

TidyBox API and MCP reference

Version 1.1 · Updated 2026-10-16 · <https://tidybox.eu/api-docs>

Overview

TidyBox exposes the same label-generation engine that powers the website in two ways:

- **MCP** (Model Context Protocol) for AI assistants such as Claude Desktop, Claude Code and Codex. Your assistant calls the tools listed below from a normal chat.
- **REST** (<https://tidybox.eu/api/v1/...>) for your own scripts and systems.

Both are available on the **Business plan** (and to administrators). Every REST route maps to exactly one MCP tool, so whatever your assistant can do, your code can do too.

Tokens

1. Open [your profile](#) and create an API token (up to 10 active tokens per account). The token is shown once - copy it immediately.
2. For MCP, add `https://tidybox.eu/mcp/<token>` as a custom connector.
3. For REST, send the token in the `Authorization: Bearer <token>` header.

Tokens stop working as soon as the account leaves the Business plan. Revoke a token from the profile at any time.

Never put the token in a URL, in a chat message or in a shared log. Download links returned by the API are **signed and time-limited** and open without any token.

Conventions

- Base URL: `https://tidybox.eu`. All responses are JSON with `Content-Type: application/json`.
- Every response carries `ok` (`true` or `false`). Errors carry `error` (a machine code from the [Errors](#) table) and usually a human `message`.
- `POST` bodies are JSON objects. Numbers and booleans must be real JSON types, not strings.
- `GET` parameters go in the query string; integers, numbers and booleans (`true`, `false`, `1`, `0`) are converted by the server.
- Rate limit: 10 `POST` and 60 `GET` requests per minute, per IP and per account. Over the limit you get HTTP 429 `rate_limit`.
- Quota: unique codes are deducted from the account's monthly allowance and purchased packs. Copies, sheets, re-exports and the numbered flag never cost codes.

Concepts

Collections and batches

	Collection	Batch
What it is	A named set of codes that belong together (one storage unit, one customer, one move).	Independent codes with no container (<code>collection_id</code> stays empty).

Numbers	Always printed (box 01, 02, ...). <code>numbered=false</code> is rejected with <code>numbers_required</code> .	Optional. <code>numbered=true</code> (default) prints a number in a white cut-out in the centre of the QR; <code>false</code> centres the QR with no badge.
Size	2 to 1024 unique codes.	1 to 1024 unique codes per print batch (the Business plan caps a batch at 1000); up to 100 per synchronous <code>create_batch</code> call.
Serial	TB-DDMMYY-NNN, printed on A4 sheets (<code>serial-A</code> , <code>serial-B</code> , ...) and returned by every call. Keep it in your records.	No serial. The printed numbers are the stable identity.
Outputs	A4 PDF, thermal roll PDF, PNG ZIP.	A4 PDF, thermal roll PDF, PNG ZIP.

A4 layouts

A4 sheets use standard self-adhesive label paper. `unique codes per sheet = cells / copies`.

id	Grid	Cells per sheet	Label size, mm	Default copies	Max sheets
sc	3 x 4	12	63.5 x 72	1 in the catalogue; the API and the website default <code>sc</code> to 2	10
mv	3 x 5	15	70 x 50.8	3	10
mid	3 x 7	21	63.5 x 38.1	1	10
mini	4 x 10	40	52.5 x 29.7	1	10
xl	2 x 4	8	105 x 74	1	10
mix	2 x 4	72 unique over 4 sheets	105 x 74	1, fixed	4, fixed

`copies` (1 to 3) is how many identical stickers each code gets, for example one per side of a box. Copies multiply stickers and pages, never the code cost. `GET /api/v1/print-layouts` returns the catalogue with paper references.

