# Digital Quill Publishing

## Simplified Installation Guide

\*For users with minimal coding experience\*

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## Introduction

This guide will walk you through installing the Digital Quill Publishing application on your Windows computer. The process involves a few technical steps, but we've made them as straightforward as possible. Just follow each step in order.

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## Prerequisites

Before you begin, make sure you have:

1. \*\*Windows 10 or 11\*\* operating system

2. \*\*Administrator access\*\* to your computer

3. \*\*Internet connection\*\*

4. \*\*At least 2GB\*\* of free disk space

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## Step 1: Install Node.js

Node.js is required software that allows your computer to run the Digital Quill Publishing application.

1. Visit the official Node.js website: https://nodejs.org/

2. Click the \*\*LTS\*\* button (which stands for "Long Term Support") to download the recommended version.

3. Once downloaded, open the installer file (it will have a name like "node-v18.x.x-x64.msi").

4. Follow the installation wizard:

- Click "Next" on the welcome screen

- Accept the license agreement and click "Next"

- Choose the destination folder (the default is fine) and click "Next"

- On the Custom Setup screen, keep the default settings and click "Next"

- Click "Install" to begin the installation

- When complete, click "Finish"

5. Verify the installation:

- Press the Windows key + R to open the Run dialog

- Type "cmd" and press Enter

- In the Command Prompt window, type: `node --version`

- You should see something like "v18.x.x" which confirms Node.js is installed

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## Step 2: Download the Digital Quill Installation Package

1. Create a folder on your computer where you want to install Digital Quill Publishing

- For example: "C:\Users\YourUsername\Documents\Digital Quill Publishing"

2. Download the Digital Quill installation files

- If you received a ZIP file, extract all contents to the folder you created

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## Step 3: Run the Simple Installation Script

1. Open Command Prompt:

- Press the Windows key + R

- Type "cmd" and press Enter

2. Navigate to your Digital Quill Publishing folder:

- Type `cd` followed by the path to your folder, for example:

```

cd C:\Users\YourUsername\Documents\Digital Quill Publishing

```

- Press Enter

3. Run the installation script:

- Type the following command and press Enter:

```

node simple-install.js

```

4. Follow the prompts:

- When asked for an installation directory, you can press Enter to use the default name or type a custom name

- When asked if you want to install dependencies, type `y` and press Enter

5. Wait for the installation to complete

- This may take several minutes as it downloads and installs necessary files

- You'll see a success message when it's done

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## Step 4: Create the Directory Structure

After the basic installation, you need to create additional folders:

1. Open File Explorer and navigate to your Digital Quill Publishing project folder

2. Inside this folder, create the following structure of folders:

- `src\shared\types`

- `src\agents\base`

- `src\agents\literary`

- `src\renderer\components`

You can do this by right-clicking, selecting "New" > "Folder", and creating each folder in the right location.

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## Step 5: Create Configuration Files

Now you need to create several configuration files:

1. Open Notepad or another text editor

2. Create the following files with the content described:

\*\*tsconfig.json\*\* (in the main project folder):

- This file configures TypeScript compilation settings

- File contents will be provided separately

\*\*webpack.main.config.js\*\* and \*\*webpack.renderer.config.js\*\* (in the main project folder):

- These files configure how the application is built

- File contents will be provided separately

3. Save each file with the exact name specified (including the extension)

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## Step 6: Create Source Files

Next, you need to create the source code files. For each file:

1. Create a new text file in the specified location

2. Copy the content provided for that file

3. Save with the exact filename (including the .ts or .tsx extension)

Key files to create include:

- `src\shared\types\agent.ts` - Defines the agent interfaces

- `src\shared\types\window.d.ts` - Defines the window API types

- `src\agents\base\BaseAgent.ts` - Implements the base agent class

- `src\agents\literary\LiteraryAgent.ts` - Implements the Literary Agent

- `src\agents\literary\literaryAgentService.ts` - Implements Literary Agent services

- `src\main\index.ts` - Main application entry point

- `src\main\preload.ts` - Preload script for Electron

- `src\renderer\index.html` - HTML template

- `src\renderer\index.tsx` - Renderer entry point

- `src\renderer\App.tsx` - Main application component

- `src\renderer\components\AgentSidebar.tsx` - Sidebar component

- `src\renderer\components\ChatInterface.tsx` - Chat interface component

- `src\renderer\components\AgentComputer.tsx` - Agent's computer component

- `src\renderer\components\Terminal.tsx` - Terminal component

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## Step 7: Create Helper Scripts

Create these batch files to make running the application easier:

1. \*\*dev.bat\*\* (in the main project folder):

```batch

@echo off

echo =====================================================

echo Digital Quill Publishing Development Server

echo =====================================================

echo.

npm run dev

```

2. \*\*build.bat\*\* (in the main project folder):

```batch

@echo off

echo =====================================================

echo Digital Quill Publishing Build Script

echo =====================================================

echo.

npm run build

```

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## Step 8: Create Asset Placeholders

1. In the `assets\avatars` folder, create a file named `README.txt` with this content:

```

Place agent avatar images here.

Required avatars:

- literary-agent.png

```

2. Add a placeholder image for the Literary Agent:

- Find or create a 200x200 pixel image

- Save it as `literary-agent.png` in the `assets\avatars` folder

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## Step 9: Running the Application

To run Digital Quill Publishing:

1. Open Command Prompt

2. Navigate to your project folder

3. Run the development server:

```

npm run dev

```

(or simply double-click the `dev.bat` file)

4. The application should launch in a new window

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## Troubleshooting

If you encounter issues:

1. \*\*Installation errors\*\*:

- Make sure Node.js is properly installed

- Try running the Command Prompt as Administrator

- Check that you have a stable internet connection

2. \*\*Missing module errors\*\*:

- Run `npm install` in your project folder to reinstall dependencies

3. \*\*Application won't start\*\*:

- Check if all the files were created correctly

- Make sure you created all the necessary directories

- Verify that file paths in your code match your directory structure

4. \*\*For additional help\*\*:

- Contact technical support at support@digitalquillpublishing.com

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## What's Next?

After successful installation, you can:

1. Explore the Literary Agent features

2. Create and upload your manuscripts

3. Get AI-powered feedback on your writing

4. Use the Agent's Computer view to see how the AI thinks about your work

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\*Note: This is a simplified installation guide. For advanced setup options or development instructions, please refer to the technical documentation.\*