ZooDrop Dropshipping Connector

User Guide & Configuration Reference | Version 1.0.2

Native PrestaShop 9.2+ B2C importer and stock/price synchronizer for ZooDrop CSV feeds featuring pre-import category selection, strict carton packaging safety, and German PAngV unit pricing.

Module	ZooDrop Dropshipping Connector (`zoodropnalezny`) 1.0.2
Compatibility	PrestaShop 9.2 and newer, PHP 8.2+, Multistore single-shop context
Official Feeds	`zoodrop_utf8.csv` (nightly catalog) & `update_utf8.csv` (hourly stock/price), locked HTTPS URLs
Architecture	Zero core overrides; native hooks, custom mapping tables, Back Office AJAX runner, and Symfony Console CLI
Upgrade Safety	Uninstalling preserves catalog mappings, tables, and configuration for clean reinstalls or Pro upgrade

> **Two-Step Setup Gate & Safe Execution Guarantee**
>
> Import and synchronization stay locked until you consciously review margins, tax rules, and ZooDrop terms, check the confirmation box, load the ZooDrop category tree, and select at least one target category. Browser imports run in time-budgeted steps (<= 10 seconds per chunk) with per-item counter commits to prevent PHP timeouts, while manual title, description, translation, and photo edits are never overwritten.

Key Capabilities for Your Store

- **Pre-Import Category Filtering:** Scans all 657 ZooDrop category paths in memory before creating a single PrestaShop category or product, importing only the branches you select.
- **Strict Carton Packaging (VPE > 1):** Automatically multiplies prices and PAngV quantities by carton size, converts stock strictly to whole available cartons (`floor(BESTAND / VPE)`), and labels packs clearly (`(VE: 6x)`).
- **Variant Grouping & Per-Combination Guard:** Merges sibling variants (`SUCHNUMMER`) with 1D/2D attribute detection, splits mismatched tax rates or units safely, and blocks out-of-stock `Lagerartikel` combinations in cart even when a `Fullfillment` sibling shares the same parent product.
- **German Legal Compliance:** Dynamic PAngV unit prices normalized to `1 kg` / `1 l` (converting `100 g` / `100 ml`), net rounding derived from 2-decimal B2C gross prices, and configurable shipping-conditions notices.

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01 | INSTALLATION & FEED FILTERS

Installation & Setup Gate Workflow

Complete these four steps once after uploading the module archive to unlock Back Office and CRON imports.

1	**Upload & Install ZIP Archive** Open **Modules > Module Manager** in PrestaShop Back Office, click **Upload a module**, and select `zoodropnalezny_v1.0.2.zip`. The installer creates 5 database tables and auto-detects German 19% and 7% tax rule groups.
2	**Open Module Configuration** Navigate to **nalezny.cz > ZooDrop Import** in the left sidebar (or click **Configure** in Module Manager). In Multistore installations, select one specific shop in the top shop switcher first.
3	**Load & Select ZooDrop Categories** Click **Load categories from ZooDrop feed** to scan `zoodrop_utf8.csv`, check only the categories you want to sell, and click **Save category selection**.
4	**Confirm Settings & Run Synchronization** Review margins, tax mappings, and stock filters, tick the **Setup Gate** checkbox, click **Save settings & confirm**, and launch your first import or schedule unattended CRON jobs.

Settings Reference (Feed & Import Filters)

Back Office Setting	Key / Default	Behavior in Store
Full / Update CSV URLs	`FEED_FULL_URL` `FEED_UPDATE_URL`	Locked official HTTPS ZooDrop endpoints (`zoodrop_utf8.csv` and `update_utf8.csv`). Immutable to protect feed integrity.
Target Parent Category	`ROOT_CATEGORY_ID` (`Home`)	PrestaShop parent category under which selected ZooDrop category branches are created.
Products Without Images	`NO_IMAGE_POLICY` (`skip`)	Handles `-HGN` items lacking CSV photos/texts: `skip` (default), `draft` (hidden `active=0`), or `active`. Manually uploaded photos are never deleted.
Skip "Kein Verkauf"	`SKIP_KEIN_VERKAUF` (`Yes`)	Ignores rows marked `Kein Verkauf` during initial import so inactive supplier items do not clutter your store.
Skip Zero Warehouse Stock	`SKIP_ZERO_STOCK` (`Yes`)	Skips out-of-stock `Lagerartikel` items; dropshippable `Fullfillment` products are still imported.
Existing "Kein Verkauf"	`KEIN_VERKAUF_EXISTING` (`disable`)	When an imported product switches to `Kein Verkauf`: hide completely (`active=0`) or keep visible without Order button (`unorderable`).

