

User Guide

TForce Universal Shipping for Magento 2.x — Extmag_TForceShipping

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logo

1 About the module

TForce Universal Shipping integrates TForce Freight into Magento 2.x as a first-class carrier — rates at checkout, label creation (manual / mass / automatic), pickup scheduling, tracking polling, hazardous goods, freight class and NMFC coding, and Hyva theme support.

The module ships as `Extmag_TForceShipping` on top of the `Extmag_Shiplab` framework. Shipper Accounts, Addresses, Package Boxes and Printer integration live in Shiplab and are shared with the other carriers (UPS, DHL Express, FedEx) you may already have configured.

1.1 What ships in this release

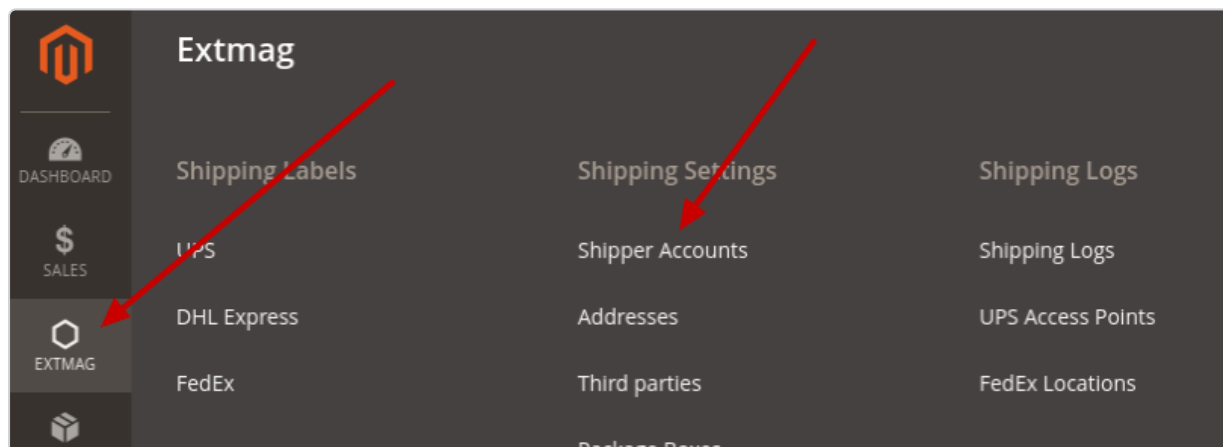
- TForce Freight LTL (US / US, US / CA).
- TForce Freight Accelerated Guaranteed (added in the recent release).
- Negotiated / discount rates.
- Freight Shipping (150 lbs and more) with NMFC coding.
- Dangerous Goods / Hazardous Materials.
- Saturday Pickup and Saturday Delivery service options.
- Automatic, Mass, and Manual label creation.
- PDF and thermal labels. Per-document-type printer routing.
- el-Print and QZ Tray print clients (local, network, proxy).
- Per-shipment tracking polling with auto-stop on terminal status.
- Pickup creation per-label or end-of-day on schedule.
- Hyva Theme and Hyva Checkout integration (via `extmag/shiplab-hyva`).
- Time in Transit, Harmonized codes, Packing Slips.

2 Admin navigation

Extmag → Settings menu:

Item	Purpose
Shipper Accounts	TForce account credentials (Client ID, Secret, Shipper Number).
Addresses	Billing / Ship-From addresses for one or more carriers.
Third Parties	Third-party billing accounts (cross-carrier).
Package Boxes	Box library used by the box-packing algorithm.
TForce Configuration	Full tabbed configuration for the TForce carrier.

Extmag → Shipping Labels → TForce Freight — per-carrier labels grid (visible when `shiplab_carriers/tforce/enabled = 1`).



Admin menu — Extmag entry with Shipping Labels, Shipping Settings, Shipping Logs

3 TForce Account

You need a TForce account to use the module. Create one at tforcefreight.com or via your local TForce office. After signup you should have a **Client ID**, **Client Secret** and a **Shipper Number**.

Steps:

1. Admin → Extmag → Settings → Shipper Accounts .
2. Click **Add New Shipper Account**.
3. Fill in the credentials — **Carrier = TForce Freight** , plus Title, Live Account flag, Client ID, Client Secret, Shipper Number, Time Zone — and click **Save**.

