

# AI Recommender

A guide to AI Product Recommender and Bundles for WooCommerce: connecting your AI account, indexing the products, counting the orders, the ranking, the preview, the shop sections, pins and exclusions, the explanation lines, the settings and the measured performance.

## 1. Start here

**In plain words:** WooCommerce's own related products are random products of the same category or tag. **AI Product Recommender and Bundles** ranks them with two signals: the **meaning** of your product texts (AI embeddings) and what your customers **bought together** (counted on your site from your orders). It shows related products, a **"Complete the look" bundle** with an **Add all to cart** button and suggestions on the **cart** page, and an admin **preview** shows why each product is suggested.

MOSS, Terracotta.

### Complete the look

*Soren Sofa, Wool-Blend Throw and Linen Cushion Cover share the same calm style and finish the room together.*

- ☒  This product: **Soren Sofa**  
\$899.00
- ☒  **Wool-Blend Throw** [Details](#)  
\$89.00
- ☒  **Linen Cushion Cover** [Details](#)  
\$39.00

Total of the selected products: \$1,027.00

Add all to cart

### Related products



Boucle Pouf  
\$129.00

Add to cart



Linen Cushion Cover  
\$39.00

1 in cart



Nube Boucle Accent Chair  
~~\$429.00~~ \$379.00

Add to cart



Wool-Blend Throw  
\$89.00

1 in cart

A product page: the bundle with the total and Add all to cart, then the related products.

**Tip:** The AI is used only to embed your product texts (once per product, and again when a text changes) and, if you turn it on, to write one short explanation line per bundle. Showing recommendations never calls the AI.

## 2. What you get

| Feature            | What it does                                                                                                                                                                                          |
|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Meaning similarity | The title, categories, tags, visible attributes and descriptions of each published product are embedded in batches; the most similar products of each product are computed on your server and stored. |
| Bought together    | Counted locally from your completed orders (HPOS or the legacy order storage, through WooCommerce's own order API). Only pairs of products and counts are stored.                                     |
| Blending           | Two weights for related products, two for bundles and the cart page, a minimum similarity and a minimum number of orders.                                                                             |
| Display            | Automatic placement on the product page (replace the WooCommerce related products or add a section), the cart page and optionally the order received page, plus a block and a shortcode.              |
| Add all to cart    | Each product is checked again on the server: part of the bundle, visible, purchasable, in stock; variable products need a chosen option; quantities capped. Prices come from WooCommerce.             |
| Preview            | For any product: the related products and the bundle with the score, the similarity in %, the times bought together and the products left out with the reason.                                        |
| Rules              | Exclude categories, tags and products, out-of-stock products; hidden, private, draft and password-protected products are never shown; pins per product override the exclusion rules.                  |
| Fallback           | Related products by category and tag when there is no AI or order data, or when the AI is down.                                                                                                       |
| Explanation line   | Optional, off by default: one short line per bundle, written once, reviewed by a person.                                                                                                              |
| Privacy            | No tracking of visitors, no cookie of the plugin, no customer data stored or sent.                                                                                                                    |
| Arabic             | The plugin and this guide are in English and Arabic; the admin works right to left.                                                                                                                   |

### 3. Requirements

| Item           | Details                                                                                                                                                                                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WordPress      | 6.0 or newer                                                                                                                                                                                                                                                    |
| PHP            | 7.4 or newer                                                                                                                                                                                                                                                    |
| WooCommerce    | 8.0 or newer (HPOS and block checkout compatible)                                                                                                                                                                                                               |
| Also           | An embedding model (for example text-embedding-3-small at OpenAI) for the meaning similarity. Anthropic has no embedding endpoint: use an OpenAI-compatible provider for the embeddings. Without any AI the bought-together counts and the fallback still work. |
| An AI provider | An account and an API key with an OpenAI-compatible service (OpenAI, OpenRouter, Azure, a local server such as Ollama...) or with Anthropic. You pay your provider for what you use; the plugin has no usage fees.                                              |
| License        | GPL-2.0-or-later                                                                                                                                                                                                                                                |

### 4. Install

- 1 Unzip the package you downloaded. Inside is `ai-product-recommender-and-bundles-for-woocommerce.zip` (do not unzip this one).
- 2 In WordPress open **Plugins → Add New Plugin → Upload Plugin**, choose `ai-product-recommender-and-bundles-for-woocommerce.zip` and press **Install Now**.
- 3 Press **Activate Plugin**. WooCommerce must be active.
- 4 Open **Settings → AI Recommender → AI connection**, choose your provider, paste your API key and press **Test the connection**.

## 5. Connect your AI

**In plain words:** The plugin works with **your own** AI account. In **Settings → (this plugin) → AI connection** choose the provider, paste the key and press **Test the connection**: a green message tells you that the model answered.

| Field                 | Meaning                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Provider              | OpenAI-compatible (OpenAI, OpenRouter, Azure, Groq, Ollama, LM Studio...) or Anthropic.                                        |
| API address           | Leave empty for the official address. For another service enter it, for example <code>http://localhost:11434/v1</code> .       |
| API key               | Stored in your database (never shown again). You can define it in <code>wp-config.php</code> instead and the field disappears. |
| Model                 | The model name at your provider. A small, cheap model is enough for most tasks.                                                |
| Maximum answer length | Caps the tokens of one answer, so a request cannot cost more than you expect.                                                  |
| Daily limit           | The number of requests the plugin may make per day (0 = no limit). When it is reached the plugin stops asking until tomorrow.  |
| Privacy               | Hides e-mail addresses, phone numbers and card-like numbers before the text is sent.                                           |

**Tip:** The table **Recent use** at the bottom of the tab shows the requests, the errors and the tokens of the last days.

**AI Product Recommender and Bundles**

**AI connection**

Use your own account: an OpenAI-compatible service (OpenAI, OpenRouter, Azure, a local server such as Ollama...) or Anthropic. You pay your provider directly; this plugin has no usage fees.

