

# User Manual

**Cubby Image v0.3.0**  
(Plugin for Photoshop)

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# What is Cubby Image?

Cubby Image brings AI image generation, inpainting, and upscaling to Photoshop. Use context images to guide results, generate variants in a selection or across the entire canvas, and inpaint directly into existing images—without leaving your document. Connect your own API accounts (Replicate, fal.ai, Google Gemini) to run state-of-the-art models.

## Key features

API Provider	Description
Generate Images	Use modern image generation models to bring your creative visions to life.
Inpainting	Paint directly into existing images; results land as masked layers for seamless blends
Context Images	Add multiple context images from files or directly from layers, selections, or clipboard
Upscale	High-quality upscaling via supported providers for crisp results.
Remove Background	Remove backgrounds from any image. You can decide whether you want to mask the original image (recommended, retains detail) or receive an image with the background already removed.
Non-destructive workflow	Outputs are inserted as new layers with masks—easy to tweak or revert.
Simple install	CCX via Adobe's Unified Plugin Installer Agent (UPIA) on macOS and Windows.
Connect to well-known providers	Connect your own API keys (Replicate, fal.ai, Google Gemini). No bundled credits or hidden fees.
Secure	Keys are stored and encrypted locally; images and prompts are sent only to the providers you choose when you run a task.

# System Requirements

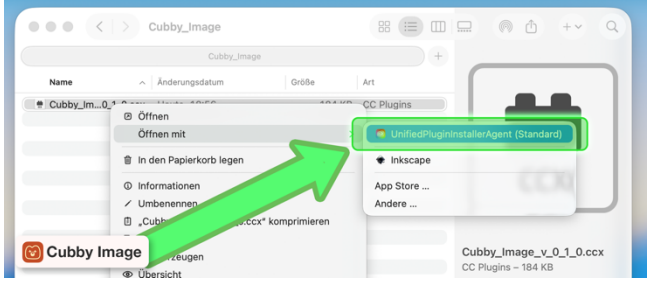
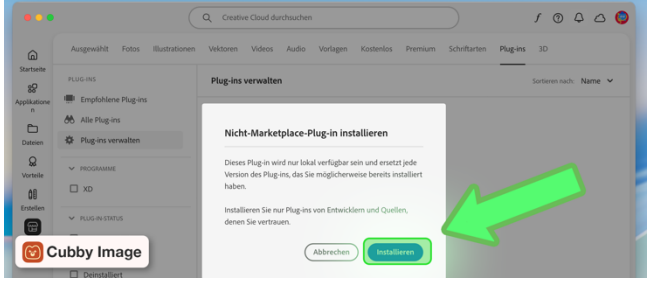
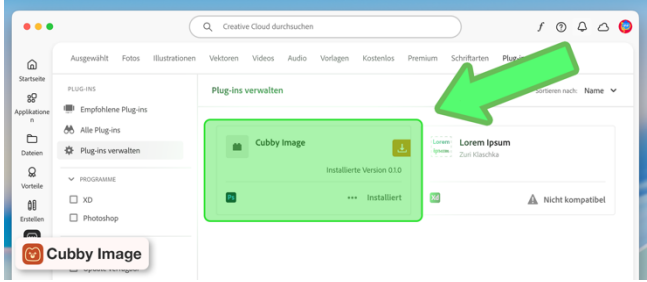
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- Adobe Photoshop 26.10.0 or later
- Mac or Windows Machine
- Adobe Creative Cloud Desktop app for installation via Adobe's [Unified Plugin Installer Agent](#) (UPIA)
- Internet access to access the APIs
- **!!Your own API keys**
  - o Cubby Image lets you connect to multiple API providers ([Replicate](#), [fal.ai](#), [Gemini](#)) who offer different Image Generation models
  - o Cubby Image does not come with Tokens or Keys by itself, you need to provide your own
  - o Please refer to the [APIs & Models](#) section of the document to see which models are integrated for each provider

# Setting Up Cubby Image

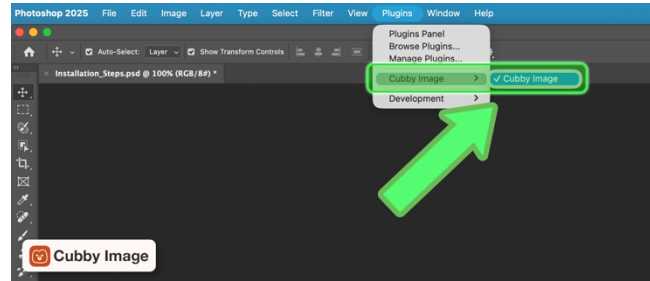
Installing Cubby Image is a breeze; it's as easy as double clicking the provided .ccx file. To use Cubby Image you will need API keys to connect to the image model providers. We will show you how to do that – you will be ready to start creating in no time.

