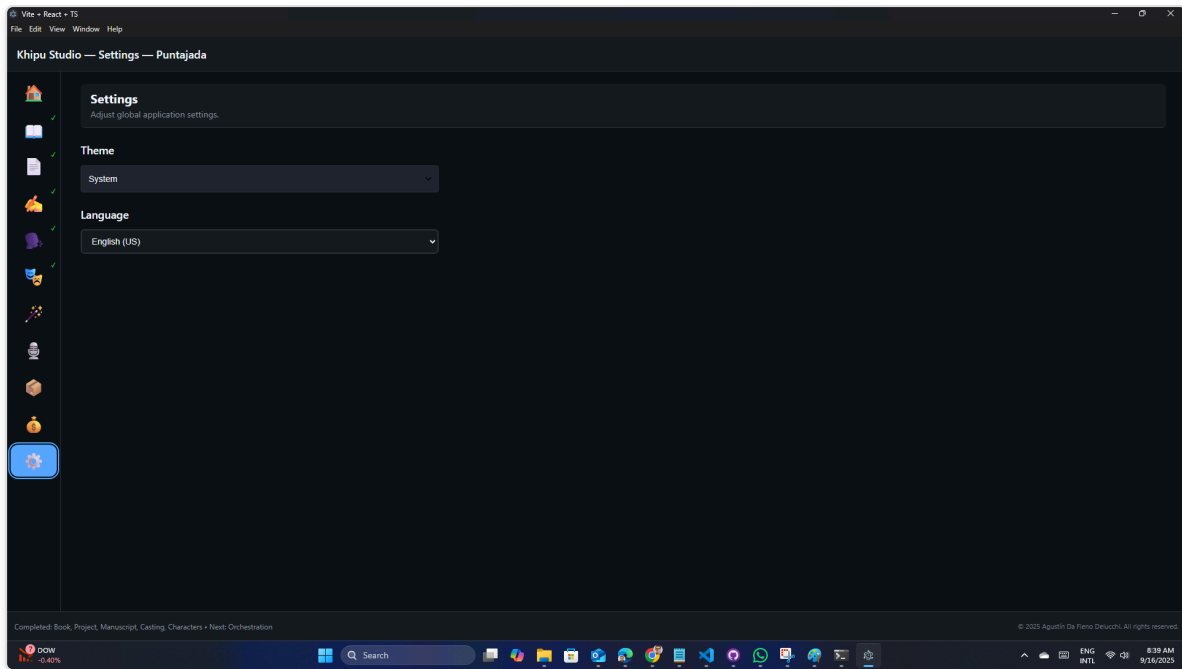


- Cost management features:
  - Real-time tracking of TTS service usage
  - Detailed cost breakdown by operation type
  - Cache effectiveness analysis to optimize costs

## Application Settings

Use the **Settings** tab to change overall settings for:

- User interface appearance (theme)
- Application language. English (United States), Portuguese (Brazil), and Spanish (Peru) are currently supported



## Advanced Features

### Character Detection AI

- Automatically analyze manuscripts to identify speaking characters
- Parse dialogue patterns and speech attribution
- Handle complex narrative structures and unnamed speakers
- Progress tracking for large manuscripts with multiple chapters

### Intelligent Audio Segmentation

- AI-powered content analysis for optimal audio segment boundaries
- Automatic speaker assignment based on context and character detection
- Smart dialogue attribution and narrative flow recognition
- Segment locking system to preserve approved content

### Audio Processing Pipeline

- Professional audio effects chain with noise reduction and EQ
- Batch processing capabilities for efficiency
- Caching system to avoid regenerating unchanged content

- Preview system for quality control before final export

## **Cost Management and Analytics**

- Real-time tracking of TTS service usage and associated costs
- Detailed breakdowns by operation type (detection, generation, processing)
- Budget alerts and cost optimization recommendations
- Cache effectiveness analysis to maximize savings

## **Sound Effects Integration**

- Insert custom sound effects at specific points in your audiobook
- Control timing and volume precisely for professional results
- Build and manage a library of reusable effects
- Sync effects with narrative content and dialogue

## **Batch Operations and Automation**

- Process multiple chapters simultaneously for efficiency
- Apply consistent settings across multiple segments
- Bulk revision marking and processing workflows
- Automated quality checks and validation

## **Tips for Best Results**

### **Manuscript Preparation**

- Ensure clear dialogue attribution in your text
- Use consistent formatting for chapter breaks and sections
- Include speaker tags or action beats to help with character detection
- Clean up formatting issues before importing

### **Voice Selection**

- Listen to voice samples for each character before committing
- Consider character personality, age, and background when selecting voices

- Test dialogue between characters to ensure voices work well together
- Use distinct voices for main characters, similar voices for minor ones

## Quality Control

- Always preview generated audio segments before finalizing
- Check for mispronunciations and adjust using phonetic spelling
- Verify proper pacing and timing, especially for dialogue
- Test audio levels and ensure consistency across segments

## Cost Optimization

- Use the caching system effectively by avoiding unnecessary regeneration
- Plan your segments thoughtfully to minimize TTS service calls
- Monitor cost tracking regularly to stay within budget
- Take advantage of bulk processing for better efficiency

## Performance Tips

- Close unnecessary applications when processing large projects
- Allow sufficient disk space for audio cache and temporary files
- Use the preview system to test small sections before full generation
- Save your project frequently to avoid losing progress

# Troubleshooting

## Common Issues

- **Character detection missing speakers:** Check dialogue formatting and add manual character entries
- **Audio generation errors:** Verify TTS service credentials and network connectivity
- **Slow processing:** Close other applications and ensure adequate system resources
- **Export failures:** Check available disk space and file permissions

## Getting Help

- Check the Settings tab for configuration options
- Review error messages in the application console
- Ensure all required services (TTS providers) are properly configured
- Restart the application if experiencing persistent issues

---

*This guide covers the core functionality of Khipu Studio. For detailed technical specifications and advanced configuration options, refer to the complete feature documentation.*