

BUCKAROO

BPE 3.0 Plugin Wordpress
WooCommerce

Installation manual

Last Update: September 9th 2017

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1. Introduction

This is the installation manual for the BPE 3.0 Wordpress WooCommerce extension. The latest plugin is made for WooCommerce version 3.1.x.

1.1 Supported payment methods

- Bancontact / Mister Cash
- Creditcards (Mastercard, Visa, American Express, Carte Bancaire, Carte Bleue, Dankort, Visa Electron, VPay)
- SEPA Direct Debit
- eMaestro
- Giftcards
- Giropay
- iDEAL
- Payment Guarantee
- PayPal
- Paysafecard
- Sofortbanking
- Bank Transfer
- AfterPay

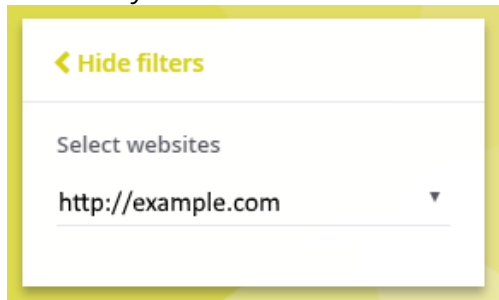
2. Settings and information in the Buckaroo Payment Plaza

2.1 Settings in the Buckaroo Payment Plaza

For the installation of the Buckaroo module you need to configure some settings in the Buckaroo Payment Plaza.

Follow these steps:

1. Login to the Buckaroo Payment Plaza (<https://plaza.buckaroo.nl>)
2. Go to *My Buckaroo > Websites* and select your website (e.g. example.com) from the dropdown.



3. Here you find the following options:

Details

General
Redirect
Push settings
3.0 Settings
2.0 Settings

Key
Website Key

Name
Website Name

URL
http://example.com

Save

4. The Redirect tab can be left empty.

Details

General
Redirect
Push settings
3.0 Settings
2.0 Settings

URI success

URI reject

URI cancel

URI failure

Save

5. For the Push settings tab you need to setup the following settings:

Details

General
Redirect
Push settings
3.0 Settings
2.0 Settings

Delayed and Push responses

☒ Enable Push Response
☐ Disable auto-redirect via browser (if Push Response is enabled)
☐ Enable Push for Refunds
☐ Enable Push for Administration costs
☐ Enable Push for E-mail Bounces ⓘ
☐ Enable Push for Invoices

Push URI Success

http://<base URL from your website>/?wc-api=WC_Push_Buckaroo

Push URI Failure

http://<base URL from your website>/?wc-api=WC_Push_Buckaroo

URI e-mail bounces

HTTP-Method

POST ▼

Push type

BPE3.0 (when available) ▼

Hash method

SHA1 ▼

3.0 BPE return fields

Lowercase letters ▼

ⓘ

Select push content type

httpost ▼

Soap push

☐ Send with 'soapaction' http-header
☐ Verify response signature and transaction key

