



## GPTranslate

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### Functionalities

GPTranslate is the revolutionary **AI Translation Agent** to automatically translate your website thanks to the power of Artificial Intelligence like ChatGPT and more!

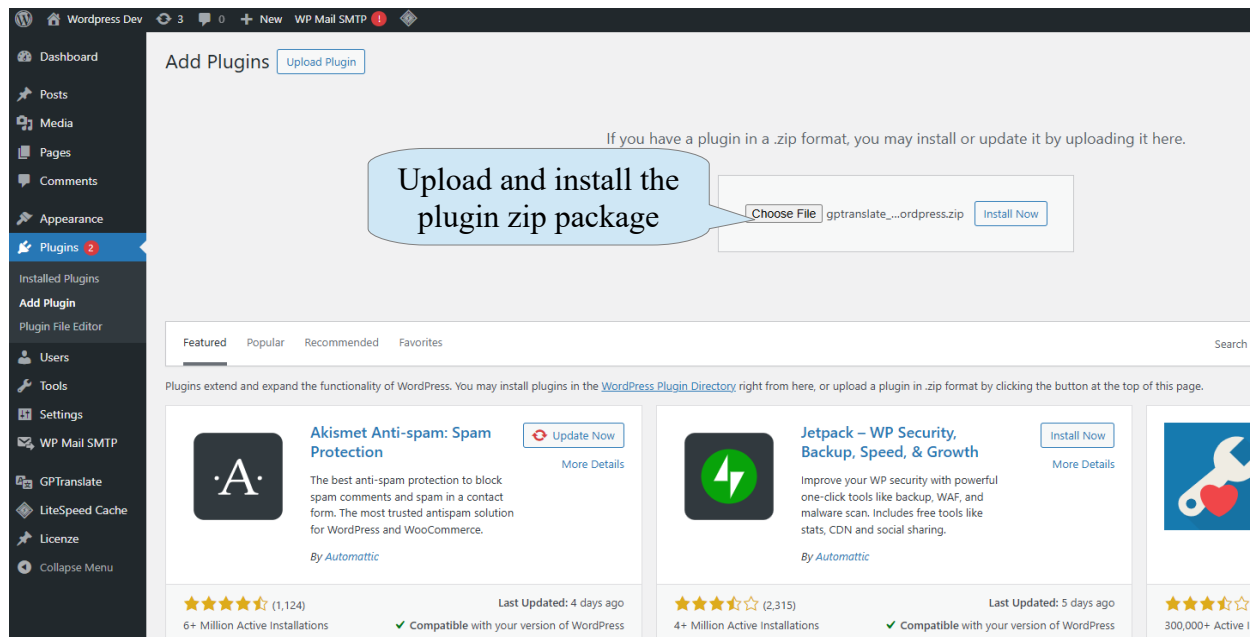
GPTranslate integrates with AI to translate pages of your website and store translations in the database that can be edited, managed and improved to reach excellent results. It is capable of using ChatGPT and AI technologies to provide natural and accurate translations like never seen before. Thanks to the architecture of GPTranslate, you can save a significant number of AI credits. Indeed translations are performed only once and then stored in a database.

Thanks to its revolutionary AI Agent Crawler™, GPTranslate acts like an autonomous assistant that intelligently scans, analyzes, and translates your entire website into every enabled language.

GPTranslate functionalities include:

- **AI Agent Crawler™** that crawls, understands, and translates your whole website automatically
- **ChatGPT integration** (Requires a ChatGPT plan)
- **DeepSeek integration** (Requires a DeepSeek plan)
- **Google Gemini and Cloud Translation integration integration** (Starts with a free tier)
- **Claude integration** (Requires a Claude plan)
- **DeepL integration** (Starts with a free tier)
- **Google AI integration** (Completely free to use)
- **Save translations** to the database to save credits and to further process pieces of translated text
- **Manage translations** to add, delete and edit each single piece of text that has been translated on a page
- **Text analysis**: each piece of text in a page is extracted and translated into the desired language
- **Multilanguage URLs**: GPTranslate is capable to generate different URLs, translate metadata and add canonical and hreflang alternate tags for each language to be indexed by search engines
- **Attributes translation**: also attributes of HTML tags like 'alt' for images, 'title', 'value' and 'placeholder' can be automatically translated for better SEO, accessibility and UX
- **Integration with all extensions and templates**: translations are processed based on the page HTML so it makes no difference which extension, page builder or template you are using
- **Integration with Wordpress native multilanguage**: GPTranslate can also add specific missing languages to those already manually translated using the Wordpress native multilanguage system
- **Auto-translation** by detecting the browser language of visitors or based on the Wordpress multilanguage
- **Text reader**: it's also possible to read the page text aloud
- **Multiple layouts**: it's possible to display GPTranslate as a floating widget or as a standard Wordpress module with multilanguage flags
- **Smart Search integration**: translations can be automatically indexed by the Wordpress Smart Search and translated pages can appear in search results
- **GDPR compliance**: GPTranslate is cookie-free and compliant with privacy laws and GDPR, so there is no need to ask any consent to users
- **Customizable style**: thanks to easy settings it's possible to customize the style of the widget

# Installation



To install the full version of the plugin, just upload the zip package available in your products area. Once installed, just activate it to make it immediately available on the website.

## Translations

GPTranslate saves translations to the Wordpress database to save credits and to further process pieces of translated text.

In this way it is possible to automate, but also refine, every single translated text like you have never done before, as for the first time you have a total control over translations.

Each time a page is translated for the very first time by a site visitor, the translation associated to that page URL will be created in the component backend.

The list of translations allows you to have an oversight of how many pages have been translated, the original and target language, the date of the translation, the translation engine and the status of the record.

It's possible to unpublish a translation and in such case, it will be created again from scratch when a visitor request it again for a given page and the same original and translated language.

In the same way if you change a content, you have 2 choices:

- Manually modify the translation for the text that you have changed and that is published on a given page already translated and stored in the database
- Delete the translation for a whole page on which the modified text is published and it will be created again from scratch when a visitor request it next time

In the list of translations there are multiple filters to search:

- Keywords
- Status
- Languages
- Translation engine

The screenshot shows the GPTranslate - Translations interface. A sidebar on the left contains navigation links: Dashboard, Posts, Media, Pages, Comments, Appearance, Plugins, Users, Tools, Settings, WP Mail SMTP, and GPTranslate. The main area displays a table of translations. Callouts highlight the following features:

- Filters for translations:** Located at the top right, showing filters for 'All', 'Translated language', 'Translation engine', and a count of '10'.
- Original and translated language:** A callout pointing to the 'Original language' and 'Translated language' columns in the table.
- List of translations:** A callout pointing to the main table of translation entries.
- Translation engine used to translate text:** A callout pointing to the 'Translation engine' column, which shows 'ChatGPT' for all entries.

