



F5-TTS Voice Cloning **Setup & Run Guide**

Clone your voice locally with free, open-source AI
Windows 11 · Beginner Friendly

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This guide has two parts: a one-time install you do once, and a short start-up routine you repeat every time you want to use the app (including after a PC restart). You never reinstall — after a restart you just reactivate and launch.

THE GOLDEN RULE

Always use the **Anaconda Prompt** window, never the plain Command Prompt. Open it from the Start menu (type "Anaconda Prompt"). You know it's the right window when the line starts with `(base)`. If you ever see `"conda is not recognized"`, you opened the wrong window — close it and open Anaconda Prompt instead.

Before you start: install **Anaconda** (free) if you don't already have it. It gives you the `conda` command and an isolated Python environment.

PART A

One-Time Install

1 Create a clean, isolated environment

This builds a private "box" so F5-TTS can't interfere with any other AI tools on your PC. When it asks to confirm, type `y` and press Enter.

```
conda create -n f5-tts python=3.11
```

2 Step into the environment

After this, the start of the line changes from `(base)` to `(f5-tts)`. That means you're inside the box.

```
conda activate f5-tts
```

3 Install FFmpeg (audio plumbing)

Type `y` and Enter when prompted.

```
conda install ffmpeg
```

4 Install PyTorch (the AI engine)

Pick the option that matches your PC:

Most NVIDIA GPUs — RTX 20 / 30 / 40 series, GTX 16 series and newer

```
pip install torch torchaudio --index-url https://download.pytorch.org/whl/cu121
```

NVIDIA RTX 50-series ("Blackwell") — needs a newer CUDA build

```
pip install torch==2.8.0+cu128 torchaudio==2.8.0+cu128 --extra-index-url https://download.pytorch.org/whl/cu128
```

No NVIDIA GPU, or not sure — runs on CPU instead (works, just slower)

```
pip install torch torchaudio
```

This is a large download (1–3 GB), so give it a few minutes. Not sure which GPU you have? Right-click the Start button → Device Manager → Display adapters.

5 Install F5-TTS itself

```
pip install f5-tts
```

That's it — the install is finished. You won't repeat Part A again.

PART B

Start the App (Every Time, Including After a Restart)

1 Open the Anaconda Prompt

Start menu → type "Anaconda Prompt" → open it. The line shows `(base)`.

2 Activate your environment

```
conda activate f5-tts
```

The line changes to `(f5-tts)`.

3 Launch the web app

```
f5-tts_infer-gradio
```

4 Open it in your browser

Wait for a line like `Running on local URL: http://127.0.0.1:7860`, then open that address in your browser. (The very first launch downloads the voice model once — a few minutes. After that it's instant.)

5 When you're done

Go back to the Anaconda Prompt window and press `Ctrl + C` to stop it, or just close the window.

KEEP THIS WINDOW OPEN

Leave the Anaconda Prompt running the whole time you use the app. Closing it shuts the voice cloner down.

PART C

Clone Your Voice (In the Browser)

1. **Reference Audio** — upload a clean 10–15 second WAV clip of the voice you want to clone.
2. **Reference Text** — paste the exact words spoken in that clip.
3. **Text to Generate** — type any new sentence you want spoken in that voice.
4. Click **Generate**. The first run is slow; every run after that is fast.

Quick Fixes

PROBLEM	FIX
"conda is not recognized"	You're in the plain Command Prompt. Close it and open Anaconda Prompt instead.
Line doesn't show (f5-tts)	Run <code>conda activate f5-tts</code> again before launching.
First launch is slow / "downloading"	Normal — it's fetching the voice model once. Only happens the first time.
"CUDA out of memory"	Your GPU doesn't have enough VRAM for this clip length. Try a shorter reference clip, or fall back to the CPU install in Step 4.
Generation is very slow, no errors	You're likely running on CPU. That's expected without an NVIDIA GPU — it still works, just takes longer.

Licensing note: the pretrained model is non-commercial (CC-BY-NC) — fine for learning, personal projects, and portfolios, not for commercial products.