Soap Action value

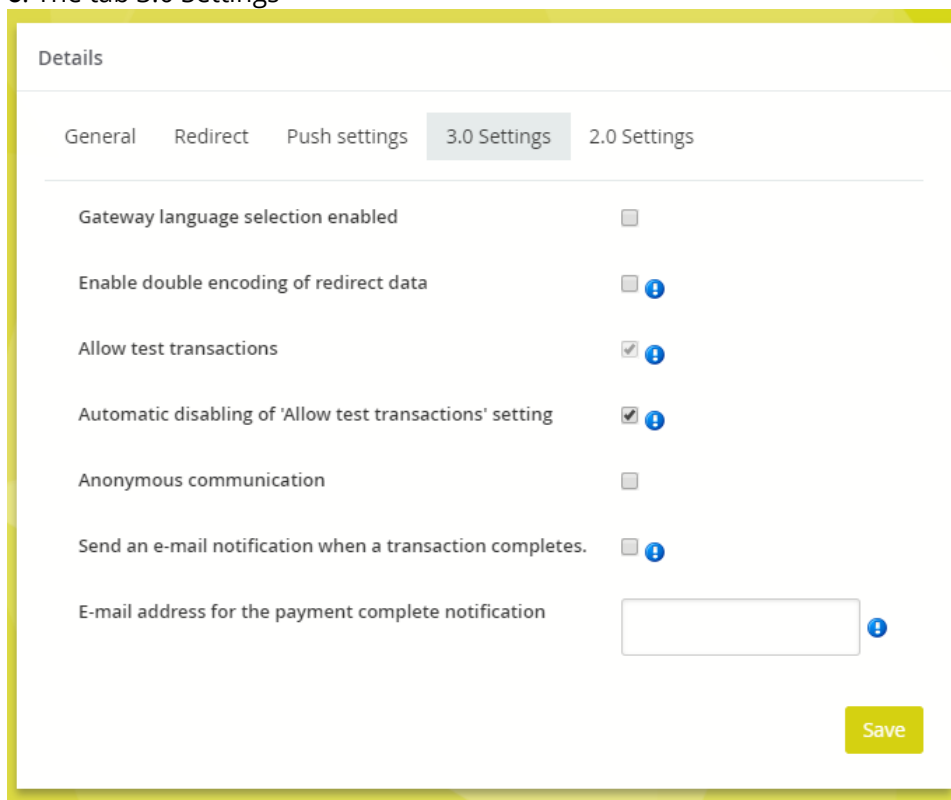
E-Mail push Failure

you@youremailaddress.com

Save

- a. Activate the checkbox "Enable Push Response".
- b. The fields "Push URI Success" and "Push URI Failure" should both be filled with the URL website. The correct URL is:
http(s)://<base URL from your website>/?wc-api=WC_Push_Buckaroo
Usually the base URL for the website has the form 'www.yourwebsite.nl'.
There are some exceptions. Often this is something like 'www.yourwebsite.nl/index.php' or 'www.yourwebsite.nl/NL' or a combination of both. To find out what base URL is used go to the first page in the web shop, click on some links in the shop and check the URL in your browser address field. The part of the URL that stays the same for every page is your base URL.
- c. HTTP-Method must be "POST".
- d. For "Push type" select "BPE3.0".
- e. For "Hash method" select "SHA1".
- f. For "3.0 BPE return fields" select "Lowercase letters".
- g. The option "E-Mail push Failure" is optional. If this field is filled with an email address an email will be send if the push message can't be send.

6. The tab 3.0 Settings



The screenshot shows the '3.0 Settings' tab selected in the Buckaroo plugin settings. The 'Details' section is active, and the '3.0 Settings' sub-tab is highlighted. The settings are as follows:

Setting	Status	Info
Gateway language selection enabled	<input type="checkbox"/>	
Enable double encoding of redirect data	<input type="checkbox"/>	?
Allow test transactions	<input checked="" type="checkbox"/>	?
Automatic disabling of 'Allow test transactions' setting	<input checked="" type="checkbox"/>	?
Anonymous communication	<input type="checkbox"/>	
Send an e-mail notification when a transaction completes.	<input type="checkbox"/>	?
E-mail address for the payment complete notification	<input type="text"/>	?

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

- a. With the option "Gateway language selection enabled" you can set if the customer sees a language selection option on the Buckaroo Payment pages.
- b. The option "Enable double encoding of redirect data" must be deactivated.
- c. The option "Allow test transactions". This option should be activated if you want to do test transactions. If this option is deactivated the test transactions are rejected by Buckaroo.

d. The option “Automatic disabling of ‘Allow test transactions’ setting”. If this option is activated the option above will be deactivated if there are no test transactions done in 2 weeks. Deactivating this option should only be done for test websites.

e. The option “Send an email notification when a transaction completes”. If activated Buckaroo will send an email on a successful transaction to the general email address.

7. The tab 2.0 Settings

This tab does not have any settings.

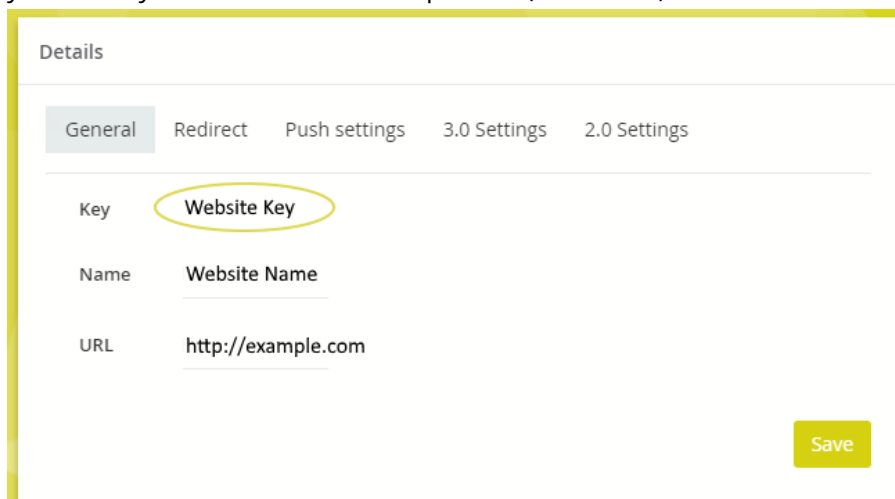
2.2 Information in the Buckaroo Payment Plaza