| ID | Page link                                                                                             | Original language | Translated language | Published | Translation Engine | Translation Date               | Actions       |
|----|-------------------------------------------------------------------------------------------------------|-------------------|---------------------|-----------|--------------------|--------------------------------|---------------|
| 30 | <a href="http://wordpress/de/">http://wordpress/de/</a>                                               | English           | German              | ✓         | ChatGPT            | Saturday, 10 May 2025 at 18:49 | Edit   Delete |
| 29 | <a href="http://wordpress/de/category/uncategorized/">http://wordpress/de/category/uncategorized/</a> | English           | German              | ✓         | ChatGPT            | Saturday, 10 May 2025 at 18:48 | Edit   Delete |
| 28 | <a href="http://wordpress/category/uncategorized/">http://wordpress/category/uncategorized/</a>       | English           | Italian             | ○         | ChatGPT            | Saturday, 10 May 2025 at 17:56 | Edit   Delete |
| 27 | <a href="http://wordpress/it/category/uncategorized/">http://wordpress/it/category/uncategorized/</a> | English           | Italian             | ✓         | ChatGPT            | Saturday, 10 May 2025 at 17:56 | Edit   Delete |
| 26 | <a href="http://wordpress/it/third-post/">http://wordpress/it/third-post/</a>                         | English           | Italian             | ✓         | ChatGPT            | Friday, 09 May 2025 at 20:36   | Edit   Delete |
| 25 | <a href="http://wordpress/it/halo-french/">http://wordpress/it/halo-french/</a>                       | English           | German              | ✓         | ChatGPT            | Friday, 09 May 2025 at 20:28   | Edit   Delete |
| 24 | <a href="http://wordpress/it/halo-french/">http://wordpress/it/halo-french/</a>                       | English           | Italian             | ✓         | ChatGPT            | Friday, 09 May 2025 at 20:28   | Edit   Delete |
| 23 | <a href="http://wordpress/it/halo-french/">http://wordpress/it/halo-french/</a>                       | English           | French              | ✓         | ChatGPT            | Friday, 09 May 2025 at 20:28   | Edit   Delete |
| 22 | <a href="http://hello-world-english/">http://hello-world-english/</a>                                 | English           | French              | ✓         | ChatGPT            | Friday, 09 May 2025 at 20:21   | Edit   Delete |

## Edit translations

The Edit Translations section in GPTranslate allows you to review, edit, and manage individual text tokens extracted from a specific page of your website. The system automatically identifies and extracts visible text nodes from the page's DOM tree, making them editable for translation into the selected target language.

### - Page Details Panel

**Page link:** The URL of the specific page being translated.

**Original language:** The source language detected or assigned (e.g., English (en-GB)).

**Translated language:** The target language (e.g., French (fr-FR)).

**Published:** Toggle to mark whether this translation is currently published or not.

**Translation date:** The timestamp when this translation was last updated.

**Translation engine:** Shows the AI or method used for the current translation (e.g., Gemini, GPT, etc.).

### - Translations Table

Each row in the translation editor corresponds to a text token from the original page. These tokens are extracted using a DOM parser and reflect the visible content rendered to users.

**Original Text:** This field displays the unmodified original text node from the source page.

**Translated Text:** This field allows you to manually edit or correct the translation for the corresponding token.

### - Add or Delete Translations

You can manually add a new translation token pair using the + Add button. This is useful for including dynamic content or edge cases that were not extracted automatically. In the same way you can delete existing translations using the Delete button.

### Sync All Translations Button

The Sync All button (tooltip: Click to sync all translations) performs a bulk synchronization of all the translated tokens for the current language. It automatically applies each translated text across every page where the same original text is found. This feature helps maintain consistent translations site-wide and is especially useful for shared UI labels and repeated content fragments.

### - Filter and Search

Use the Filter input to search within the current list of translations. It supports searching in both original and translated text to help you find and edit entries quickly.

**GPTranslate - Edit translation**

Page link:

Original language: English

Translated language: German

Published:

Translation date: Saturday, 10 May 2025 at 18:49

Translation engine: **ChatGPT**

Translations

**Translation details**

**Manage single translations for a page to add, edit, delete or sync them across pages**

## AI configuration

To enable the translation through your preferred AI platform, it's required to register an AI account for example on <https://platform.openai.com/account/api-keys> and create an ApiKey:

**API keys**

Your secret API keys are listed below. Please note that we do not display your secret API keys again after you generate them.

Do not share your API key with others, or expose it in the browser or other client-side code. In order to protect the security of your account, OpenAI may also automatically rotate any API key that we've found has leaked publicly.

| NAME       | KEY        | CREATED      | LAST USED    |
|------------|------------|--------------|--------------|
| Secret key | sk-...HRfn | Mar 29, 2023 | Mar 29, 2023 |
| Secret key | sk-...zgwj | Mar 29, 2023 | Mar 29, 2023 |

**Create a secret ApiKey on ChatGPT to integrate the API with GPTranslate**

**Default organization**

If you belong to multiple organizations, this setting controls which organization is used by default when making requests with the API keys above.

Personal

Normally the ChatGPT ApiKey requires a paid plan although they allow a limited free account the first time you use ChatGPT services.

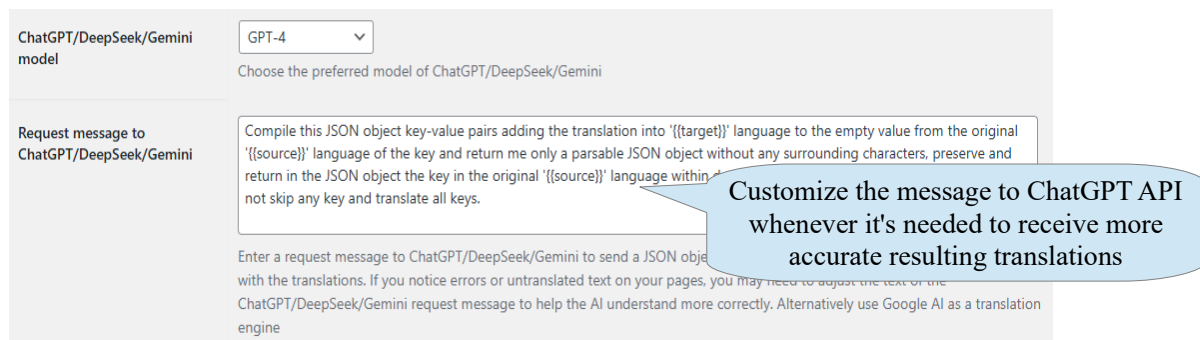
If you want to use DeepSeek, Google Gemini, etc you can repeat the same process and register an ApiKey at [https://platform.deepseek.com/api\\_keys](https://platform.deepseek.com/api_keys), <https://aistudio.google.com/apikey> and so on.

