

Manual Setup Guide - What YOU Need to Do

Overview

This guide shows ONLY the manual steps YOU need to do at each phase. Everything else should be handled by Cursor/AI.

Phase 1: Core Infrastructure

1.1.1 - Initialize Project

YOUR MANUAL STEPS:

```
bash

# 1. Create project folder and navigate to it
mkdir campaign-tts-processor
cd campaign-tts-processor

# 2. Let Cursor create all the files using the artifact

# 3. Install dependencies
npm install
```

1.1.2 - Dependencies & Environment

YOUR MANUAL STEPS:

```
bash

# 1. Create your environment file
cp .env.example .env

# 2. Edit .env file and add your API key (or fake one for testing)
# Open .env in editor and change:
# ELEVENLABS_API_KEY=sk_fake_key_for_testing

# 3. Test the setup (optional)
node backend/test-env.js
```

1.1.3 - Basic Server Setup

YOUR MANUAL STEPS:

```
bash
```

```
# 1. Start the server
```

```
npm run dev
```

```
# 2. Open browser
```

```
# Go to: http://localhost:3000
```

```
# 3. Verify you see the status page
```

1.2.1 - Frontend Upload Interface

YOUR MANUAL STEPS: None - just keep server running

1.2.2 - File Processing Pipeline

YOUR MANUAL STEPS:

```
bash
```

```
# 1. Install additional packages
```

```
npm install --save textract uuid
```

```
# 2. Restart server if needed
```

```
# Ctrl+C to stop, then npm run dev again
```

1.2.3 - Initial File Preview

YOUR MANUAL STEPS: None - just test the upload

Phase 2: Script Parsing Engine

2.1.1 - Core Parser Logic

YOUR MANUAL STEPS: None

2.1.2 - Dialogue Extraction

YOUR MANUAL STEPS: None

2.1.3 - Stage Direction Removal

YOUR MANUAL STEPS: None

2.2.1 - Visual Parse Preview

YOUR MANUAL STEPS: None

2.2.2 - Removed Content Preview

YOUR MANUAL STEPS: None

2.2.3 - Parse Validation

YOUR MANUAL STEPS: None - just test it works

Phase 3: Speaker-to-Voice Mapping

3.1.1 - ElevenLabs Voice Fetching

YOUR MANUAL STEPS:

```
bash

# 1. Get your REAL ElevenLabs API key
# Go to: https://elevenlabs.io/
# Login → Profile → API Keys → Copy your key

# 2. Update .env file
# ELEVENLABS_API_KEY=your_real_api_key_here
```

3.1.2 - Speaker Mapping UI

YOUR MANUAL STEPS: None

3.1.3 - Voice Preview System

YOUR MANUAL STEPS: None - just test voices work

3.2.1 - Per-Voice Settings

YOUR MANUAL STEPS: None

3.2.2 - Mapping Persistence

YOUR MANUAL STEPS: None

3.2.3 - Validation & Warnings

YOUR MANUAL STEPS: None

Phase 4: Cost Calculation & Warnings

4.1.1 - Accurate Character Count

YOUR MANUAL STEPS: None

4.1.2 - Quota vs Overage Calculator

YOUR MANUAL STEPS:

```
bash
```

```
# 1. Check your ElevenLabs subscription quota
```

```
# Go to ElevenLabs dashboard → Check your character limit
```

```
# 2. Update .env file
```

```
# ELEVENLABS_SUBSCRIPTION_QUOTA=your_actual_quota_number
```

4.1.3 - Cost Preview Display

YOUR MANUAL STEPS: None

4.2.1-4.2.3 - Warning Thresholds

YOUR MANUAL STEPS: None - review warnings when shown

Phase 5: Processing Engine

5.1.1 - Processing Queue Structure

YOUR MANUAL STEPS: None

5.1.2 - ElevenLabs API Integration

YOUR MANUAL STEPS:

- Make sure you have credits/subscription active
- Be ready to monitor usage on ElevenLabs dashboard

5.1.3 - Chunking for Long Dialogue

YOUR MANUAL STEPS: None

5.2.1-5.2.3 - Progress Tracking

YOUR MANUAL STEPS: None - just monitor progress

Phase 6: File Management & Output

All Checkpoints

YOUR MANUAL STEPS:

- Check `outputs/` folder for generated files
 - Download files when complete
-

Phase 7: Advanced Features

YOUR MANUAL STEPS: None - all optional enhancements

Phase 8: Testing & Deployment

8.1.1-8.1.3 - Testing

YOUR MANUAL STEPS:

- Provide real episode files for testing
- Report any bugs found

8.2.1 - Production Setup

YOUR MANUAL STEPS: (Only if deploying)

```
bash

# 1. Get a domain
# 2. Set up hosting (VPS, etc)
# 3. Configure SSL certificate
# 4. Set production environment variables
```

8.2.2-8.2.3 - Monitoring & Maintenance

YOUR MANUAL STEPS: Monitor usage and costs

Quick Reference - Critical Manual Steps

1. **Before Starting:** Create project folder
2. **Phase 1.1.1:** Run `npm install`
3. **Phase 1.1.2:** Create `.env` file from `.env.example`
4. **Phase 1.1.3:** Run `npm run dev` and test
5. **Phase 1.2.2:** Run `npm install --save textract uuid`
6. **Phase 3.1.1:** Add REAL ElevenLabs API key
7. **Phase 4.1.2:** Update quota in `.env`
8. **Phase 5+:** Monitor ElevenLabs usage

Troubleshooting

Server won't start?

- Check `.env` file exists

- Run `npm install` again
- Check you're in the right folder

Upload not working?

- Check server is running
- Check browser console for errors
- Make sure `uploads/temp/` folder exists

Can't see anything at localhost:3000?

- Check server terminal for errors
- Try `http://127.0.0.1:3000` instead
- Make sure port 3000 isn't already in use