Thermal roll labels

Pass `media=roll` with a `roll_preset`. Roll output is **monochrome** (black on white), the number sits in a round white cut-out in the centre of the QR, and the collection serial is not printed on the label. If the label is wider than it is tall, the artwork is rotated 90 degrees inside the PDF; the physical page size is not swapped.

roll_preset	Width x height, mm	Notes
shipping-100-150	100 x 150	Portrait
square-100-100	100 x 100	Portrait
label-100-90	100 x 90	Landscape
wide-100-50	100 x 50	Landscape
brother-ql-62	62 x continuous	Brother QL continuous tape; height is measured from the content
dymo-89-36	89 x 36	Dymo address label, landscape

dymo-54-101	54 x 101	Dymo shipping label, portrait
mini-50-30	50 x 30	Minimal: QR and number only, no header or logo
mini-40-30	40 x 30	Minimal: QR and number only
custom	20 to 120 x 20 to 300	Pass <code>custom_width_mm</code> and <code>custom_height_mm</code> (up to three decimals)

Roll creation needs `count` (2 to 1024 unique codes for collections, 1 to 1024 for batches). Do not pass `layout` or `sheets` with `media=roll`. Quote first: the quote returns the measured content size and fails with `label_too_small` when the QR and margins cannot fit.

Copies, sheets and numbering

- `copies`: 1 to 3 stickers per unique code. Default 2 for `sc`, otherwise the layout default (1 for roll).
- `sheets`: 1 to 10 A4 sheets for a print collection. Unique codes are derived from `layout x copies x sheets`; do not pass `count` for A4 collections.
- Print batches derive pages from `count x copies`; do not pass `sheets`.
- Collections are always numbered. Batches accept `numbered=false`. A batch that contains codes later moved into a collection must be re-exported with numbers (`numbers_required`).

Brands, branding and white-label

A **brand** is a saved set of scan-page settings (public name, logo, welcome text, "Buy more" link) plus an optional sticker design. Brands are created in the [profile](#); the API only selects one by `brand_id`.

- `branding=true` applies the brand's scan page to every QR of the run **live**: editing the brand later updates all its linked scan pages. Print collections default to `true` (account default brand); batches and ZIP collections default to `false`.
- `white_label=true` prints the brand's own frame colour, header text and footer logo **on the sticker** instead of the TidyBox artwork. The design is frozen at creation and costs one purchased white-label code per unique code (packs of 100 for EUR 20). Default `false`. Optional `wl_spec` (`bg`, `header_text`, `header_color`, `logo`) overrides the design for one run.
- Results echo `brand_id`, `branding_applied`, `branding_binding_id` and `brand_version_at_issue` (the version frozen for this run, not the brand's live version).

Colour

- A4 sheets are always in colour: each code gets its collection colour and a numbered badge.
- Roll labels are always monochrome.
- `colored=false` exists only for ZIP collections (`create_collection`, POST `/api/v1/collections`): the PNG codes are then black on white.

Serials and polling

Creation calls return immediately. Code generation and PDF rendering happen in the background:

1. Poll the status of the collection or export until `done / status=ready`.
2. Open the returned `pdf_url`, `zip_url` or `download_url`. These links are signed, expire (PDF exports after 7 days) and need no Authorization header.
3. Keep `collection_id`, `batch_id` and `serial` in your own records.

MCP

Connecting

Client	How
Claude Desktop	Settings > Connectors > Add custom connector > paste <code>https://tidybox.eu/mcp/<token></code>
Claude Code	<code>claude mcp add --transport http tidybox https://tidybox.eu/mcp/<token></code>
Codex and other clients	Remote MCP server over HTTP (JSON-RPC, stateless POST) at <code>https://tidybox.eu/mcp</code> with <code>Authorization: Bearer <token></code> , or the <code>/mcp/<token></code> form

The server implements `initialize`, `tools/list` and `tools/call`. The server instructions tell the assistant which tool to pick; you only describe what you need.