[illegible]

- GPT 3.5 Turbo – It is the cheapest model
- GPT 5 – It is the most powerful model
- Gemini 3.0 – The Google model to balance the power of AI and a cheaper rate

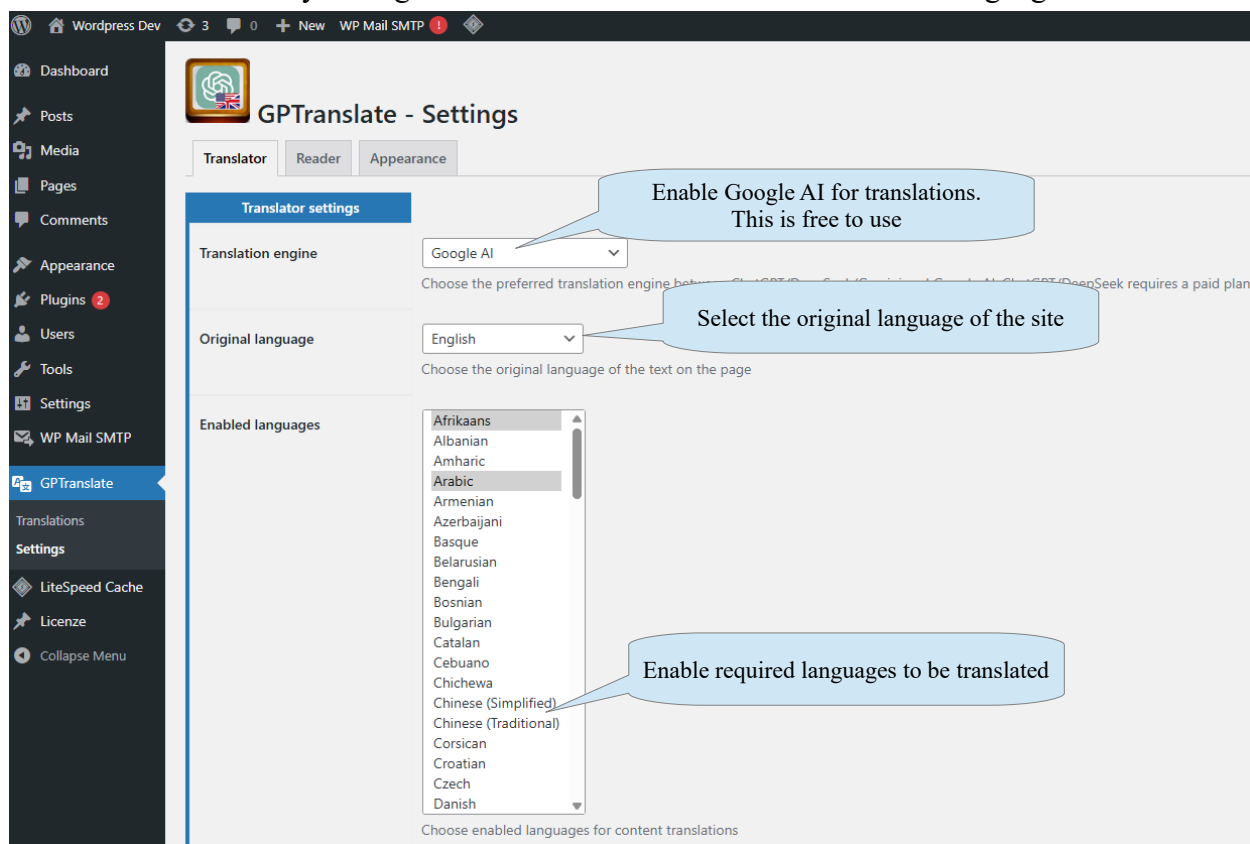
To instruct ChatGPT to perform a text translation, a special message is passed to its API using placeholders and expecting to send and receive data in the standard JSON format.

If you notice errors or untranslated text on your pages, you may need to adjust the text of the ChatGPT request message to help the AI understand more correctly your contents and website. Alternatively you can use Google AI as a translation engine that is free to use.



## Translator settings

The translator has many settings to enable various features and to enable languages:



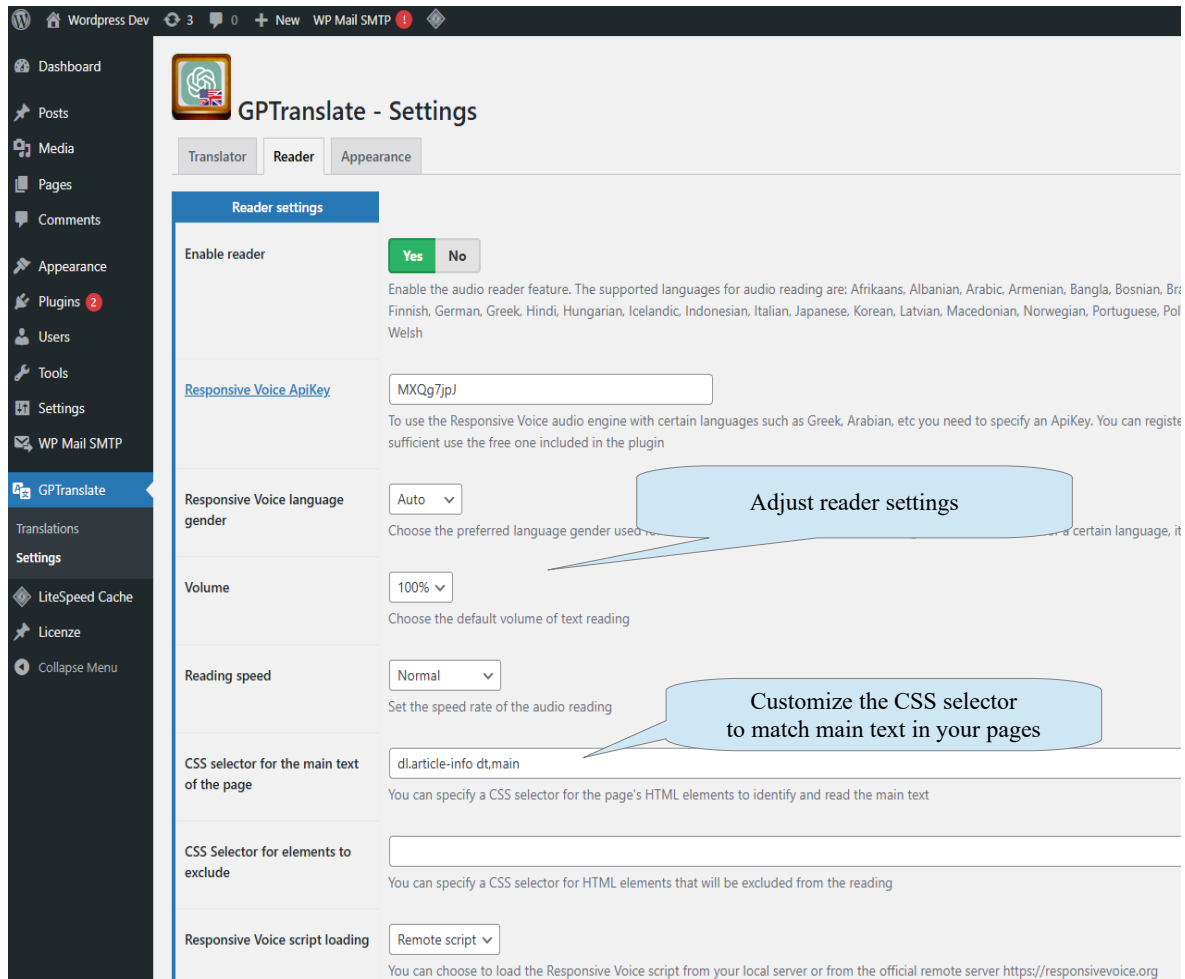
## Reader settings

GPTranslate is also capable to read page text aloud, being the text in the original language or in a translated language.