**Provider**: OpenAI-compatible

**API address**: http://127.0.0.1:8783/v1  
Leave empty for the official address of the provider. For a local or compatible service enter its address, for example http://localhost:11434/v1.

**API key**: ..... saved – leave empty to keep it ☐ Remove the saved key  
Stored in your database. You can also define it in wp-config.php instead.

**Model**: gpt-4o-mini  
The name of the model at your provider.

**Embedding model**: text-embedding-3-small  
Used to turn texts into vectors (OpenAI-compatible providers only).

**Vector size**: 0  
0 = the size of the model. Models such as text-embedding-3-small accept a smaller size (for example 512): the similar products are then computed faster. Other models may refuse this value.

**Maximum answer length**: 800 tokens

**Creativity**: 0.3  
0 is strict and repeatable, 1 is more varied.

**Wait for the answer**: 30 seconds

**Daily limit**: 1000 requests per day (0 = no limit)  
Requests made today: 3

**Privacy**: ☒ Hide e-mail addresses, phone numbers and card-like numbers before sending text

**Save Changes**

**Test the connection**: Connected. The model answered: OK

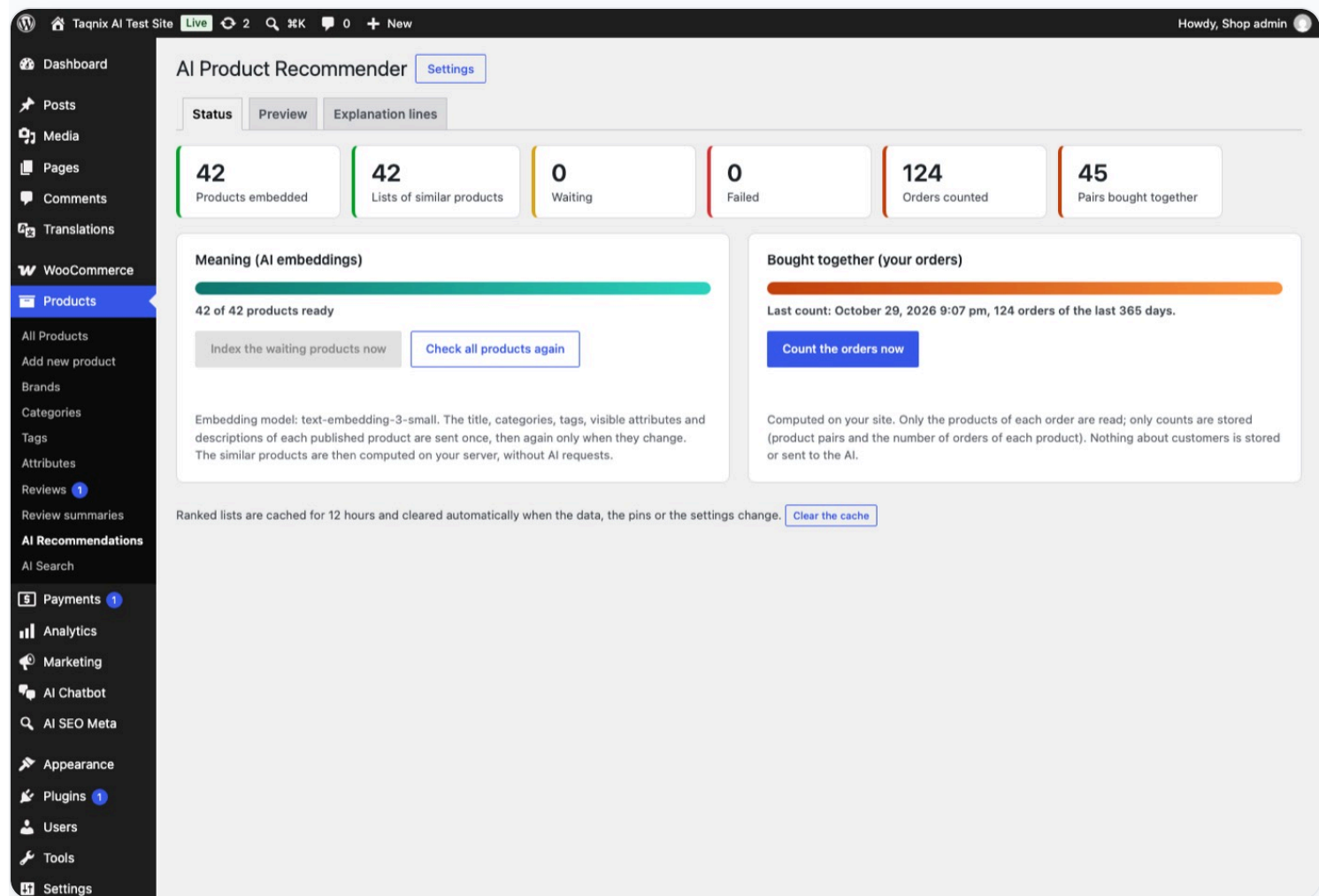
**Recent use**

The AI connection tab after a successful test, with the embedding model and the vector size.

**Tip: Vector size:** 0 keeps the size of the model. Models such as text-embedding-3-small accept a smaller size (512 or 256): the similar products are then computed several times faster (see the chapter Performance). The daily limit is 1,000 requests by default.

## 6. Index your products

**In plain words:** Open **Products** → **AI Recommendations**. The **Status** tab shows the products embedded, the lists of similar products, the products waiting and failed, and an **estimate** of the tokens and the price before you start. Press **Index the waiting products now**: the products are sent in small batches, then the similar products are computed on your server. You can **Stop** at any time; the rest runs in the background (Action Scheduler, or WP-Cron).



The Status tab: counters, the index and the bought-together count.