Tools

Tool	Purpose	Key arguments	Returns
<code>list_print_layouts</code>	Catalogue of A4 layouts and roll presets.	<code>media</code> (<code>a4</code> , <code>roll</code> , <code>all</code>)	<code>layouts</code> , <code>roll_presets</code> , <code>custom_bounds</code>
<code>quote_print_collection</code>	Cost and sticker count of a print collection before creating it.	<code>layout</code> , <code>copies</code> , <code>sheets</code> or <code>media=roll</code> , <code>roll_preset</code> , <code>count</code> ; <code>white_label</code> , <code>brand_id</code>	<code>unique</code> , <code>stickers</code> , <code>blanks</code> , <code>pages</code> , <code>wl_available</code> , <code>wl_cost</code>
<code>create_print_collection</code>	One numbered print collection (A4 or roll) with a PDF.	as quote plus <code>name</code> , <code>branding</code> , <code>white_label</code> , <code>wl_spec</code> , <code>brand_id</code>	<code>collection_id</code> , <code>serial</code> , <code>unique</code> , <code>print</code>
<code>create_print_collection_bulk</code>	Up to 100 identical print collections in one call.	<code>quantity</code> , <code>name_prefix</code> , same print options	<code>collections[]</code> with <code>collection_id</code> , <code>serial</code> , <code>name</code>
<code>collection_status</code>	Progress of any collection; returns the signed <code>pdf_url</code> or <code>zip_url</code> when ready.	<code>collection_id</code>	<code>generated</code> , <code>total</code> , <code>done</code> , <code>export_status</code> , <code>pdf_url</code> , <code>zip_url</code>
<code>list_collections</code>	Collections owned by the token account, newest first.	<code>limit</code> , <code>offset</code>	<code>collections[]</code>
<code>create_collection</code>	One ZIP collection of PNG codes (no paper layout).	<code>count</code> , <code>name</code> , <code>colored</code> , <code>brand_id</code> , <code>branding</code> , <code>white_label</code>	<code>collection_id</code> , <code>serial</code> , <code>total</code>

create_collections_bulk	Up to 200 ZIP collections in one call.	quantity, count, name_prefix, colored	collections[]
export_collection	Free re-export of an existing collection as A4, roll or PNG ZIP.	collection_id, format (pdf, png-zip), media, layout, roll_preset, copies, design_hash	export_id, status, download_url when ready
export_status	Inspect an export, a collection or a batch without creating anything. Pass exactly one of export_id, collection_id, batch_id.	one id	status, download_url, last_spec, design_groups
quote_print_batch	Cost and pages of a print batch.	count, media, layout or roll_preset, copies, numbered	unique, pages, quota_cost, wl_cost
create_print_batch	Independent codes plus a printable PDF (A4 or roll), numbered or plain.	as quote plus batch_name, prefix, brand_id, branding, white_label, wl_spec	batch_id, export_id, status, download_url when ready
export_batch	Free re-export of an existing batch.	batch_id, format, media, layout, roll_preset, copies, numbered, design_hash	export_id, status, download_url when ready
create_batch	Up to 100 codes immediately, PNG ZIP, no paper layout.	count, prefix, batch_name, style_json, accent_color, numbered	uids[], batch_id, zip_url
create_code	One code immediately.	name, style_json	code, url, png_url
list_brands	The account's brand library.	include_archived	brands[], default_brand_id, ready

Typical conversations

- "Make 30 numbered stickers for unit A12 on SC paper, two per box": quote_print_collection then create_print_collection (layout=sc, copies=2, sheets=5), poll collection_status, open pdf_url.
- "Print 40 labels on my Brother QL-700": list_print_layouts (media=roll), then create_print_collection with media=roll, roll_preset=brother-ql-62, count=40.
- "I need 200 plain QR labels without numbers, 100 x 50": create_print_batch with count=200, media=roll, roll_preset=wide-100-50, numbered=false.