This features is based on the Responsive Voice service: <https://responsivevoice.org/> and it's free to use for common languages that are read natively by the browser.

For languages not supported by the browser and that require a remote service, GPTranslate is shipped with a free ApiKey that is enough for most use case, but if you need a large amount of text reading you may need to create your own ApiKey and eventually activate an optional paid plan.

GPTranslate can be configured to match text rendered in whatever template you are using on your site. This is done using a system based on CSS selectors to match elements on pages. It's pre-configured to match the main text area for common templates, you can customize which part of text to read using the following option:



Multiple CSS selectors can be specified comma separated to match multiple different elements and part of pages. This allows for example to configure it to read the text in the main area of the page.

Tip: you can use tool such as Firebug or Google Chrome Dev Tools pressing F12 to inspect the HTML structure of your CMS Template.

Notice: if you experience audio stopping at random point, try to change the 'Max chunk length' value and ensure that in the HTML there are no special characters or breaking tags that could not be accepted for the reading.

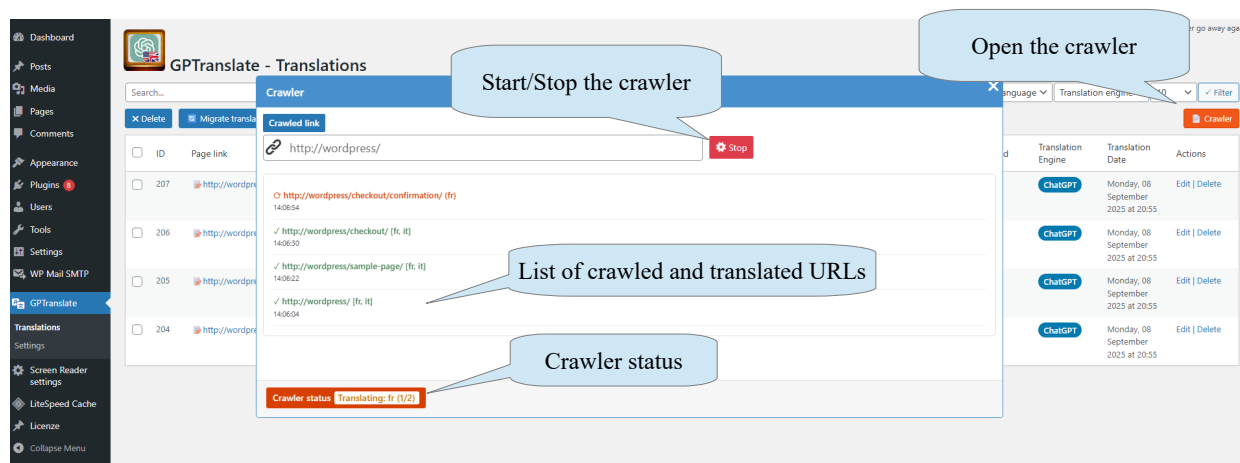
## AI Agent Crawler system™

GPTranslate includes a powerful crawler system that automatically scans the internal URLs of your website and ensures that all content is translated into every language enabled in your GPTranslate configuration.

Instead of requiring users to manually visit each page in every language, the crawler simulates a real browser navigation, opening pages one by one and triggering the translation process in the background. This ensures that all translations are generated, stored, and available when real visitors access the website and give you the possibility to refine them before being visible.

## Key Features

- Automatic website scanning: Starts from the homepage and recursively visits all internal links.
- Multi-language translation: For each page, the crawler iterates through all enabled languages.
- AJAX interception: The crawler monitors GPTranslate AJAX requests to detect when translations are already saved or when new translations must be stored.
- Smart detection:
  - If translations for a page already exist, the crawler moves to the next language.
  - If translations do not exist, the crawler waits until GPTranslate saves them on the server.
- Resource filtering: External URLs and unnecessary links (such as wp-admin, feeds, media files, or system paths) are automatically excluded.
- Version-based limits:
  - FREE version: limited to a small number of pages (e.g. 10).
  - PRO version: unlimited crawling across the entire website.
- Admin integration: Available directly from the admin interface.



Using the GPTranslate Crawler is straightforward:

1. Open the Crawler tool from the GPTranslate admin panel.
2. Enter (or confirm) the starting URL and press the Start button.
3. The crawler will automatically visit each internal page, switch through all enabled languages, and populate the URL list with pages that have been translated.
4. You can let the process run until completion, or stop it at any time.
5. When stopped, the crawler will already provide an updated list of translated pages, including any new entries processed during the run.

With the GPTranslate AI Agent Crawler, you can guarantee that your entire site is fully translated and stored in advance — improving SEO, user experience, and speed.

# Incremental Translation System™

GPTranslate includes a revolutionary incremental translation technology that automatically detects page content changes and translates only new or modified text instead of entire pages. This intelligent system maintains website translations in real-time while significantly reducing API costs.

Instead of requiring users to manually delete and retranslate complete pages when content is updated, the incremental system analyzes what has changed and requests translation only for the modified portions. This ensures that frequently updated content stays automatically synchronized with minimal API consumption.

## Key Features:

- Automatic change detection: detect modifications and new content additions with optimized performance.
- Incremental translation requests: for each page, the system identifies new, modified, and removed text segments, requesting translation only for new and modified content.
- Smart merge algorithm: the system compares current page content against stored translation keys using normalized text matching, ensuring accurate identification of changes even when dictionary replacements or regex patterns are applied.
- Supports CSS selector exclusions to ignore dynamic elements
- Supports regex patterns to filter out system-generated text
- Preservation of existing translations: unchanged translations are preserved in the database, preventing redundant API requests for stable content.
- Real-time progress tracking: optional progress popup shows translation status during incremental updates, with auto-dismissing notification on completion.

**GPTranslate - Settings**

Translator Dictionary **Incremental Translation** Reader Appearance

Enable and configure the Incremental Translation System

**Incremental Translation**

**Enable 'Incremental Translation System'** ☒   
When enabled, the system automatically detects page content changes and translates only new or modified text instead of the entire page. Frequently updated pages stay automatically synchronized with modified content, significantly reducing API costs.

**Show progress popup** ☒   
Show a progress popup during incremental translation/retranslation. Set to No to translate silently in the background.

**Excluded CSS selectors**   
#wpadminbar,.post-views-count,.post-meta-views,.entry-views,.views-count,.comment-count,.comments-link,.entry-date,.post-date,.publish-date,.updated,.modified,.wp-calendar,.calendar,.widget\_recent\_posts,.widget\_recent\_comments,.elementor-counter,.elementor-number-counter,.jet-counter,.counter-box,.rank-math-breadcrumb,.breadcrumb-trail,.wp-pagelinks,.pagination,.rss-date,.post-meta-date,.social-count,.share-count,.read-more,.more-link   
CSS selectors of elements to exclude from incremental translation detection. One selector per line. Useful to exclude elements containing strings injected by native language packs (e.g., .visits-counter, .language-pack-string).

**Excluded text patterns**   
Regular expressions (one per line) to exclude text from incremental translation detection. Useful to exclude native language pack strings. Example: ^Visite: to exclude strings starting with Visite. Use JavaScript regex syntax.

