



DELIVERY DATES WIZARD PRO

For Prestashop by Musaffar Patel

INTRODUCTION

Delivery Dates Wizard Pro is a module for Prestashop which allows your customers to choose a delivery date and time for their orders and limit deliveries to customers by distance. The module displays a calendar during checkout and available time slots. This is a great module if you need to allow your customers to provide you with a date and time on which their order should be delivered or picked up from a store. An essential module for merchants selling flowers, gifts, D.I.Y products or any other product which benefits from having a deliverable date and time.

The module also allows merchants to set up varying time slots for different days of the week and impose a limit on the number of orders which can be placed within a time slot.

The module also provides you (the merchant) with some important powerful features, all which will be discussed throughout this document.

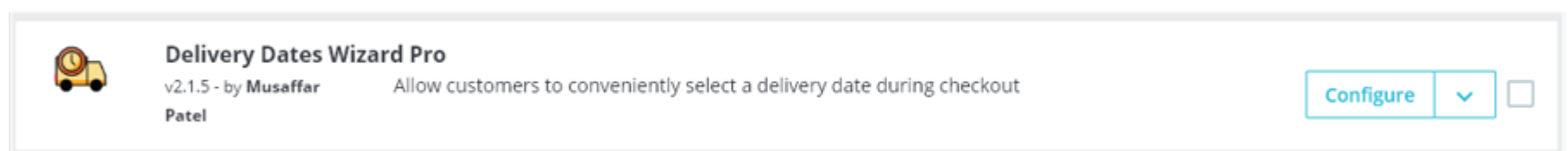
INSTALLATION

The installation procedure is very much similar to most other Prestashop modules. No core changes are required therefore installation is straight forward. Be sure to follow the instructions below for a successful installation:

1. Upload the module folder to your store's module folder: {root}/modules/
2. After uploading the module, in the Prestashop Back Office, head over to the Modules section.
3. Search for the module and choose the install option
4. After a successful installation the module is ready to be used. Initially the module's main configuration page will be displayed.

We'll take a look on how to use the module below.

CONFIGURING THE MODULE



The module configuration allows you to set up your calendars, blocked dates and time slots as well as manage some additional features. Each carrier may have it's own configuration.

SETTING UP A CALENDAR

The module allows you to setup a different calendar and set of time slots for each carrier in your store, further more each calendar may have it's own unique set of blocked dates, weekdays and cut off times. Each weekday can have it's own set of time slots and some additional configuration.

Choose a carrier for which you wish to enable the calendar for, click the edit link which appears next to the carrier name in the Carriers Table.

A new screen is displayed, divided in to sections; General, Weekdays, Specific Dates, Holidays, Product Rules, Distance Limit as shown on the next page.



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The screenshot shows the 'GENERAL' tab of the Delivery Dates Wizard Pro settings. The interface includes a top navigation bar with tabs: GENERAL, WEEKDAYS, SPECIFIC DATES, HOLIDAYS, PRODUCT RULES, and DISTANCE LIMIT. The main content area contains the following settings:

- Calendar Enabled?** YES (selected) NO. Subtext: Select if module is enabled for this carrier.
- Required?** YES (selected) NO. Subtext: Select if the customer must select a date before they can place the order.
- Layout:** Calendar (selected). Subtext: Select the layout to be displayed for the date and time picker during checkout.
- Order Preparation Days:** 0 days. Subtext: Number of days it will take before the order can be delivered from the current day. 0 days is same day delivery, 1 is next day etc.
- Maximum Days:** 0 days. Subtext: All dates in the calendar after this number of days (from the current day) will be disabled.
- Order Preparation Time:** 0 minutes. Subtext: For same day delivery, time it takes you to prepare an order for delivery. Time slots within this period will be unavailable to the customer.
- Cut off time enabled?** YES NO (selected).
- Cut off time:** 22:00. Subtext: Cut off time or deadline after which the order preparation day rolls over to the next available day.
- Display expected delivery date on product page?** YES NO (selected). Subtext: Display expected delivery date on product page?

A 'Save' button is located at the bottom right of the settings panel.

The General Settings Tab

GENERAL SETTINGS

ENABLED

Enable or disable the module for the chosen carrier

REQUIRED

If enabled, will display a prompt if the customer does not select a delivery date and time during checkout.

LAYOUT

Choose the layout for the date picker displayed during checkout to the customer. You can choose from the following layouts:

Calendar

The calendar layout will allow the customer to pick from a traditional calendar and if time slots have been set up these will be displayed along side the calendar

Schedule time table

The schedule table will display the available dates and times in a time table format, this format should only be used if all your delivery days contain time slots.