- "Re-print collection 512 on MID paper": `export_collection(collection_id=512, format=pdf, media=a4, layout=mid), poll export_status(export_id).`
- "Ten identical sets for ten new tenants": `create_print_collection_bulk(quantity=10, name_prefix="Tenant").`

REST

Conventions

Each route below lists its parameters, an example request and the shape of the response. Parameters marked body are JSON fields of a `POST`; parameters marked query belong to a `GET` query string. Ids in the path (`{id}`, `{export_id}`) always win over the same field in the body.

Status codes: 200 for reads and quotes, 201 for synchronous creation (`/batches`, `/codes`), 202 when work continues in the background (`/collections`, `/print batches`, `/exports`). Errors use the codes in the [Errors](#) table.

```
# Every example assumes
export TB_TOKEN="paste-your-token-here"
export TB="https://tidybox.eu/api/v1"
```

GET /api/v1/print-layouts

A4 layouts and roll presets.

Name	Type	Required	Description
media	string (query)	no	a4 (default), roll or all

```
curl -H "Authorization: Bearer $TB_TOKEN" "$TB/print-layouts?media=all"
```

```
{
  "ok": true,
  "layouts": [{ "id": "sc", "cols": 3, "rows": 4, "cells": 12, "default_copies": 1,
    "max_sheets": 10, "paper_refs": [{ "key": "print.paper.avery_l7164", "url":
    "https://..." } ] },
  "roll_presets": [{ "id": "brother-ql-62", "width_mm": 62, "height_mm": null,
    "composition": "portrait", "omitted_elements": ["serial"] },
  "custom_bounds": { "min_width_mm": 20, "max_width_mm": 120, "min_height_mm": 20,
    "max_height_mm": 300 }
}
```

GET /api/v1/print-quote

Quote a print collection. Nothing is created or charged.

Name	Type	Required	Description
media	string (query)	no	a4 (default) or roll
layout	string (query)	no	A4 layout id, default <code>sc</code>
copies	integer (query)	no	1 to 3

sheets	integer (query)	no	1 to 10 (A4)
roll_preset	string (query)	roll	Preset id or <code>custom</code>
custom_width_mm, custom_height_mm	number (query)	custom	Label size in mm
count	integer (query)	roll	2 to 1024 unique codes
white_label	boolean (query)	no	Echoed back; the quote always includes the white-label balance
brand_id	integer (query)	no	Own brand id

```
curl -H "Authorization: Bearer $TB_TOKEN" "$TB/print-quote?
layout=mid&copies=1&sheets=2"
```

```
{"ok": true, "layout_id": "mid", "copies": 1, "sheets": 2, "unique": 42, "stickers":
42, "blanks": 0, "pages": 2, "price_cents": 420, "wl_available": 0, "wl_unlimited":
false, "wl_configured": false, "wl_cost": 42}
```

POST /api/v1/print-collections

Create one print collection. Codes are generated and the PDF is rendered in the background.

Name	Type	Required	Description
name	string (body)	no	Shown in the dashboard, max 200 characters
media	string (body)	no	a4 (default) or roll
layout	string (body)	no	sc, mv, mid, mini, xl, mix
copies	integer (body)	no	1 to 3
sheets	integer (body)	no	1 to 10, A4 only
roll_preset, custom_width_mm, custom_height_mm, count	see quote (body)	roll	Roll options
brand_id	integer (body)	no	Own brand; omitted = account default brand
branding	boolean (body)	no	Default <code>true</code>
white_label	boolean (body)	no	Default <code>false</code>
wl_spec	object (body)	no	bg, header_text, header_color, logo
webhook_url	string (body)	no	Reserved; validated, not called yet

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"name": "Unit A12", "layout": "sc", "copies": 2, "sheets": 3}' "$TB/print-collections"
```

```
{"ok": true, "created": true, "collection_id": 512, "serial": "TB-161026-007",
"unique": 18, "status": "generating", "print": {"layout": "sc", "copies": 2,
"sheets": 3}, "branding": true, "white_label": false, "brand_id": 4,
"branding_applied": true, "branding_binding_id": 91, "brand_version_at_issue": 3}
```

Roll example:

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"name": "Shelf labels", "media": "roll", "roll_preset": "brother-ql-62",
"count": 40}' "$TB/print-collections"
```

POST /api/v1/print-collections/bulk

Up to 100 identical print collections in one call. The quota for the whole bulk is checked first; a shortfall creates nothing.