## Installation Guide

<h3>1. Download the .ccx file</h3>	
<ul style="list-style-type: none"><li>▪ <i>Download the plugin file (Cubby_Image_v_x_y_z.ccx) provided by the commerce platform.</i></li></ul>	
<h3>2. Quit Photoshop</h3>	
<ul style="list-style-type: none"><li>▪ <i>Before proceeding with installation, make sure Photoshop is completely closed.</i></li></ul>	
<h3>3. Open the .ccx file</h3>	
<ul style="list-style-type: none"><li>▪ <i>Locate the .ccx file on your system and open it with Adobe's Unified Plugin Installer Agent (UPIA).</i></li><li>▪ <i>On most systems, simply double-clicking the file will launch UPIA.</i></li></ul>	
<h3>4. Install the plugin</h3>	
<ul style="list-style-type: none"><li>▪ <i>UPIA will prompt you to confirm installation.</i></li><li>▪ <i>Select Install.</i></li></ul>	
<h3>5. Confirm installation</h3>	
<ul style="list-style-type: none"><li>▪ <i>Open the Creative Cloud Desktop App → Plugins → Manage Plugins</i></li><li>▪ <i>Confirm that Cubby Image appears as installed</i></li></ul>	

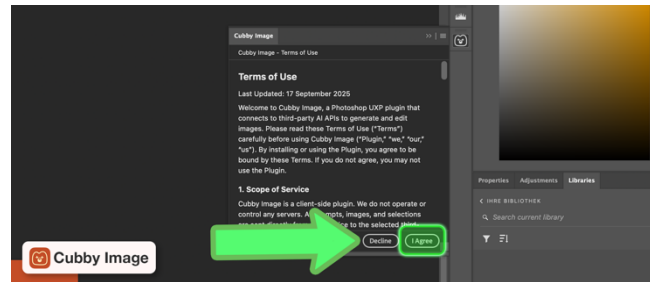
## 6. Launch Photoshop

- *Start Photoshop and open the plugin via: Photoshop → Plugins → Cubby Image*



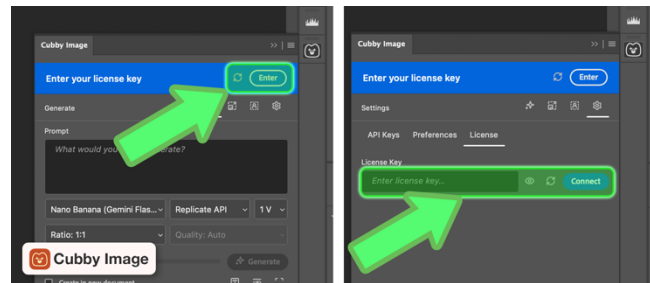
## 7. Accept the Terms of Use

- *On first launch, you will be asked to review and accept the Terms of Use*
- *Click I Agree to continue*



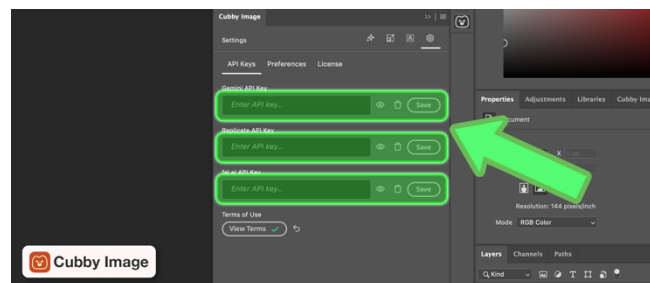
## 8. Enter your License Key

- *Copy your License Key from Gumroad*
- *Click on 'Enter'*
- *Enter your License key and click 'Connect'*



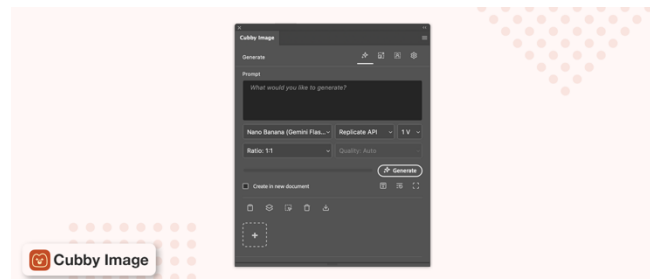
## 9. Enter your API keys

- *Navigate to the plugin settings*
- *Enter your API keys (for example, Gemini or Replicate) and click 'Save'*