The screenshot shows the 'AI Product Recommender' interface within a WooCommerce dashboard. The sidebar on the left contains various navigation links, with 'Products' highlighted. The main content area features a header with 'AI Product Recommender' and a 'Settings' button. Below this, there are tabs for 'Status', 'Preview', and 'Explanation lines'. The 'Status' tab displays six key metrics: 8 Products embedded, 0 Lists of similar products, 42 Waiting, 0 Failed, 124 Orders counted, and 45 Pairs bought together. The interface is divided into two main sections. The 'Meaning (AI embeddings)' section shows a progress bar indicating '0 of 42 products ready' and a text box stating 'Embedding the 42 waiting products sends about 2,332 tokens: about \$0.000047 at \$0.02 per million tokens.' It includes buttons for 'Index the waiting products now', 'Stop', and 'Check all products again'. The 'Bought together (your orders)' section features a progress bar and text: 'Last count: October 29, 2026 9:07 pm, 124 orders of the last 365 days.' with a 'Count the orders now' button. A footer note states 'Ranked lists are cached for 12 hours and cleared automatically when the data, the pins or the settings change.' with a 'Clear the cache' button.

A run in progress.

**In plain words:** When a product is saved its text is compared with the indexed one: only a real change is sent again, a few seconds later. A product that is trashed, set to draft or protected by a password leaves the index and every list.

## 7. Bought together

**In plain words:** Press **Count the orders now** once; then the count runs again every day (or every week, or never: setting). Orders of the chosen statuses (Completed by default) created in the period (365 days by default) are read in batches of 100. Of each order only the list of products is used; orders with more different products than **Largest order counted** (30) are skipped. The new counts replace the old ones in one step at the end.

| Stored                                           | Not stored                                                            |
|--------------------------------------------------|-----------------------------------------------------------------------|
| Product A, product B, number of orders with both | Customers, addresses, e-mails, prices, dates or numbers of the orders |
| Number of orders of each product                 | Anything about visitors                                               |

## 8. How products are ranked

**In plain words:** For a product, the candidates are its most similar products (similarity from 0 to 1) and the products bought together with it. The share of its orders that also had the other product (*bought together* ÷ *orders of the product*) gives the second signal. The score is  $(\text{weight of the meaning} \times \text{similarity} + \text{weight of bought together} \times \text{share}) \div (\text{sum of the weights})$ . A product never bought together is kept only when its similarity reaches the **minimum similarity** (35% by default), and pairs seen in fewer than **2** orders are ignored.

| List             | Default weights                | Why                               |
|------------------|--------------------------------|-----------------------------------|
| Related products | meaning 70, bought together 30 | Alternatives and close products   |
| Bundle and cart  | meaning 30, bought together 70 | Products that complete each other |

**In plain words:** In a bundle, products of the same category as the main product are skipped by default (another sofa is an alternative to a sofa, not a complement). Then come the pins of the product, the rules and the fallback.

## 9. Preview: what would be recommended, and why

**In plain words:** The tab **Preview** takes any product and shows the related products and the bundle exactly as visitors would get them, computed without the cache, with the **score**, the

similarity in %, bought together N times (of M orders) and a badge: Pinned, Similar meaning, Bought together, Similar + bought together, or Same category or tag (fallback). Below, the products **left out** and the reason (out of stock, hidden, excluded category, same category...).

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Product

Soren Sofa (#98)

Show

What visitors would see for this product, computed now without the cache, with the reason of each suggestion.



Soren Sofa

In 30 counted orders. [Edit the pins](#) · [View the product](#)

Related products

Weights: meaning 70, bought together 30.

| # | Product                                                                                                                      | Score                     | Similarity  | Bought together                         | Why                       |
|---|------------------------------------------------------------------------------------------------------------------------------|---------------------------|-------------|-----------------------------------------|---------------------------|
| 1 |  Wool-Blend Throw \$89.00                   | —                         | —           | —                                       | Pinned                    |
| 2 |  Linen Cushion Cover \$39.00                | <div><div></div></div> 62 | 69% similar | bought together 14 times (of 30 orders) | Similar + bought together |
| 3 |  Boucle Pouf \$129.00                       | <div><div></div></div> 46 | 65% similar | —                                       | Similar meaning           |
| 4 |  Nube Boucle Accent Chair \$429.00 \$379.00 | <div><div></div></div> 45 | 65% similar | —                                       | Similar meaning           |

Bundle (Complete the look)

Weights: meaning 30, bought together 70.

| # | Product                                                                                                         | Score                     | Similarity  | Bought together                         | Why                       |
|---|-----------------------------------------------------------------------------------------------------------------|---------------------------|-------------|-----------------------------------------|---------------------------|
| 1 |  Wool-Blend Throw \$89.00    | —                         | —           | —                                       | Pinned                    |
| 2 |  Linen Cushion Cover \$39.00 | <div><div></div></div> 53 | 69% similar | bought together 14 times (of 30 orders) | Similar + bought together |

Explanation line: Soren Sofa, Wool-Blend Throw and Linen Cushion Cover share the same calm style and finish the room together. 

Approved

Thank you for creating with [WordPress](#).

Version 7.1.4

The preview of a sofa.

# 10. On the shop

| Place                          | What is shown                                                                                                                                                                                                     |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product page: related products | Replace (default): the WooCommerce Related products section shows the plugin's products, with your theme's look; in block themes the block keeps its own sort order. Add: a section of the plugin. Do not change. |
| Product page: bundle           | "Complete the look": the product and 2 suggested products (1-4), with checkboxes, the total of the selected products and Add all to cart; below the summary or below the add to cart button.                      |
| Cart page                      | "You may also need", for all the products in the cart (classic cart and Cart block).                                                                                                                              |
| Order received page            | Optional: suggestions for the products of the order.                                                                                                                                                              |
| Block and shortcode            | The block "AI product recommendations" and <code>[tqpr_recommendations type="related bundle cart" product="ID" limit="4" title="..."]</code> .                                                                    |

MOSS, Terracotta.