Shipper Accounts 🔍 55 👤 admin ▾

[Add New Shipper Account](#)

Shipper Accounts grid

Carrier * TForce Freight ▾

Title * TForce account

Live Account * Yes ▾

Client ID *****

Client Secret *****

Shipper Number

Time Zone Please select ▾

Shipper Account form — TForce Freight credentials

Payments for delivery are settled with the TForce carrier only. The module does not charge for shipping, labels or rate calls. You pay only the fees that apply to TForce when you ship packages.

4 Addresses

The Billing Address is the master shipper address tied to the Shipper Number. The Ship From Address is your warehouse / store origin — they can be the same or different.

1. Admin → Extmag → Settings → Addresses .
2. Click **Add New Address**.
3. Fill in the address fields and click **Save**.

Title *

Company Name *

Attention Name *

Phone *

VAT/Tax Number

If this field is left blank, the tax number will be used, which is the default for the Magento store.

EORI Number

Country *

State/Province

Postal Code

City *

Urbanization

Address Line 1 *

Address Line 2

Address Line 3

Floor

Room	<input type="text"/>
Room	<input type="text"/>
Pickup Point	<input type="text"/>
Destination Type *	Auto <input type="button" value="v"/>

Address form

Tip: leave **VAT/Tax Number** blank to fall back to the default Magento store tax number. **EORI Number** is required for EU origin / destination shipments.

5 TForce Configuration

Admin → Extmag → Settings → TForce Configuration .

The form is split into tabs (left rail). The **General** tab is the first one you fill in. Move tab-to-tab; every tab respects website / store scope, and most fields scope by destination country.

<ul style="list-style-type: none"> UPS MYDHL EXPRESS DHL EXPRESS TFORCE FREIGHT 	<p>General</p> <p>Account <small>[country]</small> My Tforce Account <input type="button" value="v"/> ? Add Shipper Account</p> <p>Billing Address <small>[country]</small> for USA <input type="button" value="v"/> ? Add Address</p> <p>Ship From Address <small>[country]</small> for USA <input type="button" value="v"/> ? Add Address</p> <p>Destination Type <small>[country]</small> Commercial <input type="button" value="v"/></p> <p>Priority Shipping Method <small>[country]</small> TForce Freight LTL (US/US, US/ CA) <input type="button" value="v"/></p> <p>Shipping Instructions <small>[country]</small></p> <p><small>Can use macro paste: #order_id#, #customer_name#. Max length 300 characters</small></p>
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TForce Configuration — General tab