Finding keys and creating a certificate

For message verification purposes, you need some keys and a certificate. These are needed to setup the plugin, as covered section 3.

Website Key:

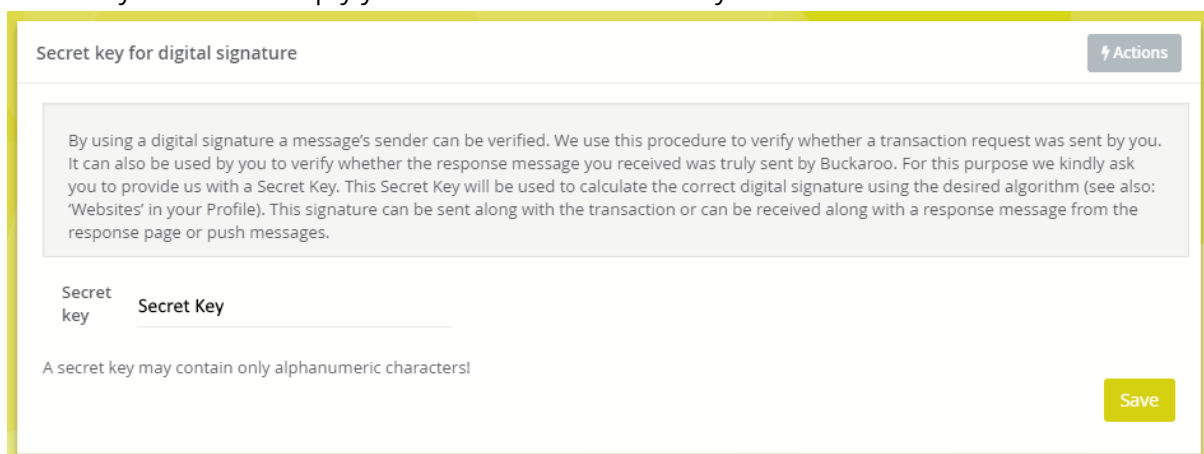
The Website Key can be found on the Payment Plaza under: *My Buckaroo* > *Websites* section, once you select your website in the drop down (see below).



The screenshot shows the 'Details' page of the Buckaroo Payment Plaza. It has a tabbed interface with 'General', 'Redirect', 'Push settings', '3.0 Settings', and '2.0 Settings'. The 'General' tab is active. Under the 'Key' section, 'Website Key' is selected and circled in yellow. Below it, the 'Name' is 'Website Name' and the 'URL' is 'http://example.com'. A yellow 'Save' button is at the bottom right.

Secret Key:

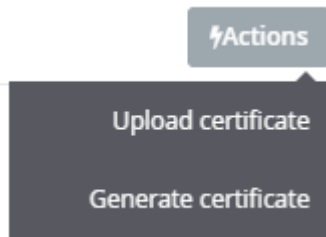
The Secret Key can be found in the Payment Plaza via *Configuration* > *Security* > *Secret Key*. If the secret key field is still empty you need to fill in a secret key.



The screenshot shows the 'Secret key for digital signature' page. It has an 'Actions' button in the top right. A text box explains the purpose of the secret key: 'By using a digital signature a message's sender can be verified. We use this procedure to verify whether a transaction request was sent by you. It can also be used by you to verify whether the response message you received was truly sent by Buckaroo. For this purpose we kindly ask you to provide us with a Secret Key. This Secret Key will be used to calculate the correct digital signature using the desired algorithm (see also: 'Websites' in your Profile). This signature can be sent along with the transaction or can be received along with a response message from the response page or push messages.' Below this, the 'Secret key' field is labeled 'Secret Key' and is empty. A note states: 'A secret key may contain only alphanumeric characters!'. A yellow 'Save' button is at the bottom right.