Day to day view

This will displaying a responsive panel with all the available days in a compact view. Selecting a day will display the time slots associated with the day selected (if time slots are available)

ORDER PREPARATION DAYS

Select the number of days from today to disable for selection in the calendar. Can be used with the cut off time (see below)

MAX DAYS

Select The number of days from today which should be selectable in the calendar. All dates after this number will be disabled.

ORDER PREPARATION TIME

Some orders may require some time to prepare. For example, time to bake a cake or package an order. This field allows you to enter a time



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period in minutes from the current time, only time slots after this time window will be selectable by the customer during checkout. This ensures you always have ample time to prepare the order and deliver within the time slot selected by the customer.

CUT OFF TIME ENABLED

If you've set up order preparation days (above) and you would like to introduce a cut off time during the day after which the order preparation day rolls over another day, then define a cut off time here.

DISPLAY EXPECTED DELIVERY DATE ON PRODUCT PAGE

If you have set up product rules (discussed later) this option allows the estimated delivery time to be displayed on the product page. The ETA is determined using the product exception rules which we shall look into more later.

We have now completed the configuration under the general tab, lets take a look at the week days tab next.

WEEKDAYS TAB

Each weekday can be individually customised. You can edit the weekdays under the **weekdays tab**, under which, each weekday is displayed. Select a week day to begin configuring it.

GENERAL WEEKDAYS SPECIFIC DATES HOLIDAYS PRODUCT RULES

Enable and disable individual weekdays below. Additionally, override general options for each weekday and create different time slots for different days of the week.

Get started by selecting a week day below

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

GENERAL SETTINGS

Weekday Enabled? **YES** NO
Select if the weekday is available for delivery

Override main Preparation days settings? **YES** NO
This option will allow you override some of the general settings

Order Preparation Days 0 days
Number of days it will take before the order can be delivered from the current day. 0 days is same day delivery, 1 is next day etc

Maximum Days 0 days
All dates in the calendar after this number of days (from the current day) will be disabled

Order Preparation Time 0 minutes
The time it takes to prepare an order for delivery in minutes. Time slots within this period will be unavailable to the customer.

Cut off time enabled? **YES** NO
Cut off time 00:00
Cut off time or deadline after which the order preparation day rolls over to the next available day

Order Preparation Days after cut off time 0 days
Number of days before the delivery can be made after the cut off time has passed

Order Limit for the day 0 orders
This weekday will become unavailable after this many orders have been placed

Timeslots **Edit Timeslots for this weekday**
Manage time slots for the customer to select for this week day

Save

Many of the week day settings are the same as the settings found under the **general tab**, however you can override them for specific weekdays here - therefore the weekday settings will be used instead of the general options.

Let's take a look at the options **not available** under the **general tab**:

WEEKDAY ENABLED?

If enabled, the customer will be able to select that weekday in the calendar during checkout.

OVERRIDE MAIN PREPARATION DAYS SETTINGS?

Allows you to override the order preparation days settings in the general settings.



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ORDER LIMIT FOR THE DAY

Limits the number of orders that can be scheduled for delivery on this weekday. Once the order limit has been exceeded the weekday will become disabled during checkout.

TIME SLOTS

Each day of the week may have a different set of time slots. A time slot is a delivery time window during the day during which the package will be delivered to the customer. You can create multiple time slots to allow the customer to choose which time slot they would like their parcel to be delivered in.

Click on the **time slots button** to create and manage existing time slots. To add new time slots click the **add new time slot** button. A new time slot row will be added to the time slots list as shown below:

Start Time	End Time	Order Limit	Enabled	Position	Delete
00:00 	00:00	0			

Click on each field to edit the value. Add additional time slots if required. The fields are explained below:

Start time

The beginning of the time slot period.

End time

The end of the time slot period.

Order Limits

You can limit the number of orders you store can accept within certain time slots by entering any value higher than 0 in the Order Limit Field. Should the number of orders placed for this time slot exceed the value you define here, the time slot will be disabled automatically and the customer will not be able to select this time slot.

Enabled

Indicate whether or not the time is available for selection.

Position

Drag the move icon up and down to re-order the time slots.

After you have finished adding or editing existing time slots press the **done** button which will take you back to configuring the weekday. Click **save** here to save the weekday configuration and the time slots.

SPECIFIC DATES

The **specific dates** tab allows you to apply the same configuration available for each individual weekday to specific dates throughout the year instead. The configuration options are the same as they are for the week day configuration.