Name	Type	Required	Description
quantity	integer (body)	yes	1 to 100
name_prefix	string (body)	yes	Names become <prefix> 001, <prefix> 002, ...
print options	as above (body)	no	Same layout, copies, sheets or roll options for every collection

```
{"ok": true, "collections": [{"collection_id": 513, "serial": "TB-161026-008",
"name": "Tenant 001"}], "quantity": 10, "created": 10, "unique_per": 6, "status":
"generating", "print": {"layout": "sc", "copies": 2, "sheets": 1}}
```

GET /api/v1/print-collections/{id}

Progress of a print collection. Polling a stalled generation restarts it.

```
curl -H "Authorization: Bearer $TB_TOKEN" "$TB/print-collections/512"
```

```
{"ok": true, "collection_id": 512, "serial": "TB-161026-007", "generated": 18,
"total": 18, "done": true, "status": "ready", "print": {"layout": "sc", "copies": 2,
"sheets": 3, "unique": 18}, "export_status": "ready", "export_id": "3f1c...",
"pdf_url": "https://tidybox.eu/php/label-export-http.php?...", "pdf_expires_at":
"2026-10-23T09:00:00+00:00", "zip_url": "https://tidybox.eu/php/download-
batch.php?..."}

```

done means the codes exist. Wait for export_status=ready and pdf_url before downloading. Roll collections add media, roll_preset, width_mm, height_mm and composition to print.

GET /api/v1/brands

The account's brand library (read-only). Brands are managed in the profile.

Name	Type	Required	Description
include_archived	boolean (query)	no	Default <code>true</code>

```
{"ok": true, "ready": true, "default_brand_id": 4, "brands": [{"id": 4, "internal_name": "Main brand", "status": "active", "is_default": true, "version": 3, "linked_qr_count": 240, "scan": {"brand_name": "Acme Storage", "ready": true}, "wl": {"ready": false}}]}
```

GET /api/v1/print-batch-quote

Quote a print batch of independent codes. Nothing is created.

Name	Type	Required	Description
count	integer (query)	yes	1 to 1024 unique codes
media	string (query)	no	a4 (default) or roll
layout	string (query)	no	A4 layout id, default sc
roll_preset, custom_width_mm, custom_height_mm	see above (query)	roll	Roll options
copies	integer (query)	no	1 to 3, default 1
numbered	boolean (query)	no	Default <code>true</code>
white_label, brand_id, branding	see above (query)	no	Brand options

```
curl -H "Authorization: Bearer $TB_TOKEN" "$TB/print-batch-quote?count=200&media=roll&roll_preset=wide-100-50&numbered=false"
```

```
{"ok": true, "unique": 200, "quota_cost": 200, "wl_cost": 0, "print": {"media": "roll", "roll_preset": "wide-100-50", "copies": 1, "numbered": false, "width_mm": 100, "height_mm": 50, "composition": "landscape", "pages": 200}, "plan": "business", "batch_cap": 1000}
```

POST /api/v1/print-batches

Create independent codes and queue their PDF.