Making a certificate:

The certificate option can be found in the Payment Plaza via *Configuration > Security > Certificates*. Click on *Actions > Generate certificate*.



In the popup use the following settings;

Export key as: PEM

Purpose: General

Active: Ticked

A screenshot of a 'Generate certificate' popup window. The title bar is grey with a close button (X). The main content area is white and contains a paragraph of text explaining the process: 'Generates a new certificate signed by Buckaroo with a validity of 10 years. The private key for this certificate is offered as a download in three possible file formats. Make sure to store this private key in a secure location. Please note that Buckaroo does not store your private key, only the public key/certificate, therefore it is not possible to redownload previously generated private keys.' Below this text are three settings: 'Export key as:' with a dropdown menu showing 'Pem', 'Purpose:' with a dropdown menu showing 'General', and 'Active' with a checked checkbox. At the bottom right are two buttons: 'Close' and 'Generate certificate'.

Click the *Generate certificate* button, to save and download the file. Don't change the file name. The file is your private key that is used by the plugin for signing messages to Buckaroo. Store this file in a safe location, it is not possible to download the file again from the Payment Plaza. If you lose the file you need to make a new certificate. After the download, you can close the popup. The certificate is now visible in the list. In the last column, you see the Thumbprint. The Thumbprint is also needed in the module. Make sure that you use the Thumbprint for the certificate you just made (date-time). If a wrong Thumbprint is set in the module all transactions will be rejected.

3. Installation in WooCommerce

3.1 Requirements

- A SOAP client for PHP must be activated (<http://php.net/manual/en/soap.installation.php>)
- WordPress should be installed (<http://wordpress.org/download/>)
- Wocommerce should be installed (<http://wordpress.org/plugins/woocommerce/>)

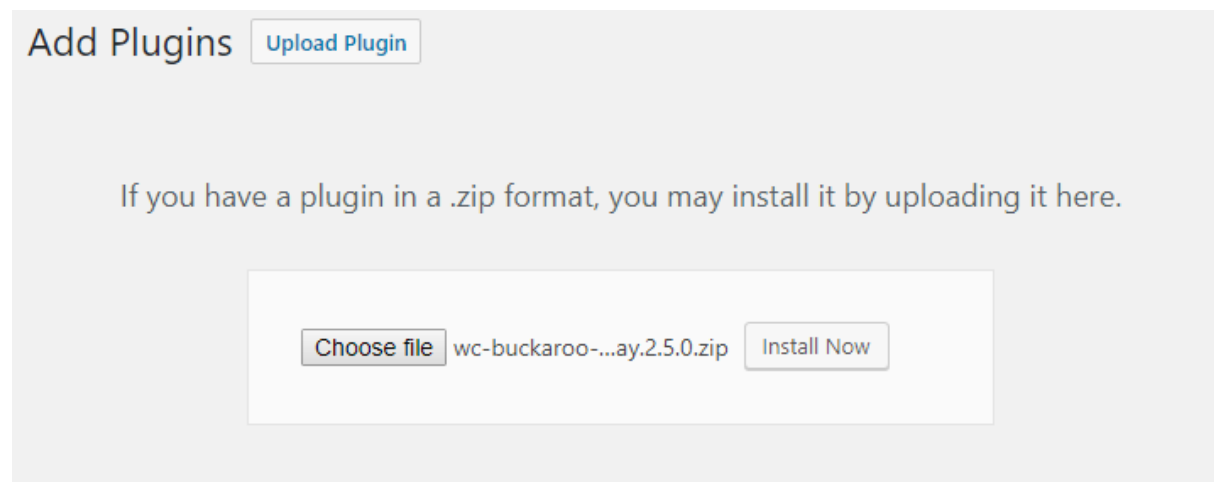
Download the latest plugin version here:

<https://wordpress.org/plugins/wc-buckaroo-bpe-gateway/>

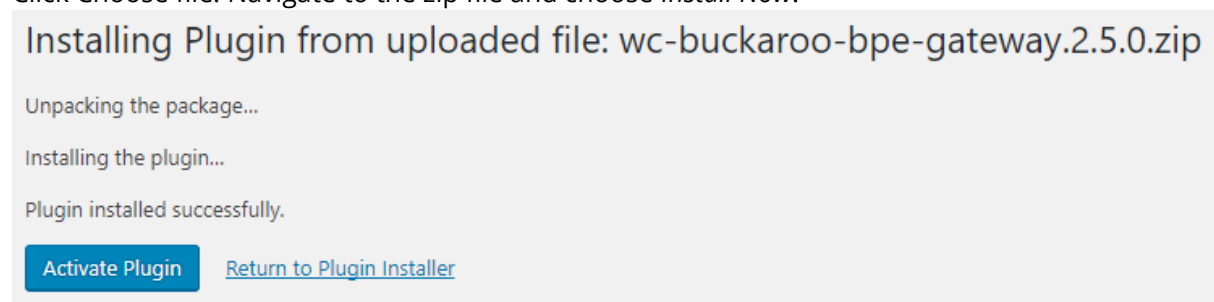
3.2 WooCommerce plugin installation

Login to the WooCommerce admin panel.

Go to Plugins, choose Add New Plugin. Then Click Upload Plugin.



Click Choose file. Navigate to the zip file and choose *Install Now*.



The plugin can be activated by the *Activate Plugin* button.

3.3 Check WooCommerce plugin installation

Go to Plugins and check if WC Buckaroo BPE 3.0 Gateway is activated. If it isn't, click *Activate*.

<input type="checkbox"/>	WC Buckaroo BPE Gateway Deactivate Edit	Buckaroo payment system plugin for WooCommerce version 2.3.x-2.4.x. Version 2.5.0 View details
<input type="checkbox"/>	WooCommerce Activate Edit Delete	An e-commerce toolkit that helps you sell anything. Beautifully. Version 3.0.0 By Automattic View details

4. Plugin configuration

4.1 General configuration

The BPE 3.0 Wordpress WooCommerce extension, has it general and default settings in Buckaroo Master settings. Go to *WooCommerce > Settings > Checkout -> Buckaroo Master Settings*.

4.1.1 Configuration for existing customers of the plugin

If you are working with a fresh installation of the BPE 3.0 Gateway plugin, skip to section 4.1.2. However, if you're upgrading from an existing version of the plugin that to version 2.5.0, you will see a button labelled *Migrate* on the Master Settings page.

You previous version of the plugin should work and should be active, else go to section 4.1.2.

Pressing the *Migrate* button will start the migration process. The migration process may take a few minutes. You will know it is complete, because one of the following messages will appear below the button:

- Migration complete, please refresh the page. For improved security, you can also delete your Buckaroo certificate from your certificate folder.
- Settings could not be migrated.
 - o In this case procede to configure the plugin from the start (4.1.2)

4.1.2 Configuring the Master Settings page

Go to *WooCommerce > Settings > Checkout -> Buckaroo Master Settings*.

The following settings can be set from the Master Settings page.

Migrate Settings	See section 4.1.1
Merchant key*	Provide your websitekey from the Payment Plaza.
Secret key*	Provide your Secret Key from the Payment Plaza.
Fingerprint*	Provide your thumbprint from the Payment Plaza.
Upload Certificate*	Upload your Buckaroo certificate file (this is usually called certificate.pem), by clicking the <i>Upload</i> button. Then press the <i>Save</i> button at the bottom of the page. When the page reloads, click on the <i>Select Certificate</i> dropdown, select your certificate and press <i>Save</i> .
Select Certificate*	See Upload Certificate setting (row above).
Use Notification Service	Set this to <i>Yes</i> , to have the payment engine send additional notifications.
Notification delay	How long (days) until the notification is sent.

Currency	Select the currency, in which payments will be made.
Language	Select which language will be provided in the Buckaroo payment screens.
Debug Mode	Toggles the debug features of the plugin on/off.
Transaction description	Provide your transaction information. Transaction information enables you identify your shop in the Payment Plaza.

* For information about this field see section 2 (for Upload Certificate & Select Certificate), these settings are required for payments to be processed.

Buckaroo Master Settings

Migrate Settings

Migrate

Click to migrate settings, from existing payment methods to master settings.

Merchant key

This is your Buckaroo Payment Plaza website key (My Buckaroo -> Websites -> Choose website through Filter -> Key).

Secret key

The secret password to verify transactions (Configuration -> Security -> Secret key).

Fingerprint

Certificate thumbprint (Configuration -> Security -> Certificates -> See "Fingerprint" after a certificate has been generated).