HOLIDAYS

The **holidays section** allows you to block single dates or date ranges in the calendar, throughout the year. You can also set up a blocked date to be recurring which would repeat this blocked date or blocked date range for each year without the need for you to set it up each year.

This feature is particularly useful for holiday periods such as Easter, Christmas and various Bank Holidays.

PRODUCT RULES

The Product Rules allows you to override the order preparation days (days to available delivery, counting from the current day) and cut off time



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based on the products which exist in the customer cart. These are determined by product category or supplier.

If you have set up multiple different product rules, and a customer has a mix of these present in their cart, the module will take the latest available day of delivery as the winning rule.



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GENERAL WEEKDAYS SPECIFIC DATES HOLIDAYS PRODUCT RULES

Influence available delivery days based on specific products in the customer cart or products from specific suppliers or in categories. These settings will override the schedule settings under the general tab, weekdays and specific dates tab

Get started by adding a new product based rule below

ADD NEW PRODUCT RULE

Rule Scope

Category

Select if the rule concerns product suppliers or categories

Name

Search for the product supplier or category

Order Preparation Days

days

Number of days it will take before the order can be delivered from the current day. 0 days is same day delivery, 1 is next day etc

Maximum Days

days

All dates in the calendar after this number of days (from the current day) will be disabled

Cut off time enabled?

YES

NO

Cut off time

Cut off time or deadline after which the order preparation day rolls over to the next available day

Save

The Product Rules settings are also used to determine the "ETA Time" displayed on the product page as discussed earlier.

Adding a new product Rule

The **add new product rule** button will display a form to allow you to create a new rule. The options listed below will be displayed.

SCOPE

Select either Supplier or Category. The override will apply to all products which match the supplier or category of our interest.

SEARCH

Search the name of the supplier or category you wish to create the product rule override for and select it from the list of results which appears as you type in the name,

ORDER PREPARATION DAYS

Override the min / max days here for this product rule.

MAX DAYS

Override the min / max days here for this product rule.

CUT OFF TIME

Override the cut off time for this product rule by switching it on and entering a cut off time.

After you have finished defining a product rule, click save to save the rule and return to the Product Rules Tab, where your existing product rules will be displayed.



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DELIVERY RADIUS

If your store can only make deliveries within a limited radius then you can set this up under the **delivery radius** tab. The module will take the location of each of your carriers and determine the distance between the carrier and the customer when determining if a carrier is available or not. The module will use the post code of your carrier and customer to determine the location.

Let's take a look at the options:

Limit carrier availability by distance? ☒ YES ☐ NO
Limit carrier availability by distance

Maps API
Select an Maps API Service to use

Google Maps API Key
Enter your google Maps API Key here
You will need a Google Maps API Key (Distance Matrix API) For more information and to obtain the key : [click here](#)

Delivery radius km
Radius in km of the delivery distance from this carrier depot

Carrier Postal code
This is the postal code from where your deliveries are dispatched for this carrier. This will be used to calculate radius to customer.

Carrier country

If your Maps API Service has been set up correctly then the address for your carrier (based on the post code and country above) should be displayed below when you press the test button

LIMIT CARRIER AVAILABILITY BY DISTANCE?

Enable the feature for the carrier you are configuring. If the customer is outside of the delivery distance then this carrier will be disabled during checkout.

MAPS API

Choose the Maps Service you wish to use. Open Maps API is an open source map and routing service which is free. The other option, Google Maps API required a valid Google Maps Distance Matrix API key. While the Google Maps API is not free, it is very cost effective and can be considered more reliable than Open Maps API. If you choose the Google Maps option you will need to enter your Google Maps Distance Matrix API Key which you can obtain from <https://developers.google.com/maps/documentation/javascript/get-api-key>

DELIVERY RADIUS

Enter the radius within which the carrier is able to deliver to in km.

CARRIER POSTAL CODE

Enter the postal code of the carrier or depot where the deliveries will be dispatched from.

CARRIER COUNTRY

Select the country of the carrier or depot where deliveries will be dispatched from.