## 10. Start creating

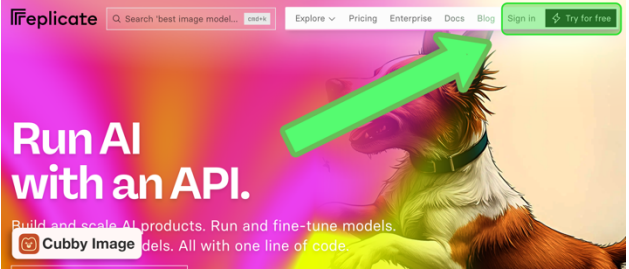
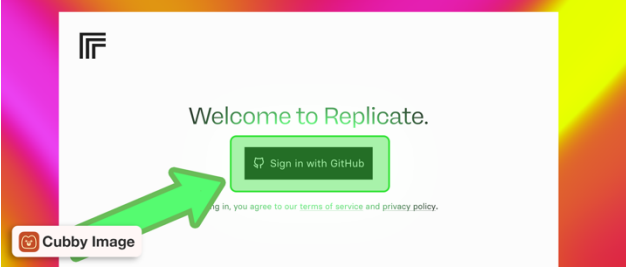
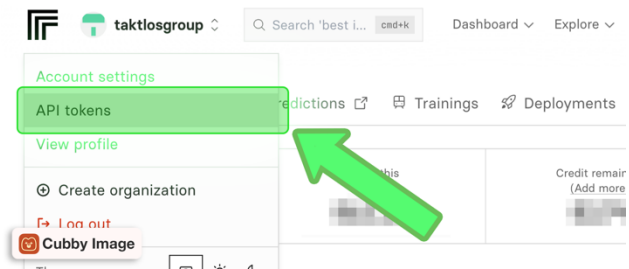

- *Once configured, you're ready to generate images directly inside Photoshop with Cubby Image.*
- *Installation Complete!*



# Replicate API Keys

Replicate is a cloud service that lets you run powerful AI models without needing to set them up on your own computer. Instead of installing large machine-learning frameworks locally, you send a request to Replicate's servers, and the model runs there. This makes it possible to generate images, audio, or other AI-powered results quickly, directly from your applications.

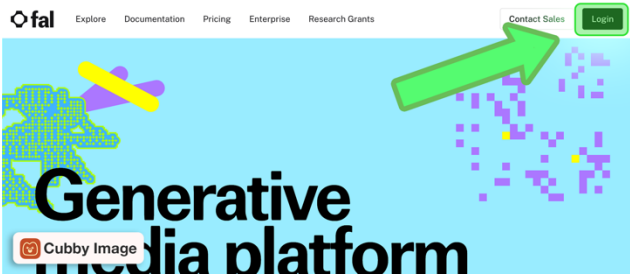
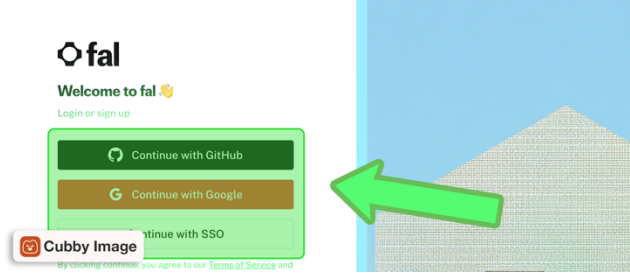
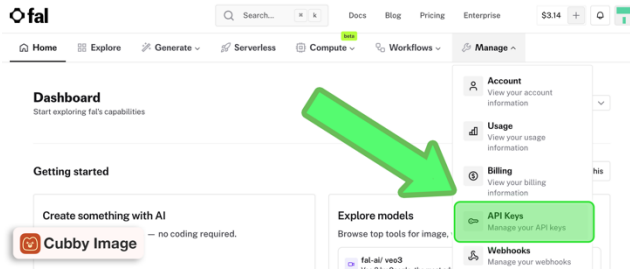
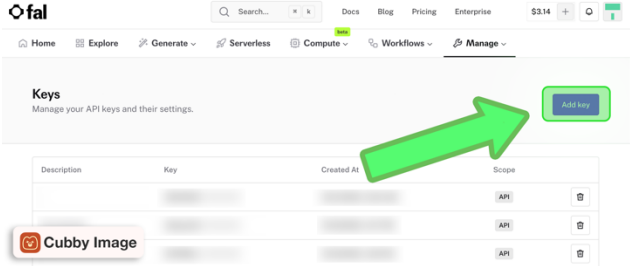
## How to Generate a Replicate Key

<p>1. Go to Replicate</p> <ul style="list-style-type: none"><li>▪ Open <a href="https://replicate.com">https://replicate.com</a></li><li>▪ Click <i>Sign in</i> (top right)</li></ul>	
<p>2. Sign in / Create account</p> <ul style="list-style-type: none"><li>▪ Sign in using <i>GitHub</i> or create a new account</li></ul>	
<p>3. Go to APITokens</p> <ul style="list-style-type: none"><li>▪ In the dashboard, click your profile icon</li><li>▪ Navigate to <i>Account</i> → <i>API Tokens</i></li></ul>	
<p>4. Create token</p> <ul style="list-style-type: none"><li>▪ Enter a token name</li><li>▪ Click <i>Create token</i></li><li>▪ Copy the generated token for use with <i>Replicate's API</i></li></ul>	

# fal.ai API Keys

Fal.ai is a cloud service that lets you run powerful AI models without needing to set them up on your own computer. Instead of installing large machine-learning frameworks locally, you send a request to fal.ai's servers, and the model runs there. This makes it possible to generate images, audio, or other AI-powered results quickly, directly from your applications.