Name	Type	Required	Description
count	integer (body)	yes	1 to 1024
batch_name	string (body)	no	Dashboard name, max 200
prefix	string (body)	no	Code names <prefix>-001, ... (independent from printed numbers)

media, layout, roll_preset, custom_width_mm, custom_height_mm, copies, numbered	as quote (body)	no	Print options
brand_id, branding, white_label, wl_spec	as above (body)	no	Brand options; branding defaults to false for batches

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"count": 200, "batch_name": "Plain labels", "media": "roll", "roll_preset": "wide-100-50", "numbered": false}' "$TB/print-batches"
```

```
{"ok": true, "created": true, "batch_id": 88, "unique": 200, "print": {"media": "roll", "roll_preset": "wide-100-50", "numbered": false, "copies": 1}, "quota_cost": 200, "wl_cost": 0, "status": "queued", "export_id": "9a7b...", "status_url": "https://tidybox.eu/php/export-status.php?export=..."}
```

If the response has `created: true` with `status: "export_failed"` and no `export_id`, the codes already exist: do not create the batch again. Call `POST /api/v1/print-batches/{id}/exports` with the same print options instead.

GET /api/v1/print-batches/{id}

Inspect a batch without creating anything: counts, whether numbers are required, the last print specification and the last ready export.

```
{"ok": true, "batch_id": 88, "name": "Plain labels", "unique": 200, "total": 200, "generated": 200, "generation_done": true, "numbers_required": false, "last_spec": {"media": "roll", "roll_preset": "wide-100-50", "numbered": false}, "last_export": {"export_id": "9a7b...", "status": "ready", "download_url": "https://tidybox.eu/php/label-export-http.php?..."}, "original_zip_url": "https://tidybox.eu/php/download-batch.php?..."}

```

POST /api/v1/print-batches/{id}/exports

Re-export an existing batch as PDF (A4 or roll) or PNG ZIP. Free: no codes are spent.

Name	Type	Required	Description
format	string (body)	yes	pdf or png-zip
media	string (body)	pdf	a4 (default) or roll
layout, roll_preset, custom_width_mm, custom_height_mm, copies	as above (body)	no	Print options (omit all for png-zip)
numbered	boolean (body)	no	Default <code>true</code> ; <code>false</code> re-renders plain centred labels
design_hash	string (body)	no	Only after <code>mixed_brand_export</code> : one of the returned <code>groups[].design_hash</code>

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"format": "pdf", "media": "a4", "layout": "mini", "numbered": true}' "$TB/print-batches/88/exports"
```

```
{"ok": true, "export_id": "c0de...", "batch_id": 88, "status": "queued", "unique": 200, "copies": 1, "pages": 5, "quota_cost": 0, "wl_cost": 0, "status_url": "https://tidybox.eu/php/export-status.php?export=...", "media": "a4", "layout": "mini", "numbered": true}
```

POST /api/v1/batches

Create up to 100 codes synchronously and get a PNG ZIP link. For printable sheets use /print-batches.

Name	Type	Required	Description
count	integer (body)	yes	1 to 100
prefix	string (body)	no	Code name prefix
batch_name	string (body)	no	Dashboard name
style_json	string (body)	no	QR style as a JSON string, for example { "fgColor": "#062028", "bgColor": "#ffffff" }
accent_color	string (body)	no	#rrggbb accent for the scan pages
numbered	boolean (body)	no	Omit for the historical plain PNG; <code>true</code> prints numbers
brand_id, branding, white_label, wl_spec	as above (body)	no	Brand options

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"count": 25, "prefix": "DOC"}' "$TB/batches"
```

```
{"ok": true, "uids": ["k3Fz9qLm", "..."], "batch_id": 89, "white_label": false, "zip_url": "https://tidybox.eu/php/download-batch.php?...", "brand_id": null, "branding_applied": false}
```

POST /api/v1/codes

Create a single code immediately.

Name	Type	Required	Description
name	string (body)	no	Stored as <name>-001
style_json	string (body)	no	QR style as a JSON string

```
{"ok": true, "code": "k3Fz9qLm", "url": "https://tidybox.eu/k3Fz9qLm", "png_url": "https://tidybox.eu/php/label-export-http.php?..."}

```

GET /api/v1/collections

Collections owned by the account, newest first.

Name	Type	Required	Description
limit	integer (query)	no	1 to 100, default 20
offset	integer (query)	no	Default 0