DELIVERY DATES IN THE BACK OFFICE

The delivery date and time associated with an order is displayed in the following locations:

- The Order Details Page
- The Order List Page - You can also filter orders by the order delivery date
- The Order Invoice



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- The Delivery Slip
- The Order Confirmation Email (Requires additional setup, discussed later)
- The New Order Email Notification (Requires additional setup, discussed later)

DISPLAYING THE ORDER DELIVERY DATE AND TIME IN THE ORDER CONFIRMATION EMAIL

Before the order delivery date and time can be displayed in the order confirmation email, we need to add two short codes to your order confirmation emails. Your order confirmation can be located in:

```
/mails/en/order_conf.html
```

Where “en” should be substituted with the language(s) of your store. After locating the files add the following two variables to your file, feel free to add additional styling if required:

```
{ddw_order_date}
{ddw_order_time}
```

DISPLAYING THE ORDER DELIVERY DATE AND TIME IN SHIPPED (DISPATCHED) EMAIL

To display the delivery date and time in the shipped email, we need to add two short codes to your shipped email templates. The template is located in:

```
/mails/en/shipped.html
```

Where “en” should be substituted with the language(s) of your store. After locating the files add the following two variables to your file, feel free to add additional styling if required:

Add the following tags to your email

```
{ddw_order_date}
{ddw_order_time}
```

DELIVERY DATE AND TIME IN THE NEW ORDER NOTIFICATION EMAIL

The Delivery Dates Wizard module can also be integrated with the Prestashop Mail Alerts module, the process however is manual and requires modifying the mail alerts module. Follow the steps below to integrate with the Mail Alerts Module.

1. In the `/modules/ps_emailalerts/ps_emailalerts.php` file, add the following lines of code to the **\$template_vars** array in the **validateOrder** function. The array is declared around line 350 but this may vary from version to version and from site to site: Please note in Prestashop 1.6 the file is `/modules/mailalerts/mailalerts.php`

```
'{ddw_order_date}' => $order->ddw_order_date,
'{ddw_order_time}' => $order->ddw_order_time,
```

2. Add the following code just before the line of code which starts: **if (\$dir_mail) Mail::Send()**. Again this is in the same file and function and occurs around line 434.

```
if (Module::isEnabled('DeliveryDatesWizardPro')) {
    $cart_ddw = Hook::exec('ddwValidateOrder', array('id_cart'=>$params['cart']->id), null, true);
    $cart_ddw = $cart_ddw['deliverydateswizardpro'];
}
```




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```
$template_vars['{ddw_order_date}'] = ($cart_ddw['ddw_order_date'] != '' ? Tools::displayDate($cart_ddw['ddw_order_date']) : '');  
$template_vars['{ddw_order_time}'] = ($cart_ddw['ddw_order_time'] != '' ? $cart_ddw['ddw_order_time'] : '');  
}
```

3. Add the template tags : **{ddw_order_date}** and **{ddw_order_time}** to `/ps_emailalerts/mails/en/order_new.html` or `/mailalerts/mails/en/order_new.html` in Prestashop 1.6.

FRONT END

After configuring the module, the date and time slot picker will be displayed during the checkout process in your store front. The module is displayed just after the carrier selection list. Below are a few examples of the module display.

CALENDAR LAYOUT

If you have configured the module to display the calendar layout, the layout shown below will be displayed during checkout. The calendar and time slots are displayed separately and the customer can select a date and then a time slot for the selected day.

If you have not set up any time slots then only the calendar will be displayed.

Select delivery date and time below

January 2020

Mo	Tu	We	Th	Fr	Sa	Su
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

11:00 - 12:00

12:00 - 13:00

14:00 - 14:00

Your order will be delivered on

2020-01-09

11:00 - 12:00

SCHEDULE TABLE LAYOUT

Please note this layout should only be used if all your deliverable days contain time slots.

Select delivery date and time below

Wednesday 2020-01-08	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Thursday 2020-01-09	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Friday 2020-01-10	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Saturday 2020-01-11	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Sunday 2020-01-12	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Monday 2020-01-13	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Tuesday 2020-01-14	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00
Wednesday 2020-01-15	11:00 - 12:00	12:00 - 13:00	14:00 - 14:00

Your order will be delivered on

2020-01-09

11:00 - 12:00



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DAY TO DAY VIEW LAYOUT

Please note this layout should only be used if all your deliverable days contain time slots.

Select delivery date and time below

Monday 15 June	Tuesday 16 June	Wednesday 17 June	Thursday 18 June	Monday 22 June
12:00 - 16:00	16:00 - 18:00	18:00 - 18:30		
18:30 - 19:00	19:00 - 19:30	20:25 - 21:00		

Your order will be delivered on

06/17/2020

SUPPORT AND FEEDBACK

Should you run into any problems regarding the installation or usage of the module please feel free to contact me through the Prestashop addons site.

I would also welcome any feedback on the module, your feedback will help improve the module in the future.