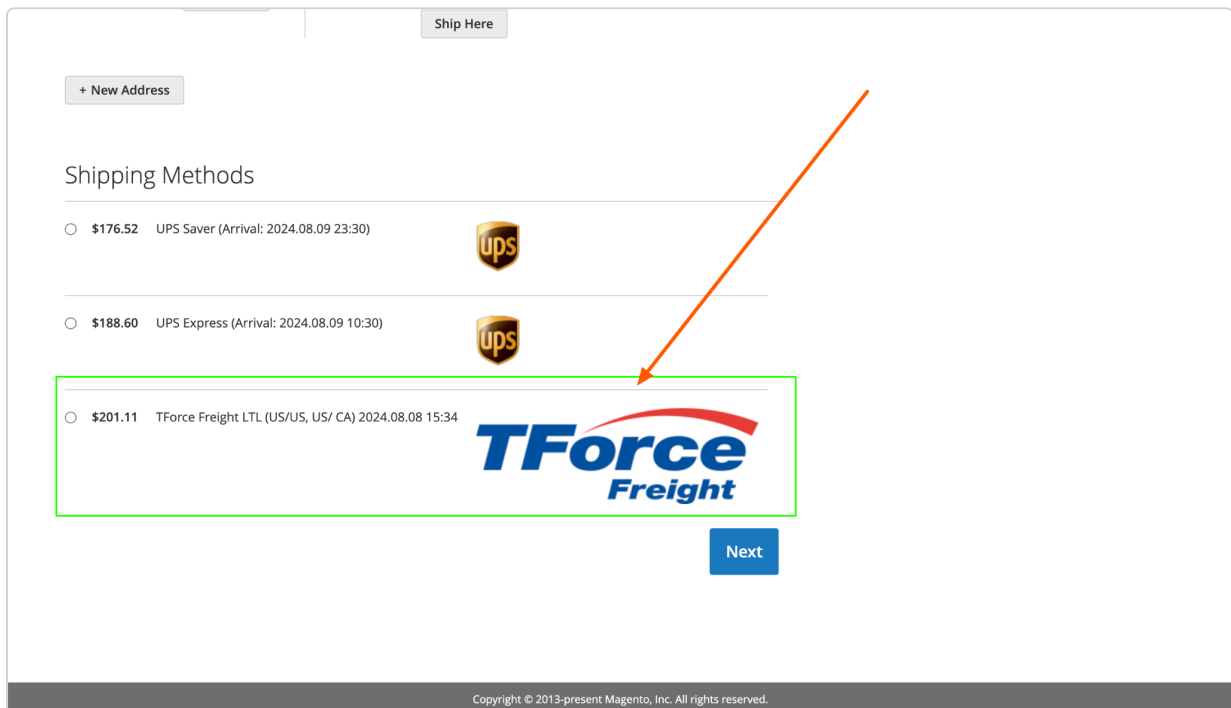
5.1 General tab — quick checklist

- **Account** — pick the Shipper Account saved earlier. Use the *Add Shipper Account* link as a shortcut.
- **Billing Address** — the master shipper address tied to the Shipper Number.
- **Ship From Address** — your warehouse / store origin.
- **Destination Type** — `Commercial` flag (business / non-residential address) or `Residential`. Affects rate calculation.
- **Priority Shipping Method** — the TForce method displayed at the top of the storefront list when several rates come back.
- **Shipping Instructions** — free text, supports `#order_id#` and `#customer_name#` macros.

See the *Reference Manual* for the full per-tab field list, defaults and source models.

6 Checkout

After Apply, your customers see the TForce shipping method (along with any other configured carriers) at the cart and checkout shipping step, and can pick it like any standard Magento shipping method:



Checkout — TForce Freight method highlighted

7 Customer Account

Once an order is shipped, the customer receives the tracking number on the order confirmation (when *Other Options* → *Send Tracking Number = Yes*) and can follow shipment status from the customer account *My Orders* page. Tracking links open either as a Magento popup or on the TForce website, controlled by *Tracking* → *General* → *Display*.

8 Print labels

Several ways to print labels are supported. We suggest going through one of the print clients:

Client	Notes
el-Print (Recommended)	Local PC mode (browser → daemon) or Network mode (server → workstation). Auto-print supported in Network mode.
QZ Tray	Standard QZ Tray daemon on the operator workstation.

Integration with both clients happens at `Store` → `Configuration` → `Extmag` → `Printers`.

8.1 el-Print

Field	Notes
Application	<code>el-Print</code>
Type	<code>Local PC</code> (browser → daemon via WebSocket) or <code>Network</code> (server → workstation, supports auto-print).
Port	Default <code>9109</code> .
Auto Print	Yes / No. Network mode only — Local PC mode is interactive.

The screenshot shows the 'Configuration' page with the 'Printer' section selected. The 'Application' dropdown is set to 'el-Print', 'Type' is 'Local PC', 'Port' is '9109', and 'Auto Print' is 'No'. A green box highlights these settings. Red arrows point from the 'Printer' label to the configuration fields and from the 'EXTMAG' menu item to the 'Printer' label.

el-Print configuration

8.2 QZ Tray

Field	Notes
Application	QZ Tray
Printer Name	Exact name of the printer as registered with the OS on the workstation.

The screenshot shows the 'Configuration' page with the 'Printer' section selected. The 'Application' dropdown is set to 'QZ Tray' and 'Printer Name' is 'test'. A green box highlights these settings. Red arrows point from the 'Printer' label to the configuration fields and from the 'EXTMAG' menu item to the 'Printer' label.

QZ Tray configuration

Per-document-type routing (Shipping Label, Packing Slip, Invoice, ...) is configured under the same *Printers* section. Each document type has its own printer field, so you can route thermal

labels to a Zebra and packing slips to a laser printer in one click.