```
{"ok": true, "collections": [{"collection_id": 512, "serial": "TB-161026-007", "name": "Unit A12", "total": 18, "generated": 18, "created_at": "2026-10-16 09:00:00", "white_label": false, "brand_id": 4, "branding_applied": true}]}
```

POST /api/v1/collections

Create a ZIP collection of PNG codes (no paper layout).

Name	Type	Required	Description
count	integer (body)	yes	2 to 1024
name	string (body)	yes	Collection name
colored	boolean (body)	no	Default <code>true</code> ; <code>false</code> renders black on white
numbered	boolean (body)	no	Only <code>true</code> is accepted
brand_id, branding, white_label, wl_spec	as above (body)	no	Brand options; <code>branding</code> defaults to <code>false</code>

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"count": 50, "name": "Archive boxes", "colored": false}' "$TB/collections"
```

```
{"ok": true, "collection_id": 514, "serial": "TB-161026-009", "total": 50, "white_label": false, "brand_id": null, "branding_applied": false}
```

POST /api/v1/collections/bulk

Up to 200 ZIP collections with the same code count.

Name	Type	Required	Description
quantity	integer (body)	yes	1 to 200
count	integer (body)	yes	2 to 1024 codes per collection
name_prefix	string (body)	yes	Names become <code><prefix>001, ...</code>

colored, brand_id, branding, white_label, wl_spec	as above (body)	no	Options
---	-----------------	----	---------

```
{"ok": true, "collections": [{"collection_id": 515, "serial": "TB-161026-010", "name": "Warehouse 001"}], "white_label": false}
```

GET /api/v1/collections/{id}

Status of any collection (ZIP or print). Same payload as GET /api/v1/print-collections/{id}; for ZIP collections zip_url appears once done is true.

GET /api/v1/collections/{id}/exports

Inspect a collection before exporting: code counts, generation_done, legacy_incomplete, design_groups (saved sticker designs present) and the last ready PDF export. Nothing is restarted.

```
{"ok": true, "collection_id": 512, "name": "Unit A12", "unique": 18, "total": 18, "generated": 18, "generation_done": true, "legacy_incomplete": false, "generation_busy": false, "creation_spec": {"media": "a4", "layout": "sc", "copies": 2}, "design_groups": [{"design_hash": "none", "white_label": false, "brand_id": 4, "count": 18}], "last_spec": {"media": "a4", "layout": "sc", "copies": 2}, "last_export": {"export_id": "3f1c...", "status": "ready", "download_url": "https://..."}]}
```

POST /api/v1/collections/{id}/exports

Re-export an existing collection. Free: no codes or white-label codes are spent. Every box is re-printed with the sticker design saved when it was issued.

Name	Type	Required	Description
format	string (body)	yes	pdf or png-zip
media	string (body)	pdf	a4 or roll
layout, roll_preset, custom_width_mm, custom_height_mm, copies	as above (body)	no	Print options (omit all for png-zip)
design_hash	string (body)	no	Only after mixed_brand_export
confirm_existing, expected_unique	boolean, integer (body)	legacy	Only for a legacy_incomplete collection, after the user confirmed the current code count

```
curl -X POST -H "Authorization: Bearer $TB_TOKEN" -H "Content-Type: application/json" \
  -d '{"format": "pdf", "media": "roll", "roll_preset": "dymo-54-101"}' "$TB/collections/512/exports"
```

```
{"ok": true, "export_id": "77aa...", "collection_id": 512, "status": "queued", "unique": 18, "copies": 1, "pages": 18, "quota_cost": 0, "wl_cost": 0, "status_url": "https://...", "media": "roll", "roll_preset": "dymo-54-101", "width_mm": 54, "height_mm": 101, "composition": "portrait"}
```