**Preserve new texts (Server-Side)** ☒   
When enabled, server-side translations will only apply exact text matches from the database. New or modified text will remain in the original language until incremental translations are completed. This prevents partial translations of new text that contains fragments of existing translations. Requires incremental translation to be enabled.

**Case insensitive text matching** ☐   
When enabled, text matching for incremental translation detection will ignore case differences. This helps identify modified text even when case has changed. Useful for preventing duplicate translations when text case changes but content remains the same.

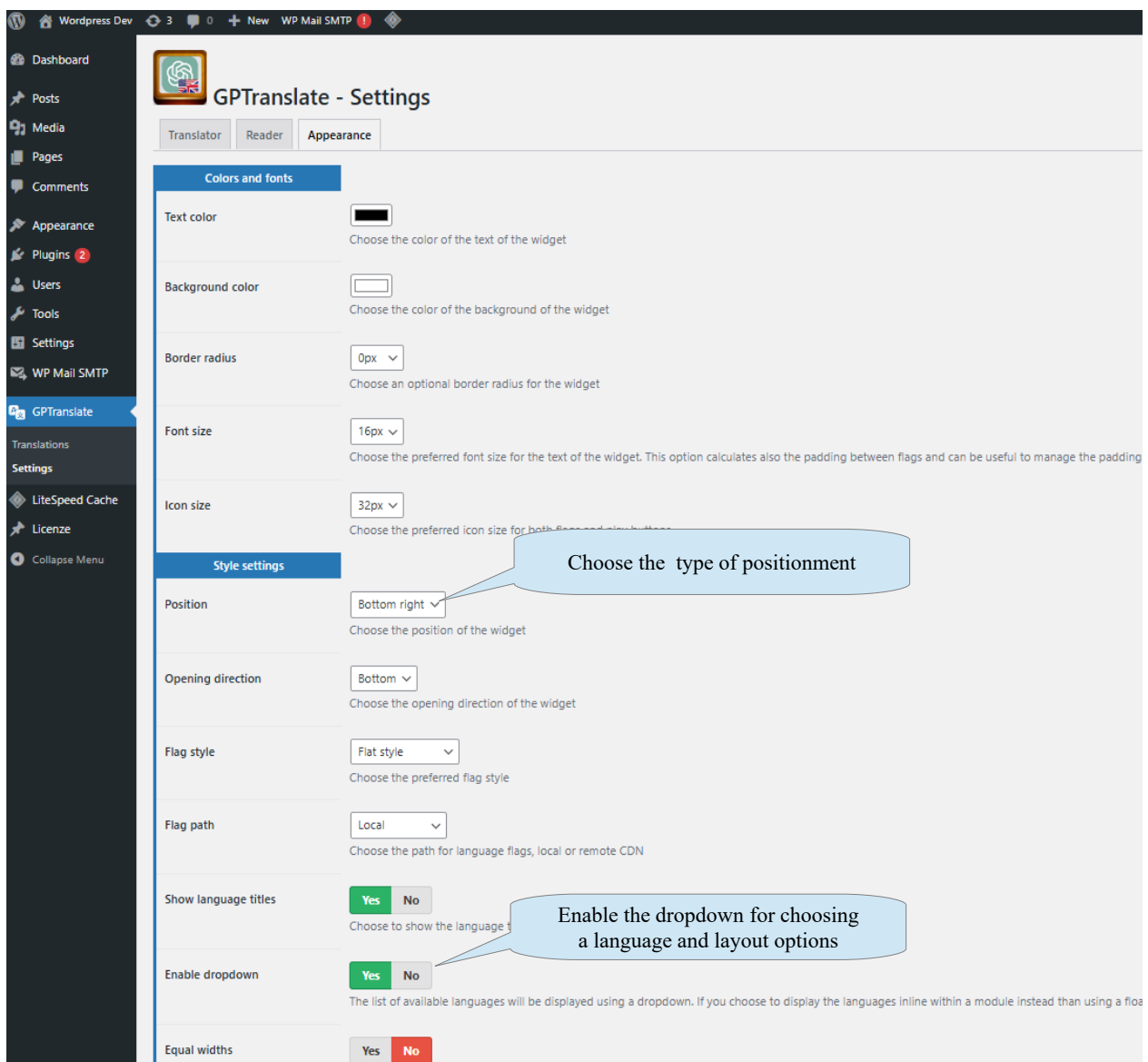
Import settings Export settings Save settings

## Layout and appearance

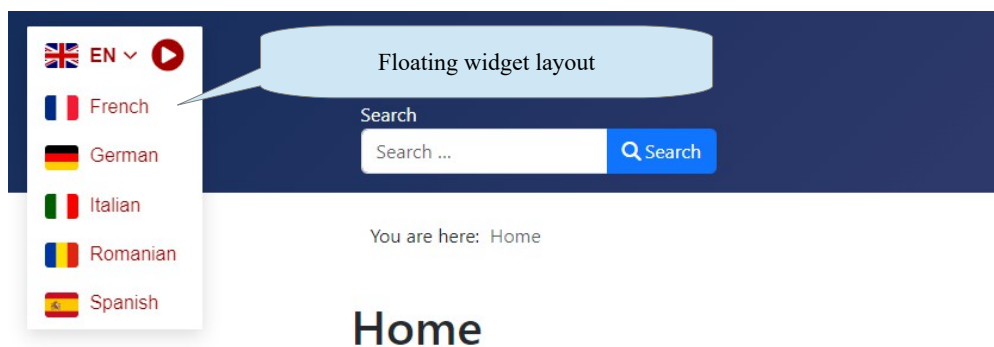
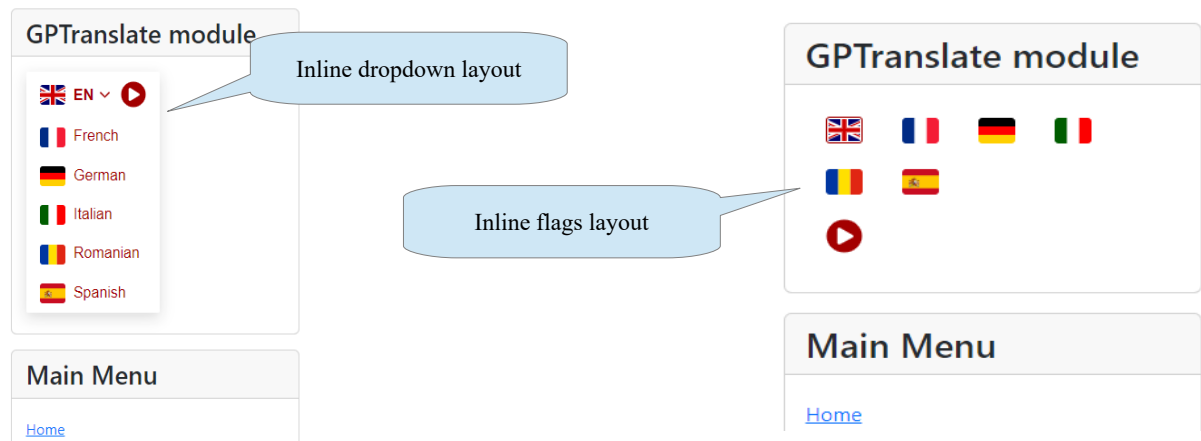
It's possible to display GPTranslate with multiple layouts: as a floating widget or as a standard Wordpress module with multilanguage flags.