### Complete the look

*Soren Sofa, Wool-Blend Throw and Linen Cushion Cover share the same calm style and finish the room together.*

- ☒  This product: **Soren Sofa**  
\$899.00
- ☒  **Wool-Blend Throw** [Details](#)  
\$89.00
- ☒  **Linen Cushion Cover** [Details](#)  
\$39.00

Total of the selected products: \$1,027.00

Add all to cart

Added to your cart: Soren Sofa, Wool-Blend Throw, Linen Cushion Cover. [View cart](#)

### Related products



Boucle Pouf  
\$129.00

Add to cart



Linen Cushion Cover  
\$39.00

1 in cart



Nube Boucle Accent Chair  
~~\$429.00~~ \$379.00

Add to cart



Wool-Blend Throw  
\$89.00

1 in cart

After Add all to cart: what was added, and a link to the cart.

[Remove item](#)



[Linen Cushion Cover](#)

\$78.00

\$39.00

Soft, stone-washed linen in earthy colours.

- 2 +

[Remove item](#)

### You may also need



**Nube Boucle  
Accent Chair**

~~\$429.00~~ **\$379.00**

Add to cart



**Boucle Pouf**

\$129.00

Add to cart



**Tavo Round Coffee  
Table**

\$329.00

Add to cart



**Kilim Wool Rug**

\$389.00

Add to cart

**Taqnix AI Test Site**

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The cart page.

The screenshot displays the WordPress editor interface for a page titled "Living room set (demo)". The main content area shows a heading "Living room set (demo)" followed by a subheading "Everything you need for a cosy living room.". Below this is a "Complete the look" section that lists three products: "Soren Sofa" (\$899.00), "Wool-Blend Throw" (\$89.00), and "Linen Cushion Cover" (\$39.00). The total price for these products is \$1,027.00, and there is an "Add all to cart" button. The right sidebar shows the "AI product recommendations" block settings, including options for "WHAT TO SHOW" (Bundle with Add all to cart), "PRODUCT ID" (98), "NUMBER OF PRODUCTS" (0), and "HEADING" (DEFAULT). The bottom of the editor shows "Meta Boxes" with "AI product recommendations" selected.

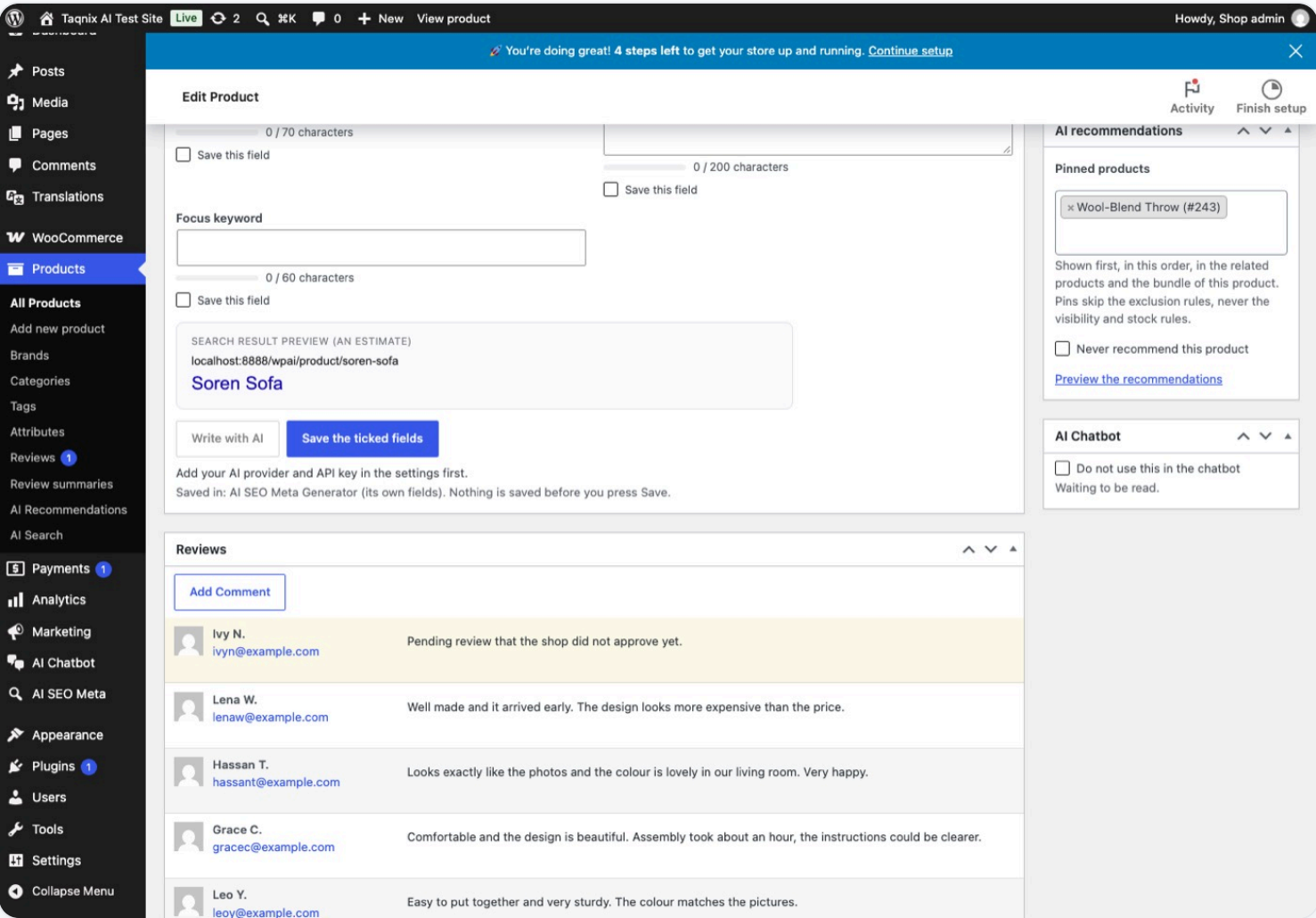
The block in the editor.