9 Hyva Theme and Hyva Checkout integration

For integration with Hyva Theme and Hyva Checkout install the companion module:

```
composer require extmag/shiplab-hyva
composer require magewirephp/magewire
```

The package replaces the default Hyva theme files. If you customise these files in your own theme, merge your changes with the package versions:

```
vendor/extmag/shiplab-hyva-magento2/view/frontend/templates/
  checkout/shipping/method-list.phtml
```

See the *Installation Guide* for the full Composer flow and `setup:upgrade` step.

10 Working with shipping labels

Admin → Extmag → Shipping Labels → TForce Freight opens the labels grid. Three creation paths exist:

Mode	Trigger	Configuration tab
Automatic	Magento cron, filtered by order status + shipping method.	<i>Automatic</i> — set <i>Active = Yes</i> and the <i>order-status / shipping-method</i> filters.
Mass	Orders grid mass action.	<i>Mass Actions</i> — same filters as Automatic, plus <i>invoice / shipment</i> toggles.
Manual	Per-order action from the order edit page.	<i>Manual Actions</i> — <i>invoice / shipment</i> toggles only.

All three paths share the same Ship request envelope and the same service-code list. The differences are scope and side-effects (invoice, shipment, order status transition).

10.1 Service options

Other Options → Pickup Service Options and Other Options → Delivery Service Options are multiselects that translate to TForce service option codes — Saturday Pickup, Saturday Delivery, Liftgate, Inside Delivery, Notification, etc. Add or remove as needed; each option may incur a TForce-side surcharge.

10.2 Dangerous goods

Other Options → Dangerous Goods = Yes flips the shipment to hazardous in the Ship request. TForce requires the right NMFC class and handling instructions for hazardous freight — set those on the *Packaging* tab before enabling the flag.

11 Tracking

Tracking → General → Display controls where tracking opens:

- `magento` — popup inside the Magento admin / customer account.
- `tforce` — redirect to the TForce website.

Tracking → Schedule → Active = Yes enables cron-driven tracking polling. Each shipment polls until it reaches a terminal status (delivered, exception). Failed polls back off automatically.

12 Pickups

Pickups can be created per-label (driven by the *Pickup* tab on the config) or end-of-day on schedule. The *Schedule* group on the **Pickups** tab takes over when `active = by_schedule` — pick the time of day and the allowed days of week.

Pickup → Special Instructions is the free-text field shown to the TForce driver.

13 Troubleshooting

13.1 No rates at checkout

- `shiplab_carriers/tforce/enabled` must be Yes for the website.
- *General* → *Account* must point to a saved Shipper Account.
- *General* → *Ship From Address* must be set.

- `var/log/shiplab.log` shows the raw request / response — a 401 / 403 means bad Client ID / Secret / Shipper Number.

13.2 Automatic labels not firing

- *Automatic* → *Active* = *Yes*.
- *Allowed Order Statuses* and *Allowed Shipping Methods* must match real orders (defaults are `all`).
- Magento cron must be running. `bin/magento cron:status` to verify.
- Check `var/log/shiplab.log` for *automatic* lines.

13.3 Tracking number missing from order email

- *Other Options* → *Send Tracking Number* = *Yes*.
- The email template must include the tracking variable. Custom email templates may need a re-merge with the Magento 2.4.x defaults.

13.4 Print client cannot reach printer

- el-Print **Local PC** mode requires the daemon to be running on the same workstation as the browser session.
- el-Print **Network** mode requires the daemon to be reachable from the Magento server (firewall / port).
- QZ Tray requires the QZ Tray daemon to be running on the workstation, and *Printer Name* to match the OS-level printer name exactly.

13.5 Hyva storefront still shows the default rate UI

- Confirm `extmag/shiplab-hyva` is installed and enabled.
- Confirm `setup:upgrade` and `setup:di:compile` ran after the install.
- If your theme already overrides `method-list.phtml`, merge the Shiplab-hyva version into yours.

13.6 TForce rotates the OAuth token endpoint

If TForce notifies a tenant rotation, override `shiplab_carriers/tforce/token_endpoint` and `shiplab_carriers/tforce/scopes` under *Stores* → *Configuration* → *Shipping Methods* → *TForce Freight*. Restore defaults from `Extmag/TForceShipping/etc/config.xml` to roll back.