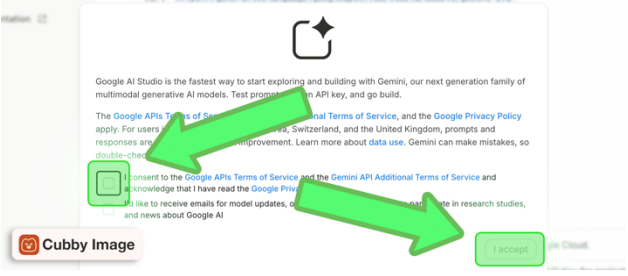

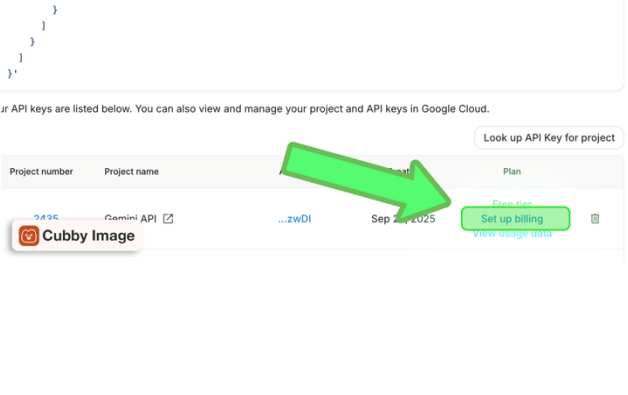
## How to Generate a fal.ai Key

<p>1. Go to fal.ai</p> <ul style="list-style-type: none"><li>Open <a href="https://fal.ai">https://fal.ai</a></li><li>Click Login (top right)</li></ul>	
<p>2. Sign in</p> <ul style="list-style-type: none"><li>Sign in or create a new account</li></ul>	
<p>3. Go to API Keys</p> <ul style="list-style-type: none"><li>Navigate to Manage &gt; API Keys</li></ul>	
<p>4. Create token</p> <ul style="list-style-type: none"><li>Click Add key</li><li>Enter a token name</li><li>Copy the generated token for use with fal.ai's API</li></ul>	

# Gemini (Google Cloud) API Keys

**Attention:** Gemini (Google Cloud) *only* offers access to Gemini Flash 2.5 Image (also known as Nano Banana).

## How to Generate a Gemini Key

<h3>1. Sign in / Create account</h3>	
<h3>2. Accept terms</h3>	
<h3>3. Create API key</h3>	
<h3>4. Set up billing (<b>Important!</b>)</h3>	

## APIs & Models

Cubby Image provide access to image generation, upscale and background removal models offered through Replicate, fal.ai, and Gemini (Google Cloud Platform).

Please review the terms of service of the API provider(s) as well as the models you plan on using. We make no warranties or guarantees regarding the accuracy, availability, or results of these models. You are responsible for reviewing and complying with the Terms of Service of each provider. Cubby Image is not liable for any damages or losses arising from use of these models.

API Provider	Models
<p>Replicate <a href="#">Terms of Service</a> <a href="#">Privacy Policy</a></p>	<p><i>Image Generation</i></p> <ul style="list-style-type: none"><li>- google/nano-banana (<a href="#">link</a>)</li><li>- black-forest-labs/flux-kontext-pro (<a href="#">link</a>)</li><li>- black-forest-labs/flux-kontext-max (<a href="#">link</a>)</li><li>- bytedance/seedream-4 (<a href="#">link</a>)</li><li>- topazlabs/image-upscale</li><li>- qwen/qwen-image-edit-plus (<a href="#">link</a>)</li><li>- reve/edit (<a href="#">link</a>)</li></ul> <p><i>Upscaling</i></p> <ul style="list-style-type: none"><li>- topazlabs/image-upscale (<a href="#">link</a>)</li><li>- philz1337x/clarity-upscaler (<a href="#">link</a>)</li><li>- philz1337x/crystal-upscaler (<a href="#">link</a>)</li><li>- nightmareai/real-esrgan (<a href="#">link</a>)<a href="https://replicate.com/nightmareai/real-esrgan">https://replicate.com/nightmareai/real-esrgan</a></li><li>- recraft-ai/recraft-v3 (<a href="#">link</a>)</li></ul> <p><i>Background Removal</i></p> <ul style="list-style-type: none"><li>- 851-labs/background-remover (<a href="#">link</a>)</li><li>- bria/remove-background (<a href="#">link</a>)</li><li>- lucataco/remove-bg (<a href="#">link</a>)</li><li>- recraft-ai/recraft-remove-background (<a href="#">link</a>)</li></ul>
<p>fal.ai <a href="#">Terms of Service</a> <a href="#">Privacy Policy</a></p>	<p><i>Image Generation</i></p> <ul style="list-style-type: none"><li>- fal-ai/nano-banana (<a href="#">link</a>)</li><li>- fal-ai/flux-kontext-pro (<a href="#">link</a>)</li><li>- fal-ai/flux-kontext-max (<a href="#">link</a>)</li><li>- fal-ai/seedream-4 (<a href="#">link</a>)</li><li>- fal-ai/reve/edit (<a href="#">link</a>)</li><li>- fal-ai/qwen-image-edit-plus (<a href="#">link</a>)</li></ul>