**In plain words:** **Add all to cart** checks each product again on the server: it must belong to the bundle of the page, be visible, purchasable and in stock; a variable product needs an option chosen in its list (otherwise it is skipped and the shopper is told); at most 10 products and a capped quantity. The prices are those of WooCommerce (taxes and sale prices as your shop shows them).

**Important:** There is no bundle discount in this plugin. If you want one, use your pricing or discount plugin (for example a rule for products bought together).

## 11. Pins and exclusions

**In plain words:** In the product edit screen the box **AI recommendations** holds the **pinned products** (shown first, in your order, in the related products and the bundle of this product) and **Never recommend this product**.



The box in the product edit screen.

| Rule                                                   | Pins                       |
|--------------------------------------------------------|----------------------------|
| Hidden, private, draft, password-protected products    | Never shown, pinned or not |
| Out of stock (setting, on by default)                  | Never shown, pinned or not |
| Excluded categories, tags, products, "Never recommend" | A pin overrides them       |

# 12. Explanation lines (optional)

**In plain words:** Off by default. When it is on, each bundle shown on the shop is queued once; a background job asks your chat model for one short line (at most 20 words, from the names and short descriptions of the products, delimited as data) and keeps it. With **Review** on (default) a line appears only after a person approved it in the tab **Explanation lines**, where each line can be edited, approved, rejected or written again. At most 30 lines per day by default.

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Explanation lines

Optional: one short line "why these go together" per bundle, written once by your AI model in the background from the names and short descriptions of the products, and kept. A page view never calls the AI. The AI can be wrong: read each line before you approve it.

6

To review

0

Waiting to be written

17

Approved

0

Rejected

0

Failed

Find the bundles of all products

Write the waiting lines now

Lines written today: 23 of 30. Bundles are also found when their product page is viewed.

Approve all lines to review

| Bundle                                                           | Line                                | Status    | Actions                                                                                                   |
|------------------------------------------------------------------|-------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------|
| Tavo Round Coffee Table + Soren Sofa + Kilim Wool Rug            | Tavo Round Coffee Table, Soren Sc   | To review | <div>Save and approve</div> <div>Approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div> |
| Nova TV Unit + Sera Console Table + Haven Two-Door Wardrobe      | Nova TV Unit, Sera Console Table &  | To review | <div>Save and approve</div> <div>Approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div> |
| Fjord Oak Bed + Ende Bed Bench + Lino Nightstand                 | Fjord Oak Bed, Ende Bed Bench an    | To review | <div>Save and approve</div> <div>Approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div> |
| Majlis Floor Cushion Set + Kilim Wool Rug + Fanar Brass Lantern  | Majlis Floor Cushion Set, Kilim Woc | To review | <div>Save and approve</div> <div>Approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div> |
| Ostra Dining Table + Vera Dining Chair + Rattan Pendant Light    | Ostra Dining Table, Vera Dining Chi | To review | <div>Save and approve</div> <div>Approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div> |
| Mesa Sideboard + Abstract Framed Art + Terra Vase Set            | Mesa Sideboard, Abstract Framed     | To review | <div>Save and approve</div> <div>Approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div> |
| Mira Lounge Armchair + Arco Floor Lamp + Pia Pedestal Side Table | Mira Lounge Armchair, Arco Floor L  | Approved  | <div>Save and approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div>                    |
| Lino Six-Drawer Dresser + Halo Round Mirror + Lino Nightstand    | Lino Six-Drawer Dresser, Halo Rour  | Approved  | <div>Save and approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div>                    |
| Arch Floor Mirror + Woven Seagrass Basket + Halo Round Mirror    | Arch Floor Mirror, Woven Seagrass   | Approved  | <div>Save and approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div>                    |
| Soren Sofa + Wool-Blend Throw + Linen Cushion Cover              | Soren Sofa, Wool-Blend Throw and    | Approved  | <div>Save and approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div>                    |
| Nube Boucle Accent Chair + Boucle Pouf + Wool-Blend Throw        | Nube Boucle Accent Chair, Boucle    | Approved  | <div>Save and approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div>                    |
| Atlas Bookcase + Woven Seagrass Basket + Nova TV Unit            | Atlas Bookcase, Woven Seagrass B    | Approved  | <div>Save and approve</div> <div>Reject</div> <div>Write again</div> <div>Delete</div>                    |

Lines to review and approved lines.

**Important:** The AI can be wrong or vague. Read each line before you approve it.

# 13. Settings

**In plain words:** Settings → AI Recommender.

WooCommerce AI Test Site

2

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0

New

Howdy, Shop admin

Dashboard

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WooCommerce

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Payments

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AI Chatbot

AI SEO Meta

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AI Comment Moderator

AI FAQ Generator

AI Recommender

AI Review Summarizer

AI SEO Meta

AI Smart Search

AI Support Replies

AI Writing Assistant

AI Translator

Collapse Menu

AI Product Recommender and Bundles

SettingsAI connection

Where to show

Recommendations

☒ Show recommendations on the shop

Off: nothing is shown and WooCommerce works as before. The admin preview keeps working.

Related products on the product page

Replace the products of the WooCommerce "Related products" block

Replace keeps the look of your theme. In block themes the Related products block shows the same products in its own sort order.

Bundle on the product page

☒ Show a "Complete the look" bundle with an "Add all to cart" button

Place of the bundle

Below the product summary

Cart page

☒ Show recommendations for the products in the cart

Order received page

☐ Show recommendations after an order (only the products of the order are used)

Related products shown

4

Products added to the bundle

2

The bundle is the product of the page plus this number of products.

Products shown on the cart page

4

Ranking

Related: weight of the meaning

70

Related products: how much the similarity of the product texts counts.