Furthermore it's possible to customize the style like colors, font and icon size, dropdown and more.

By default the GPTranslate tool is displayed as a floating widget with dropdown that can be positioned at a corner of the screen. Optionally you can switch to the inline mode so that it will be displayed at the module position and also rendered with static flags without the dropdown, with or without language titles.



In frontend it will then be rendered with various layouts:



## Exclusions and Dictionary

GPTranslate provides powerful features to exclude specific elements and words from automatic translation and manually define translations for certain words using the Dictionary feature. This ensures better control over translation accuracy, especially for specific terms, brand names, or other content that should remain unchanged or outside the automatic AI translation.

### 1. Excluding Elements Using CSS Selectors

**Setting:** CSS selector for elements to exclude

- **Description:** This option allows you to specify CSS selectors for HTML elements that should be excluded from translation.
- **Usage:** Enter CSS selectors separated by commas or list them one per line.
- **Example:** `.no-translate, #footer-text, span.special-term`  
Any text inside these elements will not be translated.

### 2. Excluding Specific Words from Translation

**Setting:** Words for elements to exclude

- **Description:** Allows you to specify a comma-separated list of words that should be excluded from automatic translation.
- **Usage:** List words that should not be translated.
- **Example:** `Wordpress, GPTranslate, MyBrand`  
Any element containing these words will always remain in their original form.

### 3. Using the Dictionary Feature for Excluded Words

**Setting:** Words for elements to exclude by language (Dictionary)

- **Description:**

- This feature allows specifying words that should be excluded from translation for both the original and translated languages.
- Additionally, it can act as a **Dictionary**, enabling manual translations for excluded words.
- Once set, these translations will be automatically applied in all future translations, ensuring accuracy and consistency.

- **Usage:**

- Enter a comma-separated list of words to exclude.
- Choose original and target language
- Optionally enter a comma-separated list of words to manually translate

In this case, the original excluded word will always be replaced with the optional translation word in the target language instead of being translated dynamically.

### Practical Use Cases

- **Preventing Translation of Brand Names:** Exclude company names like "Wordpress" or "GPTranslate" to keep branding consistent.
- **Defining Specific Translations:** Use the Dictionary feature to manually define translations for industry-specific terms.
- **Preserving Formatting:** Prevent translation of specific elements such as footer text, copyright notices, or legal disclaimers.

### Conclusion

By using these features, GPTranslate gives users granular control over what gets translated and how specific words appear in different languages. This improves translation quality and maintains consistency across content. Keep in mind that the system operates based on elements and tags. Specifically, the setting text states: 'Words for elements to exclude.' This means that if an element contains an excluded word or a part of it, the entire element will be excluded. To prevent certain text from being translated, it must be wrapped in a separate, designated tag element like: `<span class="nottranslate">Text to not translate</span>`

Words for elements to exclude: test1,test2,test3

You can specify a comma separated list of words for elements that will be excluded from the translation both for original and translated language.

Words for elements to exclude by language (Dictionary)

| Words for elements to exclude | Original language | Translated language | Optional translation         | Actions |
|-------------------------------|-------------------|---------------------|------------------------------|---------|
| word1,word2,word3             | Albanian          | Belarusian          | test1,test2,test3            | Ti X    |
| word2                         | Croatian          | Spanish             | wordtranslated2              | Ti X    |
| word3,word4,word5             | Italian           | English             | alternative3,alternative4,al | Ti X    |

You can specify a specific comma separated list of words for elements that will be excluded from the translation both for original and translated language. Additionally this feature can act as a Dictionary, enabling manual translations for excluded words. Once set, these translations will be consistently applied in all future translations.

Choose original and target language

Enter a comma separated list of words to exclude from translation

Optional comma separated list of words to manually translate

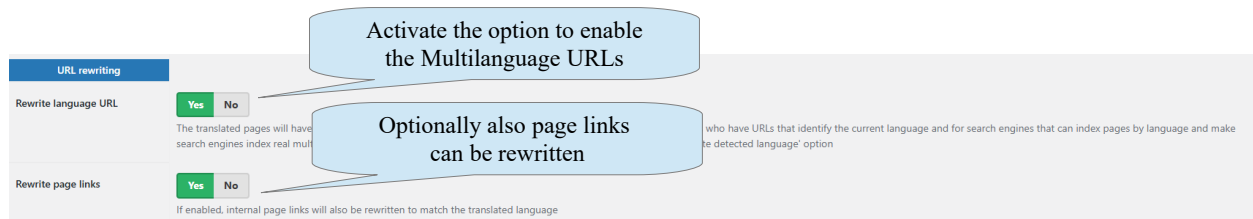
## Multilanguage URLs

By enabling Multilanguage URLs in GPTranslate, each translated page will have a unique URL that includes the selected language code (e.g., /en/, /fr/, etc.). This serves multiple purposes:

**Improved SEO:** Search engines can index each language-specific version of your site independently, increasing visibility in multilingual searches.

**User clarity:** Visitors can easily identify the current language by looking at the URL.

**Compatibility with auto-translation:** When used together with the "Auto-translate detected language" option, GPTranslate can automatically translate and display the correct language version based on the visitor's browser language or preference, while still maintaining a clean and indexable URL.



## Server-side translations

When the Server-side translation option is enabled in GPTranslate, translated content is directly embedded into the page's HTML source code on the server before it is sent to the user. This provides two major benefits:

**SEO-friendly:** Search engines can read and index the translated content because it exists in the raw HTML, not just through JavaScript.

**Improved accessibility and speed:** Users (including those with disabled JavaScript) see the translated content immediately without needing client-side processing.

Requirements for Server-side Translation to work:

The page must be accessed via a Multilanguage URL that includes the language code (e.g., /en/, /it/, /fr/).

The detected language must match the one specified in the URL.

To enable Server-side Translation, go to the GPTranslate plugin settings.

Activate the option "Enable server-side translation".

Ensure Multilanguage URLs are also enabled, and the page is accessed through such a URL.

(Optional) Combine with "Auto-translate detected language" for fully automated multilingual rendering.