02 | VARIANTS, PACKAGING & PRICING

Catalog Rules, VPE Cartons & B2C Pricing

Back Office Setting	Key / Default	Behavior & Recommended Values
SKU Missing from Full CSV	`MISSING_SKU_POLICY` (`zero_stock`)	After a complete full import: zero stock and deny backorders (`zero_stock`), disable (`disable`), or leave untouched (`ignore`).
Group Variants (SUCHNUMMER)	`GROUP_VARIANTS` (`Yes`)	Combines sizes, flavors, or weights with shared `SUCHNUMMER` into one product page with PrestaShop combinations.
Primary / Secondary Attribute Group	`ATTR_GROUP_ID` (`0`) `ATTR_GROUP_2_ID` (`0`)	Assign existing PrestaShop attribute group ID(s) or leave `0` to auto-create `Variant / Variante` (and `Variant 2` for 2D grids) and bind by ID so renaming never duplicates groups.
Multi-pack Units (VPE > 1)	`VPE_MODE` (`pack`)	In `pack` mode, sells only full cartons when `floor(BESTAND / VPE) >= 1` (even on `Fullfillment`) with carton price, total weight, and `(VE: Xx)` label; `skip` omits VPE > 1 items.
Selling Price Base	`PRICE_BASE` (`ek`)	Calculates prices from ZooDrop wholesale net purchase price (`EK`) or from manufacturer recommended retail price (`UVP` net).
Margin Percentage (%)	`MARGIN_PCT` (`30.0`)	Percentage added to (or subtracted from when negative on `UVP`) the selected base before VAT. Bounds: -50% to +500%.
Fixed Net Surcharge	`MARGIN_FIXED` (`0.00`)	Fixed amount without VAT in shop currency added per product on top of percentage margin (e.g. packaging or payment fee).
Minimum Margin Floor (%)	`MIN_MARGIN_PCT` (`10.0`)	Safety floor preventing sales below cost: net selling price never falls below `EK * (1 + floor/100)` (protects ~70 items where `UVP < EK + VAT`).
Manual EUR Exchange Rate	`EUR_RATE_OVERRIDE` (`0`)	Keep `0` for EUR shops or automatic PrestaShop exchange rates; enter a custom multiplier only for fixed non-EUR conversion.
VAT Groups (19% / 7%)	`TAX_GROUP_19` / `TAX_GROUP_7`	Maps standard accessories (19% German VAT) and pet food/treats (7% reduced German VAT) to matching PrestaShop tax rule groups.

PAngV Unit Price Normalization & Variant Tax Splitting

German price indication law (PAngV) requires unit prices per `1 kg` or `1 l` rather than 100 g or 100 ml. The module converts `100 g -> 1 kg` and `100 ml -> 1 l` automatically, computes `unit_price_ratio` from your final B2C selling price and total VPE carton content, and splits variant groups cleanly by `(SUCHNUMMER, MWST, norm_unit)` whenever siblings carry mixed VAT rates or units.