GET /api/v1/exports/{export_id}

Poll an export. `export_id` is the 32-character id from an export response.

```
curl -H "Authorization: Bearer $TB_TOKEN" "$TB/exports/77aa0000000000000000000000000000"
```

```
{"ok": true, "export_id": "77aa...", "collection_id": 512, "status": "ready",
"unique": 18, "copies": 1, "pages": 18, "quota_cost": 0, "wl_cost": 0,
"download_url": "https://tidybox.eu/php/label-export-http.php?...", "expires_at":
1761814800}
```

Polling and downloads

Status	Meaning
generating	Codes are still being created (<code>generated < total</code>). Poll every few seconds.
queued, rendering	The PDF or ZIP is in the render queue. Typical wait is seconds to a minute for large runs.
ready	<code>download_url</code> / <code>pdf_url</code> / <code>zip_url</code> is available.
failed	<code>error</code> names the reason; re-request the export with corrected options.
<code>export_failed</code> with <code>created: true</code>	The codes exist. Re-export instead of creating again.

Download links are signed with an expiry and open without a token. A link that returns `expired` or `source_changed` needs a fresh status call or a fresh export.

Errors

HTTP	error	Meaning and what to do
400	<code>bad_request</code>	A parameter failed validation; <code>message</code> says which.
400	<code>bad_json</code>	The body is not a JSON object.
400	<code>quota</code>	Not enough code quota: <code>available</code> , <code>limit</code> , <code>unique</code> are included. Top up or reduce the run.
400	<code>batch_cap</code>	More codes than the plan allows per batch.
400	<code>unknown_layout</code> , <code>bad_copies</code> , <code>bad_sheets</code> , <code>bad_count</code> , <code>bad_media</code> , <code>bad_roll_preset</code> , <code>bad_dimensions</code>	A print option is out of range. See Concepts .
400	<code>conflicting_options</code>	Options that do not belong together, for example <code>layout</code> with <code>media=roll</code> or <code>sheets</code> on a batch.
400	<code>label_too_small</code>	The label cannot fit the QR and margins at print resolution.
400	<code>bad_format</code> , <code>bad_numbered</code> , <code>bad_branding</code> , <code>bad_design_hash</code>	Wrong type or value for that field.

400	white_label_unavailable	reason is one of not_business, not_configured, logo_not_raster, header_too_long, insufficient_wl_balance. Configure or top up in the profile, or retry with white_label=false.
400	bad_brand_id, brand_not_ready, brand_required	Brand selection problem; see message.
401	auth	Missing, revoked or non-Business token.
403	need_business	The action needs an active Business subscription.
404	not_found, brand_not_found, artifact_missing	Unknown id, foreign resource or a download that expired and was removed.
405	method	Wrong HTTP method; the Allow header lists valid ones.
409	numbers_required	Collections (and batches containing collection codes) must be exported with numbered=true.
409	mixed_brand_export	The set contains several saved designs; groups[] lists them. Export one design_hash per PDF.
409	collection_pending, export_busy, source_changed	The source is still changing or another export is running; retry shortly.
409	brand_archived, brand_version_conflict	The brand changed or is archived; pick another brand.
410	expired	The export has expired; request a new one.
413	resource_limit	The run exceeds the renderer limit (1024 labels).
429	rate_limit	Slow down to 10 POST / 60 GET per minute.
503	schema_missing, renderer_unavailable, storage_unavailable	Server-side feature temporarily unavailable; retry later and contact support if it persists.
500	internal, export_failed, batch_create_failed	Unexpected failure; nothing was charged unless created: true is present.

Changelog

- **1.1 (2026-10-16)** REST parity with MCP: print batches, synchronous batches and codes, ZIP collections, exports and export status. Thermal roll presets, numbering rules and colour rules documented.
- **1.0 (2026-08-18)** Print REST (/print-layouts, /print-quote, /print-collections, /print-collections/bulk, /print-collections/{id}) and the MCP print family.