

# Missing Files for Your Flux Setup

Download these 3 files to make everything work fast:

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## File 1: clip\_l.safetensors (246 MB)

**What it is:** Basic CLIP text encoder (required)

**Download:** [https://huggingface.co/comfyanonymous/flux\\_text\\_encoders/resolve/main/clip\\_l.safetensors](https://huggingface.co/comfyanonymous/flux_text_encoders/resolve/main/clip_l.safetensors)

**Save to:**

D:\misc\ComfyUI\ComfyUI\models\clip\clip\_l.safetensors

### How to download:

1. Click the link above
  2. Your browser will start downloading automatically
  3. Move the file to the `clip` folder
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## File 2: t5xxl\_fp8\_e4m3fn.safetensors (4.89 GB)

**What it is:** Advanced T5 text encoder (FP8 optimized for speed)

**Download:** [https://huggingface.co/comfyanonymous/flux\\_text\\_encoders/resolve/main/t5xxl\\_fp8\\_e4m3fn.safetensors](https://huggingface.co/comfyanonymous/flux_text_encoders/resolve/main/t5xxl_fp8_e4m3fn.safetensors)

**Save to:**

D:\misc\ComfyUI\ComfyUI\models\clip\t5xxl\_fp8\_e4m3fn.safetensors

### How to download:

1. Click the link above
2. Wait for 4.89 GB download (takes 5-20 minutes depending on speed)
3. Move to the `clip` folder

**IMPORTANT:** Make sure you get `t5xxl_fp8_e4m3fn.safetensors` NOT `t5xxl_fp8_e4m3fn_scaled.safetensors` (the scaled version is slower)

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## File 3: ae.safetensors (335 MB)

**What it is:** VAE (image encoder/decoder for Flux)

**Download:** <https://huggingface.co/black-forest-labs/FLUX.1-schnell/resolve/main/ae.safetensors>

**Save to:**

D:\misc\ComfyUI\ComfyUI\models\vae\ae.safetensors

### How to download:

1. Click the link above
  2. Browser downloads automatically
  3. Move to the `vae` folder
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## Final Folder Structure

After downloading, verify your files are here:

```
D:\misc\ComfyUI\ComfyUI\models\  
|  
|   checkpoints\  
|   |   flux1-dev-fp8.safetensors (11 GB) ✓ You have this  
|  
|   clip\  
|   |   clip_l.safetensors (246 MB) ← Download this  
|   |   t5xxl_fp8_e4m3fn.safetensors (4.89 GB) ← Download this  
|  
|   controlnet\  
|   |   flux-controlnet-depth.safetensors ✓ You have this  
|   |   flux-canny-controlnet-v3.safetensors ✓ You have this  
|  
|   vae\  
|   |   ae.safetensors (335 MB) ← Download this
```

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**Total Downloads: ~5.5 GB**

**Download time estimate:**

- Fast connection (100 Mbps): ~8 minutes
  - Medium connection (50 Mbps): ~15 minutes
  - Slow connection (25 Mbps): ~30 minutes
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**After Downloading:**

1. **Restart ComfyUI** (Ctrl+C in console, run `(run_nvidia_gpu.bat)`)
  2. **Load any Flux workflow** - they should all work now
  3. **Generation time should be 15-25 seconds** (instead of 267!)
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**Troubleshooting:**

**If files don't appear in dropdowns:**

- Make sure files are in the EXACT folders shown above
- Restart ComfyUI completely
- Check file sizes match what's listed here

**If download fails:**

- Right-click the link → "Save link as"
- Or use a download manager
- HuggingFace sometimes requires you to be logged in (free account)