Related: weight of "bought together"

30

Related products: how much the orders of your shop count.

Bundle and cart: weight of the meaning

30

Bundle and cart: weight of "bought together"

70

Bundles and the cart page are about products that complete each other, so the orders count more by default.

Minimum similarity

35

Percent. A product that was never bought together with this one is suggested only when its meaning is at least this similar.

Minimum times bought together

2

Pairs seen in fewer orders are ignored (one order is often chance).

Complements in bundles

☒ In a bundle, skip products of the same category as the main product (they are alternatives, not complements)

Fallback

☒ When there are not enough AI or order data, fill with related products by category and tag

Exclusions

Out-of-stock products

☒ Never suggest products that are out of stock

Hidden, private, draft and password-protected products are never suggested. Use the lists below to exclude more.

Bought together (your orders)

Orders counted

☒ Completed ☐ Processing

Only the products of each order are read, and only counts are stored: no customer, address, price or date of an order.

Period

365

Days. Orders created in this period are counted.

Largest order counted

30

Orders with more different products are skipped (wholesale orders add noise and slow the count).

Count again automatically

Every day

The count runs in the background in small batches.

Index

Index on save

☒ Index a product again in the background when its text changes

Products per batch

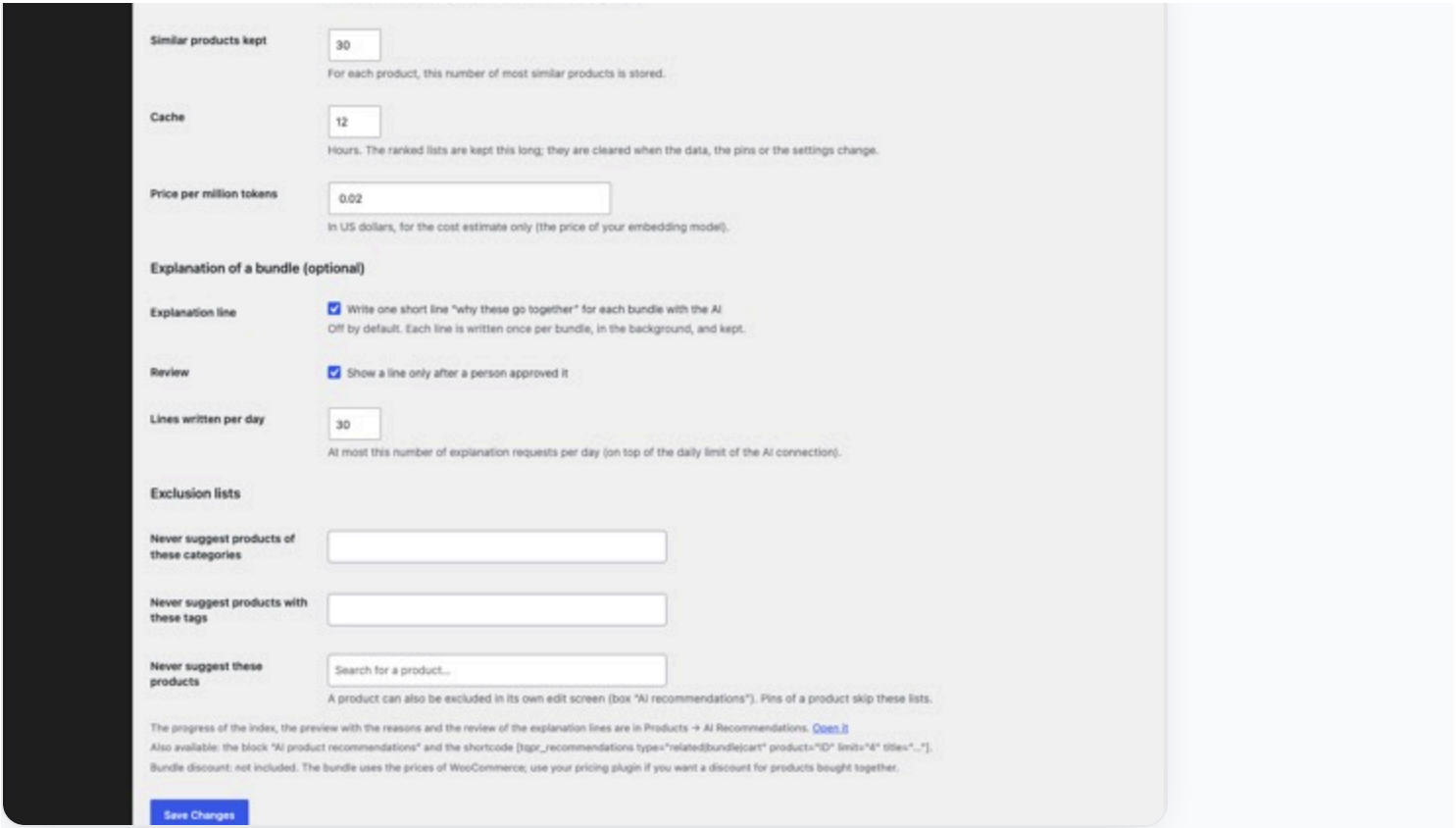
20

Products sent to the embedding model in one request.

Text per product

2000

Characters of the product text sent to the embedding model.



The settings tab.

| Option          | Meaning                                                                                                          |
|-----------------|------------------------------------------------------------------------------------------------------------------|
| Recommendations | The main switch.                                                                                                 |
| Where to show   | Related products, bundle and its place, cart page, order received page, numbers of products.                     |
| Ranking         | The weights, the minimum similarity, the minimum times bought together, complements in bundles, the fallback.    |
| Exclusions      | Out-of-stock products and the lists of categories, tags and products.                                            |
| Bought together | Order statuses, period, largest order counted, automatic count.                                                  |
| Index           | Index on save, products per batch, text per product, similar products kept, cache hours, price for the estimate. |
| Explanation     | On/off, review, lines per day.                                                                                   |

# 14. Cache and performance

**In plain words:** A page view reads two short lists from the plugin's tables and ranks them; the result is cached (12 hours by default) and cleared when the counts or the lists change, when the settings change, or when the pins of a product change. Stock and visibility are checked on every view, so an out-of-stock product disappears at once. **Clear the cache** is on the Status tab.