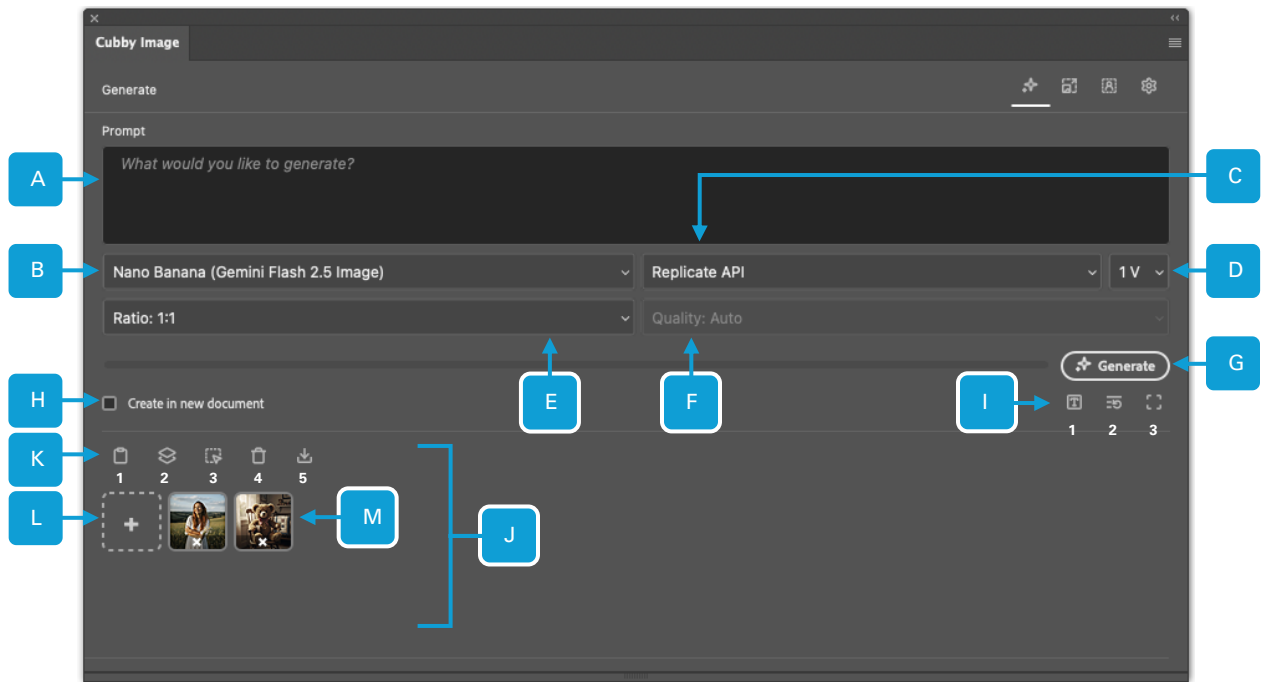
	<p><i>Upscaling</i></p> <ul style="list-style-type: none"><li>- fal-ai/topaz/upscale/image (<a href="#">link</a>)</li><li>- fal-ai/esrgan (<a href="#">link</a>)</li><li>- fal-ai/recraft/upscale/crisp (<a href="#">link</a>)</li><li>- fal-ai/clarity-upscaler (<a href="#">link</a>)</li></ul> <p><i>Background Removal</i></p> <ul style="list-style-type: none"><li>- fal-ai/bria/background/remove (<a href="#">link</a>)</li><li>- fal-ai/birefnet/v2 (<a href="#">link</a>)</li></ul>
<p>Gemini (Google Cloud) <a href="#">Terms of Service</a> <a href="#">Privacy Policy</a></p>	<ul style="list-style-type: none"><li>- Nano Banana / Gemini 2.5 Flash Image (<a href="#">link</a>)</li></ul>

# How To Use Cubby Image

Cubby Image lets you generate, inpaint, edit, upscale and remove backgrounds from images. Depending on the model you choose you can use the canvas selection as context or add additional context images.

To see a demo of Cubby Image in use, please refer to this [video](#).