This ensures that both users and search engines experience a properly localized version of your website from the first page load, with no reliance on JavaScript.

| Server-side translations            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enable server-side translation      | <div> <input checked="" type="checkbox"/> Yes           <input type="checkbox"/> No         </div> <p>When enabled, the server-side translation method is used to replace localized text in the page's HTML source code. This ensures that the localized text is visible to search engines and users without relying solely on client-side JavaScript translations. For this feature to work, the page must be accessed through a physical multilingual URL containing the language code (e.g., /en, /fr), and the detected language of the page must match the requested translation.</p> |
| Server-side translation method      | <div> <input type="text" value="DOMDocument method"/> </div> <p>Select the method to perform server-side replacements for translations that best works for your case. The 'Regular expressions method' accurately and efficiently finds and replaces text, the 'DOMDocument method' ensures accuracy but may cause issues with closing tags and characters encoding. The 'String replacement method' may result in unintended translations.</p>                                                                                                                                            |
| Use 'Case-Insensitive' replacements | <div> <input checked="" type="checkbox"/> Yes           <input type="checkbox"/> No         </div> <p>When enabled, server-side translation and 'search' will be treated as the same. Disable this option to enforce exact, case-sensitive replacements.</p>                                                                                                                                                                                                                                                                                                                               |
| Match single and double quotes      | <div> <input type="checkbox"/> Yes           <input checked="" type="checkbox"/> No         </div> <p>Enable this option to ensure that both single and double quotes are considered during text replacements for original and translated strings. This option helps address issues where quotation marks may interfere with proper text matching on the page. You can turn this option on or off based on your site's needs, as it may be required to accurately replace strings that include quotes.</p>                                                                                 |
| URL decode                          | <div> <input type="checkbox"/> Yes           <input checked="" type="checkbox"/> No         </div> <p>If enabled, the analyzed URLs will be decoded removing percent encoding if any, such as whitespaces represented with %20. If you have URLs using percent encoding and if you experience missing matching with translated URLs, you can disable this option.</p>                                                                                                                                                                                                                      |
| Ignore query string                 | <div> <input checked="" type="checkbox"/> Yes           <input type="checkbox"/> No         </div> <p>If enabled, URL having a query string will be treated as plain URLs and the query string part will be discarded. This can be useful if you want to apply a canonical link that points to the main URL also to variations of the same URL that have a query string.</p>                                                                                                                                                                                                               |
| Encode URL spaces                   | <div> <input type="checkbox"/> Yes           <input checked="" type="checkbox"/> No         </div> <p>If enabled, spaces included in the analyzed URLs will be encoded using the character %20.</p>                                                                                                                                                                                                                                                                                                                                                                                        |

## URL rewriting

GPTranslate offers powerful URL rewriting features that enhance multilingual SEO, improve user experience, and provide clean and readable URLs for translated pages. Below is a guide to understanding and configuring each of the URL rewriting options available in the GPTranslate settings.

### Rewrite Language URL

When enabled, GPTranslate rewrites translated pages to include a language-specific path segment in the URL (e.g., /fr/ for French, /de/ for German).

Benefits:

- Users can identify the current language via the URL.
- Search engines can index different language versions of the same page separately, improving multilingual SEO.

Requirements:

- Add the target languages to the **Enabled languages** field in GPTranslate settings — no separate language pack or third-party plugin is required, GPTranslate manages multilingual URLs natively.

Also enable:

- Detect current language
- Auto-translate detected language

### Rewrite URL Alias for Translated Pages

When enabled, GPTranslate automatically translates the alias (slug) part of the URL using AI, making the full URL path multilingual (e.g., /fr/ma-page-traduite/).

Key Features:

- Aliases are dynamically translated to match the target language
- Internally, the translated alias maps back to the correct original page, avoiding 404 errors
- Boosts SEO by providing URLs fully localized to the user's language
- No need to create multilingual pages/posts manually

## Use Auto-Detect for Original Alias Language

When enabled, GPTranslate sends 'auto' as the source language to the AI translator when translating the URL alias. This allows automatic detection of the alias's original language.

Why Use This:

- Useful when the alias language doesn't match the page's configured language
- For example, a page in English might have an Italian alias; auto-detection ensures correct translation

## Rewrite Page Links

When enabled, GPTranslate automatically rewrites all internal page links to match the current language by updating both the language prefix (e.g., switching from `/en/` to `/fr/`) and the translated URL aliases.

### Important Note:

This option rewrites the language prefix and the slugs (URL aliases) only if they have been translated by GPTranslate and are available in the translation list. If a page has never been translated, it must be processed for the first time. If a page was previously translated without the "URL Alias Translation" feature enabled, the translated link will not be available; in this case, the translation must be deleted and regenerated, or the translated link must be added manually to the database. Otherwise, the original alias is retained within the internal links until a translation becomes available.

Benefits:

- Maintains navigation consistency in the user's selected language
- Prevents switching back to the original language when navigating internal links
- Improves SEO by helping search engines crawl the translated structure of your website

Example:

- Original link: `/en/my-page.html`
- Translated link: `/fr/ma-page-traduite.html`

If alias translation is enabled, GPTranslate maps `/fr/ma-page-traduite.html` back to the correct original page.

The screenshot shows the 'URL rewriting' settings section of the GPTranslate interface. It contains four toggleable options, each with a 'Yes' (green) and 'No' (grey) button. A blue callout bubble points to the 'Yes' button of the first option, containing the text 'Choose preferred settings for URL rewriting performed by GPTranslate'.

| URL rewriting                               |                                                                                                                                                                                                                                                                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rewrite language URL                        | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><small>The translated pages will have a specific URL corresponding to the translated language. This can be useful for visitors search engines index real multilanguage URLs that can also be automatically translated by enabling the 'Auto-transla</small>  |
| Rewrite URL alias for translated pages      | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><small>If enabled, the alias in the URL of translated pages will also be translated. The translated alias is resolved internally to SEO, and keeps the visible address aligned with the selected language</small>                                            |
| Use auto-detect for original alias language | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><small>When enabled, the original language of the alias is automatically detected and sent to AI as 'auto' instead of the con Italian but the page is in English. With auto-detection, the AI can always recognize and translate the alias correctly</small> |
| Rewrite page links                          | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><small>If enabled, internal page links will also be rewritten to match the translated language</small>                                                                                                                                                       |

## Images translation

GPTranslate is capable of automatically replacing the 'src' attributes of images according to the mappings defined in the 'Image alt translations list'.

This means that if an image has a translated version specified in the list, GPTranslate will dynamically load the corresponding localized image when the page is viewed in that language.

When this option is enabled, GPTranslate not only translates image descriptions (alt text), but also replaces the image source (src) path depending on the language being viewed.

This allows you to serve localized image versions for each language — for example, displaying translated banners, screenshots, or infographics.

The screenshot shows the 'Images translation' settings in GPTranslate. It features three main sections: 'Translate alt attributes of images' with 'Yes' and 'No' buttons, 'Exclude images by class from alt translation' with a text input field, and 'Translate src attributes of images' with 'Yes' and 'No' buttons. A blue callout bubble points to the 'Translate src attributes of images' section, containing the text: 'Enable the translation of the src attribute of images'. Below the 'Translate alt attributes of images' section, there is a description: 'Automatically translate the alternative text (alt attribute) of images to improve accessibility and SEO'. Below the 'Exclude images by class from alt translation' section, there is a description: 'Comma-separated list of CSS classes to exclude from alt attribute translation. For example: class1,class2'. Below the 'Translate src attributes of images' section, there is a description: 'Automatically translate/replace the src attributes of images based on the translations defined in the alt attributes to'.

The mapping between original and translated image paths is defined in the same list used for images 'alt' attributes, where each entry links an original path to its translated equivalent.

You can manage it just like any other alt attribute translation, with the only difference that both the full original and translated image URLs are used instead of plain text.