**In plain words:** The similar products are computed in PHP on your server, in batches of a few seconds. Measured on a test machine (Apple Silicon Mac, PHP 8.3, MySQL 8.0) with synthetic vectors:

| Catalogue                         | Measured                                                                              |
|-----------------------------------|---------------------------------------------------------------------------------------|
| 1,000 products, vector size 256   | about 20 seconds of background work for all lists (0.017 s per product)               |
| 1,000 products, vector size 1536  | about 1.6 minutes (0.095 s per product)                                               |
| 10,000 products, vector size 256  | about 29 minutes (0.17 s per product)                                                 |
| 10,000 products, vector size 512  | about 1 hour (0.36 s per product)                                                     |
| 10,000 products, vector size 1536 | about 4.5 hours (1.6 s per product)                                                   |
| One batch                         | 2.5 to 3.3 seconds, peak memory 42 MB or less                                         |
| A page view                       | reading the stored list of a product: about 0.06 ms; the ranked lists are then cached |
| Counting 1,000 orders             | 1.3 seconds in 11 batches of 100                                                      |

**In plain words:** Your server may be slower or faster. Above about 10,000 products use a smaller vector size; for catalogues of tens of thousands of products a dedicated vector database is the better tool, and this plugin does not include one.

## 15. Limits

| Limit            | Detail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Not personalised | The suggestions depend on the products, not on the visitor: there is no tracking, no history and no cookie.                                                                                                                                                                                                                                                                                                                                                                                                                                |
| New shops        | Without orders the bought-together part is empty and the meaning and the fallback work alone.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Bundle discount  | Not included (see On the shop).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Providers        | Embeddings need an OpenAI-compatible endpoint; Anthropic can write the explanation lines only.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Accuracy         | Embeddings and order counts can suggest odd products. Check important products in the Preview and use pins and exclusions.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Block themes     | The Related products block keeps its own sort order; the Cart block section is updated on the next page load.                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Product types    | Bundles take simple and variable products; grouped and external products are not added by Add all to cart.                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Page caching     | The product page sections are the same for every visitor and can be cached. The cart section (and the block or shortcode of type cart) depends on the cart of the visitor: show it only on pages your caching plugin does not cache (the WooCommerce cart and checkout pages are excluded by caching plugins by default). The Add all to cart button carries a WordPress security token that is valid for 12 to 24 hours: keep the page cache lifetime of product pages under 12 hours, or the button asks the visitor to reload the page. |
| Screenshots      | The pictures were taken on a demo furniture shop with demo orders and a deterministic test embedding service (not a real AI model). The scores shown are illustrations; real results depend on your model, products and orders.                                                                                                                                                                                                                                                                                                            |

## 16. Privacy

**In plain words:** Using an AI model means sending text to your provider. When a product is indexed its title, descriptions, attributes, categories and tags are sent; with the explanation lines on, the names and short descriptions of the products of a bundle. No customer or order data is ever sent: the bought-together counts are computed on your site. E-mail addresses, phone numbers and card-like numbers are masked first (an option, on by default). Nothing is sent to Taqnix. Mention your AI provider in your privacy policy: the plugin adds a suggested paragraph in **Settings → Privacy**.

**Important:** AI can be wrong. Treat what it writes as a draft and read it before you publish it.

## 17. Who can do what

| Who                                   | Can                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------|
| Administrators                        | Change the settings and the AI connection.                                             |
| Shop managers<br>(manage_woocommerce) | Index, count the orders, preview, review the lines, clear the cache.                   |
| Product editors                       | Pins and Never recommend of the products they can edit.                                |
| Visitors                              | See the suggestions and use Add all to cart (security token, checks of every product). |

## 18. Arabic and right to left

مرحبًا، مدير المتجر

حالة0 جديدK%2مشاركTaqnix AI Test Site

الإعدادات

موصي المنتجات بالذكاء الاصطناعي

الحالةالمقايمةأسطر الشرح

45أزواج تُشترى معًا

124الطلبات المحسوبة

0فشلت

0منتظرة

42قوائم المنتجات المشابهة

42منتجات مضمّنة

تُشترى معًا (طلباتك)

آخر عدّ: أكتوبر 29, 9:09 2026 م، 124 طلب من آخر 365 يوم.

إعداد الطلبات الآن

يُحسب على موقعك. لا تُقرأ إلا منتجات كل طلب؛ ولا تُحفظ إلا الأعداد (أزواج المنتجات وعدد طلبات كل منتج). لا تُحفظ شيء عن العملاء ولا يُرسل إلى الذكاء الاصطناعي.

المعنى (تضمينات الذكاء الاصطناعي)

42 من منتج جاهر

افحص كل المنتجات من جديد

فهرس المنتجات المنتظرة الآن

نموذج التضمين: text-embedding-3-small. يُرسل عنوان كل منتج منشور وتصنيفاته ووسومه وخصائصه الظاهرة وأوصافه مرة واحدة، ثم حين تغير فقط. ثم تُحسب المنتجات المشابهة على خادمك بلا طلبات ذكاء اصطناعي.

تُحفظ القوائم المرتبة 12 ساعة وتُسمح تلقائيًا حين تغير البيانات أو المنتجات المثبتة أو الإعدادات. [أفرغ الذاكرة المؤقتة](#)

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العلامات التجارية

التصنيفات

الوسوم

السمات

المراجعات

ملخصات المراجعات

نوصيات الذكاء الاصطناعي

البحث الذكي

المدفوعات

التحليلات

التسويق

مينا السيو بالذكاء الاصطناعي

روبوت المحادثة الذكي

المظهر

إضافات

أعضاء

The Status tab in an Arabic WordPress.