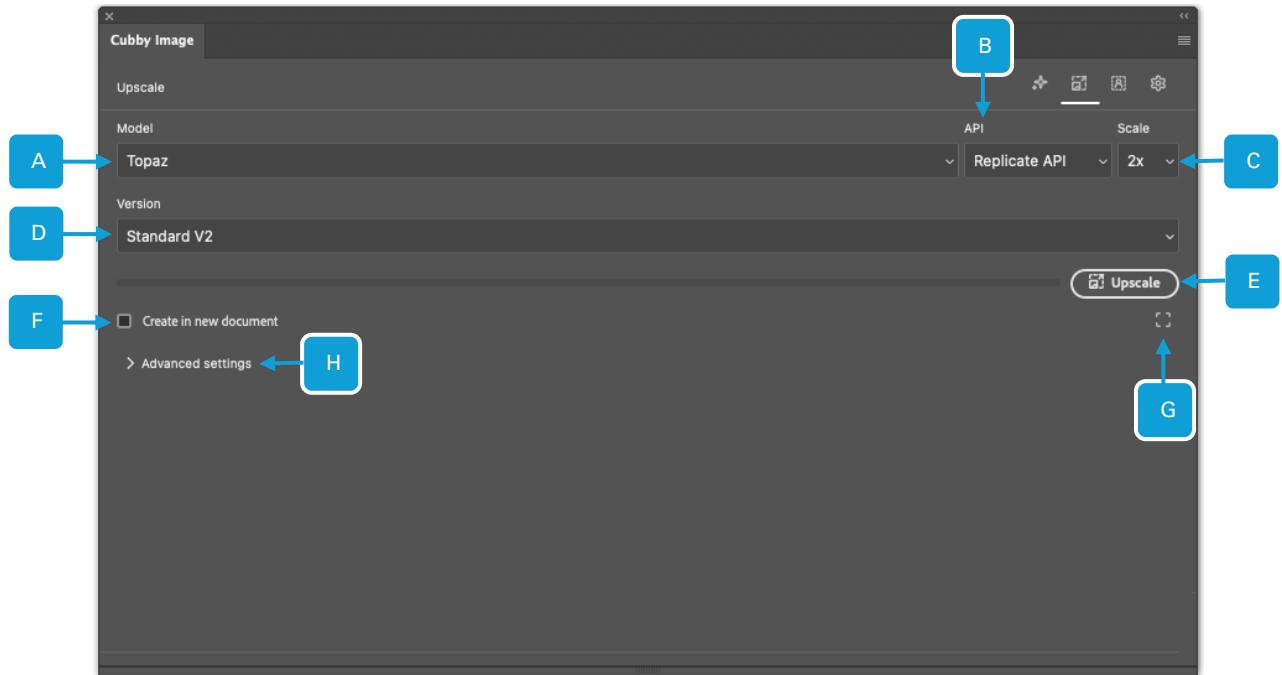
## Generate Images



#	UI Element	Description
A	Prompt	Enter a prompt – describe your image or the edits you want to make.
B	Models	A list of all available models. Please refer to the APIs and Models section to see which API provides access to which model.
C	API Provider	A list of all available API providers. Please refer to the APIs and Models section to see which API provides access to which model.
D	Variants	The number of variants that are created at a time. You can set 1-4 images at once.
E	Ratio	Set the aspect ratio your image should be generate in.
F	Quality	Set the quality you image should be generated in (only Seedream 4.0)

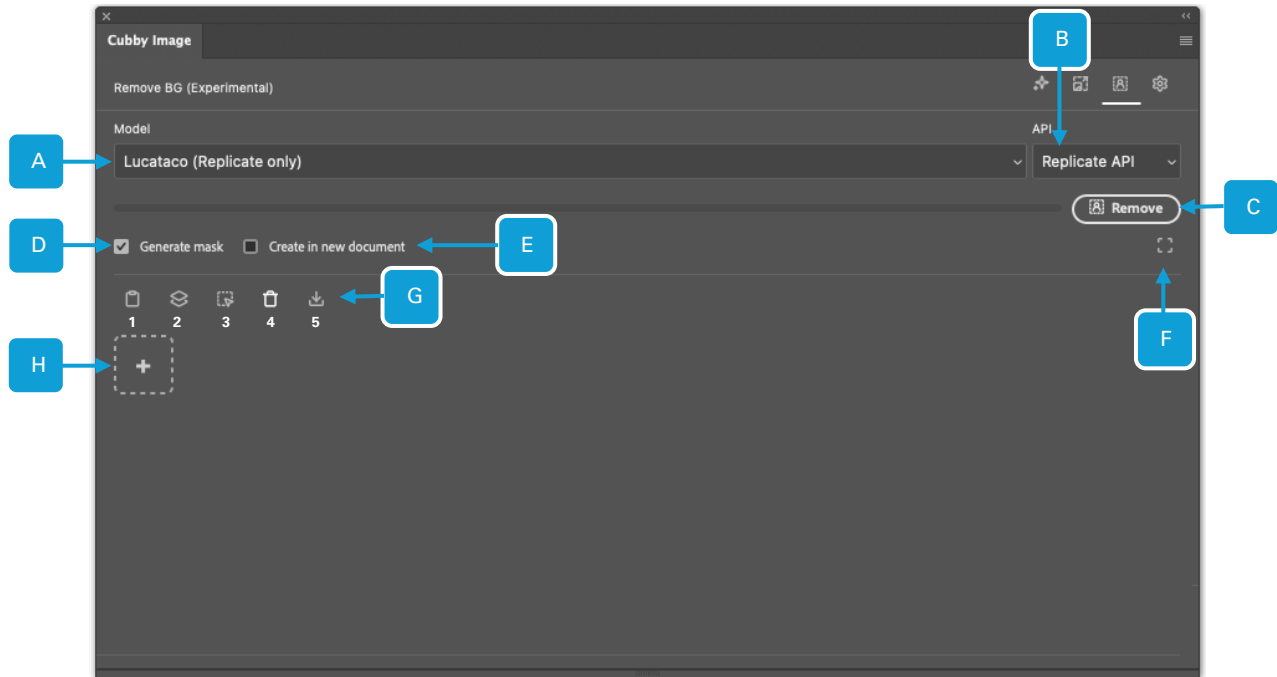
G	Generate	Click the generate button to start generating images.
H	Create in New Document	Create the image in a new document.
I	Quick Actions	<ol style="list-style-type: none"> <li>1. <b>Reuse Prompt:</b> While a previously generated layer is selected, you can click this button to reuse its prompt. This makes it easy to create quick variations. <i>Note:</i> The plugin does not permanently retain prompt, selection and context image data. You can only reuse prompts for layers generated during the current session. Once you close and reopen the document, this function will no longer be available for previously generated layers.