The screenshot shows the 'Translations for images alt attribute' interface. It includes a sidebar with the title 'Translations for images alt attribute'. The main area has a 'Filter' button, a 'Search' button, and a 'Reset' button. Below these, there is a '+ Add Alt Translation' button. A blue callout bubble points to the '+ Add Alt Translation' button, containing the text: 'Enter the original and translated link for images included in the page'. The interface displays a list of translations, each with an 'Original text' field, a 'Translated text' field, and a 'Delete' button. The list contains four entries: 1. Original text: 'Halo french', Translated text: 'Halo french', Delete button. 2. Original text: '/images/image\_en.png', Translated text: '/images/image\_fr.png', Delete button. 3. Original text: '/images/image2\_en.png', Translated text: '/images/image2\_fr.png', Delete button. 4. Original text: '/images/image3\_en.png', Translated text: '/images/image3\_fr.png', Delete button. 5. Original text: 'New article RC1', Translated text: 'Nouvel article RC1', Delete button.

Make sure to enter the exact image paths for each language — if the paths don't match exactly, the mapping will not occur and the image source won't be replaced.

# Realtime and programmatic translation retrigger

---

## 1. OVERVIEW

Realtime Translation allows GPTranslate to re-run the translation process after the initial page load, whenever the page content changes or the user interacts with specific elements.

This feature is essential when working with:

- AJAX-loaded content
- Popups and modals
- Filters and faceted search
- Interactive forms
- Page builders (Elementor, Gutenberg, etc.)
- Any component that modifies the DOM without a full page reload

|                                                                                                                                                                                                                                                                           |                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Retrigger translations CSS selector                                                                                                                                                                                                                                       | <input type="text" value="body"/>                                          |
| <small>Specify one or more CSS selectors (separated by commas) that should trigger the translation function again when these elements change or are clicked. Useful for popups, dynamically loaded content, or other elements added after the initial translation</small> |                                                                            |
| Retrigger events for realtime translation                                                                                                                                                                                                                                 | <input type="button" value="Click"/> <input type="button" value="Change"/> |
| <small>Select the events that will automatically retrigger translation. 'Click' triggers when elements are clicked. 'Change' triggers on form field changes, and 'DOM Mutation' triggers when elements are added, removed, or modified dynamically in the DOM</small>     |                                                                            |
| Retrigger delay for realtime translation                                                                                                                                                                                                                                  | <input type="text" value="200ms"/>                                         |
| <small>Specify the delay in milliseconds before a realtime translation is retriggered after an event occurs. Useful to translate after async requests modify the page DOM</small>                                                                                         |                                                                            |

---

## 2. RETRIGGER TRANSLATIONS CSS SELECTOR

Setting: Retrigger translations CSS selector

This parameter allows you to define one or more CSS selectors that will be observed by GPTranslate.

When one of the specified elements is clicked, changes its state, or modifies the DOM, GPTranslate automatically retriggers the translation process.

Usage notes:

- Multiple selectors can be specified, separated by commas
- Any valid CSS selector is allowed

Examples:

```
.popup-open-button  
.elementor-popup-modal  
.jet-filter
```

Typical use cases:

- Opening a popup
- Loading dynamic blocks
- Triggering AJAX-based content

---

## 3. RETRIGGER EVENTS FOR REALTIME TRANSLATION

Setting: Retrigger events for realtime translation

This option defines which events will cause the translation to be retriggered automatically.

Supported events are described below.

---

### 3.1 CLICK EVENT

Event: click

Triggers a new translation whenever a user clicks on an element matching the configured CSS selectors. Recommended for:

- Buttons
  - Tabs
  - Accordion panels
  - Popup open actions
  - Filters activated by click
- 

### 3.2 CHANGE EVENT

Event: change

Triggers a translation when a form field value changes.

Recommended for:

- Select dropdowns
  - Checkboxes
  - Radio buttons
  - Dynamic form elements
- 

### 3.3 DOM MUTATION EVENT

Event: DOM Mutation

Triggers translation whenever GPTranslate detects that elements are added to, removed from, or dynamically modified in the DOM.

Internally, this event is based on a MutationObserver.

Recommended for:

- AJAX-loaded content
- Infinite scroll
- Dynamic product lists
- SPA-like behaviors

Note:

DOM Mutation is a powerful trigger but can increase processing frequency. It should be enabled only when necessary.

---

### 3.4 SCROLL EVENT

Event: scroll

Triggers a translation when the user scrolls the page and new content becomes visible or is loaded.

Recommended for:

- Infinite scroll pages
  - Lazy-loaded sections
  - Content revealed on scroll
- 

## 4. RETRIGGER DELAY FOR REALTIME TRANSLATION

Setting: Retrigger delay for realtime translation

This parameter defines the delay, in milliseconds, before the translation is retriggered after an

event occurs.

Purpose:

- Allows asynchronous DOM updates to complete
- Prevents multiple rapid retriggers
- Improves translation accuracy on dynamic content

Example value: 200 ms

This means the translation will start 200 milliseconds after the triggering event.

---

## 5. PROGRAMMATIC TRANSLATION RETRIGGER (ADVANCED)

GPTTranslate exposes a public JavaScript function that allows developers to retrigger translations programmatically, without relying on user-driven events.

Public function exposed globally:

```
window.gptDoChatGPTTranslate = doChatGPTTranslate;
```

This function internally calls the same translation routine used by GPTTranslate for realtime and automatic translations.

---

## 6. DUMMY SELECTOR USAGE (MANUAL TRIGGERING)

The “Retrigger translations CSS selector” parameter can also be configured with a dummy selector (a selector that does not necessarily exist in the DOM).

Why use a dummy selector:

- Enables the retrigger system
- Exposes the public JavaScript function
- Allows translations to be triggered only via JavaScript

Example dummy selector:

```
#gpt-dummy-trigger
```

The element does not need to exist in the page. Its purpose is simply to activate the retrigger infrastructure.

---

## 7. FUNCTION PARAMETERS

The public function always accepts a single parameter: a pair of language codes separated by a pipe character.

Format:

original\_lang | translated\_lang

Examples:

```
en|de  
en|it  
en|fr  
en|es
```

Where:

original\_lang = source language

translated\_lang = target language

---

## 8. PROGRAMMATIC USAGE EXAMPLE

Example of forcing a translation from English to German:

```
gptDoChatGPTTranslate('en|de');
```

Typical use cases:

- Custom AJAX callbacks
- Translation after loading HTML via fetch or XHR
- Integration with third-party scripts
- Manual control over translation timing

---

## 9. BEST PRACTICES

- Prefer Click and Change events when possible (lighter and more predictable)
- Use DOM Mutation only when dynamic content cannot be intercepted otherwise
- Always configure a retrigger delay when working with AJAX or animations
- Use the programmatic API for maximum control and performance

---

## 10. SUMMARY

The Realtime Translation Retrigger system in GPTranslate provides a flexible and powerful way to ensure translated content stays consistent even on highly dynamic websites.

It can be driven by:

- User interactions
- DOM changes
- Scroll-based content loading
- Direct JavaScript calls

This makes GPTranslate suitable for modern, interactive WordPress websites and complex frontend architectures.