Upload certificate

Upload

2017-07-07 @ 14:11:53

Click to select and upload your certificate. Note: Please save after uploading.

Select certificate

None selected ▼

Select your certificate by name.

Use notification service

No ▼

The notification service can be used to have the payment engine sent additional notifications.

Notification delay

0

The time at which the notification should be sent. If this is not specified, the notification is sent immediately.

Currency

Euro ▼

Currency

Language

Dutch ▼

Buckaroo payment engine culture

Debug mode

Off ▼

Toggle debug mode on/off

Transaction description

Transaction description

Save changes

Most settings on this page, can also be set individually in each payment method. Which is probably only required in specific case.

Migrate Settings and *Debug Mode* are unique to the Master Settings page.

4.1.3 Configuring Payment Methods Individually

4.1.3.1 Required Settings

Go to *WooCommerce > Settings > Checkout*. Now click of the payment method you wish to use (e.g. *Buckaroo iDEAL*, *Buckaroo Creditcards*, *Buckaroo AfterPay*, etc). At the top of the page, you will see a checkbox that toggles the *Enable/Disable* setting for that payment method. Tick this checkbox, to allow payments via the method (see below for example using *Buckaroo iDEAL*).

Enable/Disable ☒ **Enable Buckaroo iDEAL Payment method**

Next, make sure the payment method you wish to use is set to *Live* mode. Click on the dropdown next to *Transaction Mode* and select *Live*. **Note:** Test transactions are normally disabled for a live account. See section 2.1 step 6 for the settings for test transactions.

Transaction mode Live ▼
Transaction mode used for processing orders

Finally, save your changes by clicking the *Save changes* button.

4.1.3.2 Overriding Master Settings

As mentioned above in 4.1.2, most of the Buckaroo Master Settings can be configured individually. To follow this example, go to *WooCommerce > Settings > Checkout > Buckaroo iDEAL*. To use a different set of Buckaroo credentials, uncheck the *Use Master Settings* checkbox.

Use master settings ☒ **Tick to use master settings for this payment method (see 'Buckaroo Master Settings' page to setup your default certificate).**

Upon unticking this, you will see the following settings appear on the page:

- Upload Certificate
- Merchant Key
- Secret Key
- Fingerprint
- Transaction description
- Language
- Currency
- Select Certificate
- Use Notification Service
- Notification delay

For details regarding which of these is required and how to set them, see section 4.1.2.

If you choose not to use Master Settings, all settings will be taken from that individual payment method (also when left blank).

4.2 Payment methods configuration

The following payment methods have additional settings (Go to *WooCommerce > Settings > Checkout*):

- Buckaroo Payment Guarantee
- Buckaroo SEPA Direct Debit
- Buckaroo Bank Transfer
- Buckaroo AfterPay

4.2.1 Buckaroo Payment Guarantee

Number of days between order and invoice	How many days are there between the order date and the invoice date. The moment the customer should pay is the invoice date.
Send email	Buckaroo will send an email after a guarantee request was successful.
Allowed payment methods	Select the payment methods the customer can use to pay the invoice.

The screenshot shows the configuration interface for the Buckaroo Payment Guarantee. It includes three main sections:

- Number of days between order and invoice:** A text input field containing the value '14'. Below it, a note states 'Maximum days of delay 30.'
- Send email:** A dropdown menu currently set to 'No'. Below it, a note states 'Send Buckaroo Payment Plaza e-mail to customer.'
- Allowed payment methods:** A list box showing four options: 'iDEAL' (highlighted in blue), 'Overboeking (SEPA Credit Transfer)', 'Mastercard', and 'Visa'.

4.2.2 Buckaroo SEPA Direct Debit

Use Credit Management	Buckaroo sends payment reminders to the customer. Contact Buckaroo before activating Credit Management. The default setting is that this service is excluded in the contract.
Invoice delay (in days)	Specify the amount of days before the invoice should be paid.
Due date (in days)	Specify the number of days the customer has to complete their payment before the first reminder e-mail will be sent by Buckaroo.
Max reminder level	Select the maximum reminder level Buckaroo will use.
Allowed payment methods	Select the payment methods the customer can choose to pay the invoice.

Use credit managment Buckaroo sends payment reminders to the customer. (Contact Buckaroo before activating credit management. By default this is excluded in the contract.)