</li> <li>2. <b>Reuse Settings:</b> While a previously generated layer is selected, click this button to reuse its settings (including prompt, selection, and context images). This enables quick versioning. <i>Note:</i> The plugin does not permanently retain prompt, selection and context image data. You can only reuse prompts for layers generated during the current session. Once you close and reopen the document, this function will no longer be available for previously generated layers.</li> <li>3. <b>Select All:</b> Select the whole canvas.</li> </ol>
J	Context Images	Add context images to guide the image you are trying to generate, mix and match images or edit an image. You can reorder the context images by dragging and dropping them. By clicking on the 'x' symbol you can remove the image.
K	Action Buttons	<ol style="list-style-type: none"> <li>1. <b>Get Image from Clipboard:</b> Copy an image and paste it right from your clipboard as a context image.</li> <li>2. <b>Get Layer:</b> Paste an entire layer as a context image.</li> <li>3. <b>Get Selection:</b> Create a selection on the canvas with the selection (brush) tool and paste it as a context image. The selection functions independent of the layer, meaning it does not matter what layer is currently selected, it will ignore it and sample a selection from the whole canvas.</li> <li>4. <b>Remove all Context Images:</b> Remove all context images at once.</li> <li>5. <b>Paste all Context Images:</b> Pastes all current context images on your canvas as separate layers.</li> </ol>
L	Add Context Image from file explorer	Opens the file explorer to import new context image.