مرحبًا، مدير المتجر

0 جديدK%2Taqrnx AI Test Site

الإعدادات

موصي المنتجات بالذكاء الاصطناعي

الحالة

المعاينة

أسطر الشرح

عرض

المنتجSoren Sofa (#98)

ما سيراه الزوار لهذا المنتج، محسوبيًا الآن بلا ذاكرة مؤقتة، مع سبب كل اقتراح.

Soren Sofa

في 30 طلب محسوب، جرّ المنتجات المُنشئة · عرض المنتج

منتجات ذات صلة

الأوران: المعنى 70، وُيُشترى معًا 30.

| # | المنتج                                                                                                                         | النتيجة                   | التشابه   | يُشترى معًا                  | لماذا               |
|---|--------------------------------------------------------------------------------------------------------------------------------|---------------------------|-----------|------------------------------|---------------------|
| 1 |  Wool-Blend Throw \$89.00                   | —                         | —         | —                            | مُنبت               |
| 2 |  Linen Cushion Cover \$39.00                | <div><div></div></div> 62 | تشابه 69% | اشترى معه 14 مرة (من 30 طلب) | مشابه + يُشترى معًا |
| 3 |  Boucle Pouf \$129.00                       | <div><div></div></div> 46 | تشابه 65% | —                            | معنى مشابه          |
| 4 |  Nube Boucle Accent Chair \$429.00 \$379.00 | <div><div></div></div> 45 | تشابه 65% | —                            | معنى مشابه          |

الحزمة (أكمل الإطلالة)

الأوران: المعنى 30، وُيُشترى معًا 70.

| # | المنتج                                                                                                          | النتيجة                   | التشابه   | يُشترى معًا                  | لماذا               |
|---|-----------------------------------------------------------------------------------------------------------------|---------------------------|-----------|------------------------------|---------------------|
| 1 |  Wool-Blend Throw \$89.00    | —                         | —         | —                            | مُنبت               |
| 2 |  Linen Cushion Cover \$39.00 | <div><div></div></div> 53 | تشابه 69% | اشترى معه 14 مرة (من 30 طلب) | مشابه + يُشترى معًا |

سطر الشرح: Soren Sofa, Wool-Blend Throw and Linen Cushion Cover share the same calm style and finish the room together. معتمد

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ملخصات المراجعات

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البحث الذكي

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التحليلات

التسويق

مينا السيو بالذكاء الاصطناعي

روبوت المحادثة الذكي

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إضافات

أعضاء

أدوات

الإعدادات

طلي القائمة

النسخة 7.1.4

شكرًا لك لاستخدامك ووردبريس.

The preview, in Arabic.

## 19. For developers

**In plain words:** Skip this chapter if you only use the plugin. Tables: `{prefix}tqpr_index` (vectors), `{prefix}tqpr_similar` (lists), `{prefix}tqpr_pairs` (counts), `{prefix}tqpr_pairs_build` (count in progress), `{prefix}tqpr_explain` (lines).

```
// The recommendations from your own code (ids, scores, reasons)
$res = TQPR_Engine::recommend( $product_id, 'bundle', 3 );

// Add a brand or any meta to the text that is embedded
add_filter( 'tqpr_product_text', function ( $text, $product ) {
    return $text . "\nBrand: " . $product->get_meta( 'brand' );
}, 10, 2 );

// Never recommend some products (return a short reason)
add_filter( 'tqpr_visible', function ( $ok, $product ) {
    return $product->get_meta( 'b2b_only' ) ? 'b2b' : $ok;
}, 10, 2 );

// Highest quantity of one product added by the bundle button (default 10)
add_filter( 'tqpr_bundle_max_qty', function () { return 3; } );

// The key can live in wp-config.php
define( 'TQPR_AI_KEY', 'sk-...' );
```

## 20. Troubleshooting

| Problem                                          | What to do                                                                                                                              |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Only "Same category or tag" suggestions          | No embeddings yet and no counts: index the products and count the orders.                                                               |
| The AI service answered 401                      | The key is wrong or has no access to the model.                                                                                         |
| The AI service answered 400 or 404               | The embedding model name or the vector size is not accepted: set the vector size to 0.                                                  |
| Products stay waiting                            | Background jobs run on visits (WP-Cron) or through Action Scheduler: see WooCommerce → Status → Scheduled Actions, or press the button. |
| A product should never appear                    | Mark it Never recommend, or exclude its category or tag.                                                                                |
| A variable product is skipped by Add all to cart | The shopper must choose an option in its list first.                                                                                    |

## 21. Updating and removing

Install the new zip over the old one in **Plugins → Add New Plugin → Upload Plugin** (WordPress offers to replace the current version), or replace the folder `ai-product-recommender-and-bundles-for-woocommerce` by FTP. Your settings, the index, the counts and the lines are kept. To remove the plugin, deactivate and delete it: its settings are removed with it.

Deleting the plugin also drops its five tables and removes the pins, the cached lists and its scheduled jobs. Products and orders are never changed.

## 22. Support

Installation help and bug fixes are included for 6 months, with lifetime updates. Contact us through the marketplace page where you bought the plugin or write to **support@taqnix.com** with your WordPress

version, the plugin version and a screenshot.

# Changelog

## 1.0.0 – Initial release

- Related products and “complete the look” bundles from AI embeddings blended with bought-together counts
- Bought-together counts computed locally from completed orders (HPOS and legacy storage), counts only
- Add all to cart with server-side validation, variations, stock and capped quantities
- Admin preview with the reasons, pins, exclusion rules, fallback by category and tag
- Background indexing with progress, re-index on save, cache with invalidation, atomic daily AI limit
- Optional reviewed explanation line per bundle; block, shortcode, cart and order received sections; Arabic translation