Invoice delay (in days) Specify the amount of days before Buckaroo invoices the order and sends out the payment mail.

Due date (in days) Specify the number of days the customer has to complete their payment before the first reminder e-mail will be sent by Buckaroo.

Max reminder level Select the maximum reminder level buckaroo will use.

Allowed payment methods

iDEAL
Overboeking (SEPA Credit Transfer)
Mastercard
Visa
eMaestro
Giropay

4.2.3 Buckaroo Bank Transfer

Number of days till order expire	Number of days in which the payment is expected. The date is used in the email.
Send email	Buckaroo sends email to customer with the bank transfer information.
Show payment procedures	Show bank transfer information on the return page.

Number of days till order expire Number of days to the date that the order should be payed.

Send email Buckaroo sends an email to the customer with the payment procedures.

Show payment procedures Show payment procedures on the thank you page after payment confirmation.

4.2.4 Buckaroo AfterPay

Select afterPay service	Which service you want to use for processing the payment. For questions, contact support@buckaroo.nl .
Enable B2B option for AfterPay	Determines whether a customer can pay using company credentials.
Default product Vat type	Provide the default VAT type for your products. This is a required field.

Select afterpay service

Offer customer to pay afterwards by digital invoice. ▼

Please select the service

Enable B2B option for AfterPay

Disable ▼

Enables or disables possibility to pay using company credentials

Default product Vat type

1 = High rate ▼

Please select default vat type for your products

4.3 Additional VAT Types

There are currently 5 VAT types. If you sell different kinds of products that require different VAT types, do the following:

Go to the Product page and select Edit product. Then select the Attributes tab.

Product Data — Simple product ▼

Virtual: ☐ Downloadable: ☐

General

Expand all Close all

Inventory

Save attributes Custom product attribute ▼ Add

Shipping

Linked Products

Attributes

Advanced

Next, add the attribute **vat_category** to the product as an invisible attribute. Set value from 1 to 5 according to the product VAT category type. This attribute will overrule the default product VAT type setting.

Product Data — Simple product ▼
Virtual: ☐ Downloadable: ☐

General
Inventory
Shipping
Linked Products
Attributes
Advanced

vat_category Remove

Name: vat_category Value(s): 1

☐ Visible on the product page

Save attributes Custom product attribute ▼ Add

5. FAQ

Question 1: I installed the plugin, but the transactions aren't working. What's wrong?

Answer: Check if all data is filled in correctly. Please check the *website key*, the secret key and whether the certificate is uploaded. Also check the Buckaroo report in the left menu of your WordPress installation. If you're making test transactions, also check if *Allow test transactions* is enabled. To do this:

- a) Log into plaza.buckaroo.nl
- b) Go to *My Buckaroo > Websites*
- c) Select the website from the *Select websites* dropdown
- d) Click on the *3.0 Settings* tab
- e) Make sure that the *Allow test transactions* checkbox is ticked.

Question 2: Transactions are working fine and are visible in Buckaroo with status success, but the status in my WooCommerce environment isn't changed. How is this possible?

Answer: Most likely the push settings aren't set correctly. The push is used to update the status of an order in WooCommerce. Check the manual and check your *Push settings* in plaza.buckaroo.nl. To access your push settings:

- a) Log into plaza.buckaroo.nl
- b) Go to *My Buckaroo > Websites*
- c) Select the website from the *Select websites* dropdown
- d) Click on the *Push settings* tab, then check the following:
 - i. If your website is secured (URL starts with https instead of http) the push URL should also start with https.
 - ii. Check that *3.0 BPE return fields* is set to 'Lowercase letters'.

Question 3: I installed the plugin, but the transactions aren't working. What's wrong?

Answer: Most likely the *3.0 BPE return fields* setting in our plaza is not set to 'Lowercase letters'. To check this:

- a) Log into plaza.buckaroo.nl
- b) Go to *My Buckaroo > Websites*
- c) Select the website from the *Select websites* dropdown
- d) Click on the *Push settings* tab
- e) Check that *3.0 BPE return fields* is set to 'Lowercase letters'

Additionally, you should check that the *Secret key* in our plaza matches the *Secret key* in the Buckaroo plugin in WooCommerce. Also, check that the *Secret Key* only contains alpha numeric characters. Once logged into plaza.buckaroo.nl, the *Secret key* can be found at *Configuration > Security > Secret key* (Check the manual for more information about the push settings).