# Upscale Images



#	UI Element	Description
A	Model	A list of all available models. Please refer to the APIs and Models section to see which API provides access to which model. Currently only Topaz Upscaler is supported.
B	API Provider	A list of all available API providers. Please refer to the APIs and Models section to see which API provides access to which model.
C	Scale	Set what size you want to upscale your image to. Models usually offer sizes ranging from 1x to 6x. Topaz specifically offers 1x, 2x, 4x and 6x upscaling.
D	Version	If the model offers different version you can select them here.
E	Upscale	Click the <i>Upscale</i> button to start upscaling images.
F	Create in New Document	Create the image in a new document.
G	Select All	Select the whole canvas.
H	Advanced Settings	Model specific settings. Please refer to the documentation of the model you are using to see what each setting is used for.

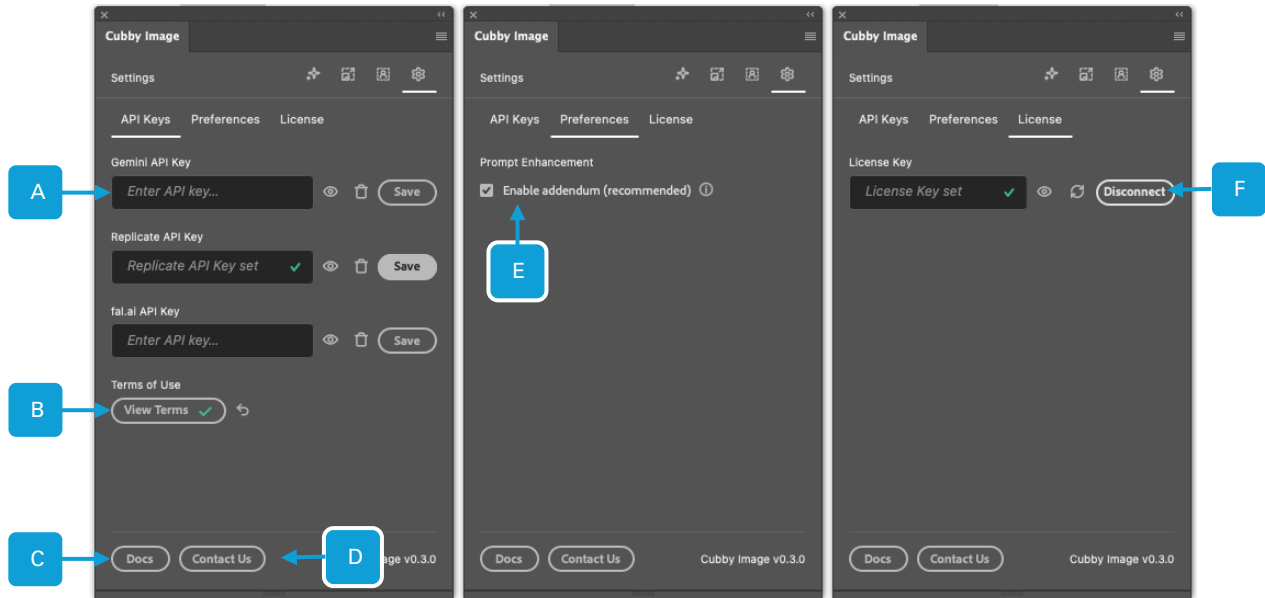
# Remove Backgrounds



#	UI Element	Description
A	Model	A list of all available models. Please refer to the APIs and Models section to see which API provides access to which model.
B	API Provider	A list of all available API providers. Please refer to the APIs and Models section to see which API provides access to which model.
C	Remove Background	Click the <i>Remove</i> button to start removing backgrounds.
D	Generate Mask	Generate a mask over the input image. Recommended to retain image quality.
E	Create in New Document	Create the image in a new document.
F	Select All	Select the whole canvas.
G	Action Buttons	<ol style="list-style-type: none"> <li><b>Get Image from Clipboard:</b> Copy an image and paste it right from your clipboard as a context image.</li> <li><b>Get Layer:</b> Paste an entire layer as a context image.</li> <li><b>Get Selection:</b> Create a selection on the canvas with the selection (brush) tool and paste it as a context image. The selection functions independent of the layer, meaning it does not matter what layer is currently selected, it will ignore it and sample a selection from the whole canvas.</li> <li><b>Remove all Context Images:</b> Remove all context images at once.</li> </ol>

		5. <b>Paste all Context Images:</b> Pastes all current context images on your canvas as separate layers.
H	Add Image	Add an image to remove a background from.

# Settings



#	UI Element	Description
A	API Key	Enter and save your API key.
B	View Terms / Reset Agreement	(Re)view the terms of use of Cubby Image. The indicator show whether the terms were accepted (green) or not (red). You need to accept the terms to use Cubby Image. Clicking on the arrow resets your agreement to the terms of use
C	Docs	Leads to the documentation for Cubby Image
D	Contact Us	Leads to our contact form.
E	Preferences	Enable prompt addendum to improve inpainting and retain image image composition.
F	License Key	Connect your license key to your device to use Cubby Image.

# Frequently Asked Questions (FAQ)

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## **When installing Adobe Creative Cloud, I see the message: '*Compatible app required. You don't have a compatible app installed for this plugin.*' Why?**

This error usually means Creative Cloud cannot detect the correct version of Photoshop. Make sure you are using at least the minimum required version for Cubby Image. If you already have the correct version, try reinstalling Photoshop. In some cases, Photoshop may not be properly registered with Creative Cloud, which a reinstall usually fixes.

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## **Are image generations free?**

No, image generations run through cloud APIs (Replicate, fal.ai, Gemini) which involve costs. To use them, you'll need to create an API key for your preferred provider. The user manual provides a simple step-by-step guide to help you set this up. You'll need to set up billing with your chosen provider. Typical costs range from \$0.001 to \$0.10 per image depending on the model.

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## **My generation failed. Why?**

There can be many reasons why a generation fails. First, try again. If it still doesn't work, note that some models have stricter content filters. Switching to a different model or provider, or adjusting your prompt or context images, often helps. Also make sure you are not trying to generate NSFW content, some models like Nano Banana for example have very strict filters.

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## **I'm getting '*Rate limit reached*' errors with Gemini API keys. Why?**

You likely haven't set up billing for your Gemini account. The free tier has very limited access and doesn't support image generation. Set up billing in your Google Cloud console or use Google's [\\$300 free credit offer \(90 days\)](#). Check Gemini's rate limits documentation for current tiers.

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## **I'm getting slow results. Why?**

Processing speed depends on the model and API provider. Seedream 4.0, for example, usually takes longer than Nano Banana. Some delay is normal, so patience may be required.

### **What is a .CCX file? Why do you not offer .ZXP or .JSX files?**

A .CCX file is a plugin package format used and recommended by Adobe for installing extensions in Creative Cloud applications. We use .CCX files because they are the standard format for Adobe plugins and ensure a smooth installation process. .ZXP (old plugin format) and .JSX (just a scripts) are older formats that do not offer the variety of features needed for Cubby Image.

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### **My API key isn't working. Why?**

This usually comes down to formatting or saving issues. After pasting your key, make sure you clicked Save. Double-check that you pasted the correct key and that there are no extra spaces. If in doubt, click the Show (eye) button to confirm the key is entered correctly.

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### **The quality of my results isn't good. Why?**

Different models require different prompting styles. Read up on best practices for the model you're using. As a general rule, the more detailed and specific your prompts, the better the results will be.

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### **Can I use Cubby Image with unofficial versions of Photoshop?**

Using unofficial versions may lead to compatibility issues and is not supported. We cannot provide support for such setups.

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