03 | LANGUAGES, LEGAL DISPLAY & CRON

Languages, Legal Display & Batch Settings

Back Office Setting	Key / Default	Behavior & Recommended Values
Non-German Languages Fallback	`LANG_FALLBACK` (`copy_de`)	Copies German names/descriptions safely to other active languages (`copy_de`) or fills required title/URL only (`required_only`). Manual edits are preserved via SHA-256 hash checks.
Strip External HTML Links	`STRIP_EXTERNAL_LINKS` (`Yes`)	Removes remote links, anchors, and external images from supplier descriptions to keep customers in your shop cleanly.
Download Product Images	`DOWNLOAD_IMAGES` (`Yes`)	Downloads JPEG/PNG/WebP photos over HTTPS, deduplicates by URL across variants, and generates thumbnails largest-first.
Listing PAngV Unit Price	`DISPLAY_LIST_UNIT_PRICE` (`Yes`)	Displays normalized `(XX EUR / 1 kg)` or `/ 1 l` on category cards via `displayProductPriceBlock` (needed in Hummingbird theme with Add to Cart).
Shipping Notice & CMS Page	`DISPLAY_SHIPPING_NOTE` (`Yes`) `SHIPPING_CMS_ID` (`0`)	Shows `inkl. MwSt., zzgl. Versandkosten` near prices and links to your selected CMS delivery conditions page when configured.
AJAX Batch Sizes	`BATCH_SIZE_FULL` (`20`) `BATCH_SIZE_UPDATE` (`100`)	Max groups (5-100) or SKU rows (20-500) per browser step. Controller enforces a <= 10s wall-clock budget per request so heavy chunks never hit 30s server timeouts.
Setup Confirmation Gate	`SETTINGS_CONFIRMED` (`No`)	Required checkbox before any import or update can run in Back Office or CLI.

Unattended CRON Synchronization (Recommended)

ZooDrop updates `update_utf8.csv` hourly and regenerates `zoodrop_utf8.csv` nightly. Running CRON jobs avoids browser sessions and HTTP timeouts completely:

Crontab Schedule Example (Replace /path/to/prestashop with your webroot)

```
# Every hour at :15 - Quick stock, sales status & price update (update_utf8.csv)
15 * * * * cd /path/to/prestashop && php bin/console zoodropnalezny:update --shop=1 --no-interaction >/dev/null 2>&1

# Every night at 03:30 - Full catalog sync, new products, images & search reindex
30 3 * * * cd /path/to/prestashop && php bin/console zoodropnalezny:import --shop=1 --no-interaction >/dev/null 2>&1

# Every Sunday at 04:15 - Refresh category counts & clean old logs/queues
15 4 * * 0 cd /path/to/prestashop && php bin/console zoodropnalezny:categories --shop=1 --no-interaction && php bin/console zoodropnalezny:cleanup --no-interaction >/dev/null 2>&1
```

04 | SYMFONY CONSOLE CLI & SUPPORT

Symfony Console CLI Reference

All six commands run directly from PrestaShop root via `php bin/console` with full shop context isolation.

Command	Options	Purpose
`zoodropnalezny:categories`	`--shop=ID --cached`	Downloads `zoodrop_utf8.csv` and refreshes the 657-node category tree while preserving your selections.
`zoodropnalezny:import`	`--shop=ID` `--categories=...` `--batch=25` `--cached` `--only-missing-images` `--skip-reindex`	Runs full catalog import/refresh for selected categories (or selectively backfills only products missing images) and updates PrestaShop search index.
`zoodropnalezny:update`	`--shop=ID --batch=100 --cached`	Fast incremental update of stock, sales status, and B2C pricing from `update_utf8.csv` (retains stored `LAGERSTATUS` & `VPE`).
`zoodropnalezny:reindex`	`--shop=ID`	Rebuilds native PrestaShop search index for mapped ZooDrop products.
`zoodropnalezny:status`	`--shop=ID`	Prints Setup Gate readiness, selected category counts, SKU totals, and latest synchronization job state.
`zoodropnalezny:cleanup`	`(none)`	Rotates database logs (max 5,000 rows / 30 days), prunes finished queues older than 7 days, and removes stale temporary files.

German Shipping Scope & Upgrade Preservation

ZooDrop ships parcels strictly within Germany (DE) due to EU packaging compliance (flat 6.49 EUR net per parcel up to 31.5 kg; returns 5.00 EUR net). Configure carriers, shipping costs, and product weights natively in PrestaShop according to your store pricing policy. Always update the module by uploading a new ZIP through Module Manager; uninstalling keeps all database tables and catalog mappings intact for clean reinstalls or future Pro upgrades.

Technical Support

This guide covers version **1.0.2** of `zoodropnalezny`. For support, custom integrations, or Pro version inquiries, contact **nalezny.cz** at `jaroslav@nalezny.cz` or `+420 608 96 10 54`.