

Installation Manual for Barclaycard Magento

This manual describes the installation and usage of the Barclaycard extension for Magento. T

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1 Introduction

This manual explains the installation, configuration and usage of the payment module for Magento and Barclaycard.

Before beginning with the installation, please make sure that you are in possession of all necessary data:

- You receive your PSPID and password after conclusion of contract and opening of a demo account directly from Barclaycard
- Magento payment module from sellXed.com/shop
- Access data to your server and shop

In case you do not yet have a contract with Barclaycard, you can gladly acquire it directly through us.

1.1 Procedure of the Installation

In this document you will find all information important for the installation of the module. It is important that you strictly follow the described steps. Only by doing so, a secure usage in compliance with all security regulations can be guaranteed.

1. Configuration of the administration interface of Barclaycard.
2. Configuration of the basic settings of the payment module
3. Configuration of the **payment methods**
4. Carrying out a test purchase by means of the attached test data at the end of this document
5. If the test was successful, copy all data from your test account into the Barclaycard live account.

Installation Service

In case of problems, our support team is at your disposal during regular business hours under: <http://www.sellxed.com/en/support>.

Furthermore, you have the option of ordering our installation service:
<http://www.sellxed.com/shop/en/integration-und-installation.html>

.htaccess Directory Protection

In order to test the module, any kind of directory protection or IP blocking on your server must be deactivated. This is crucial; otherwise the payment feedback of Barclaycard might not get through to the shop.

2 Configuration Barclaycard - Back-End

For the configuration, log into the Barclaycard back-end:

- Test Environment: <https://mdepayments.epdq.co.uk/ncol/test/backoffice>
- Live Environment: <https://payments.epdq.co.uk/ncol/prod/backoffice>

The settings carried out on the following pages are a precondition for the [configuration of the main module](#).

The configuration of the settings is done under **Configuration > Technical Information**. In the following chapter the chapter titles correspond to the tabs in the back office of Barclaycard. For some parts screenshots will be added for a more precise illustration. Should a specific setting not be mentioned then it has no importance for the configuration of the payment module and can be ignored by you as such.

2.1 Tab: Global Transaction Parameters

Under the tab Global Transaction Parameters you define the basic settings for the processing of transactions.

2.1.1 Default operation code and default data capture procedure

We recommend choosing **Sale** and "**Automatic data capture by our system at the end of the day**". All incoming payments will be directly processed and debited. If you are using transaction management and deferred capturing we strongly advise to use these settings. In case you have saved different settings in the module, then the module's settings will overwrite those of the Barclaycard.

2.1.2 Payment Retry

We recommend entering **10**.

2.1.3 Processing for Individual Transactions

We recommend the option "**Online but switch to offline when the online acquiring system is unavailable**".

2.2 Tab: Global Security Parameters

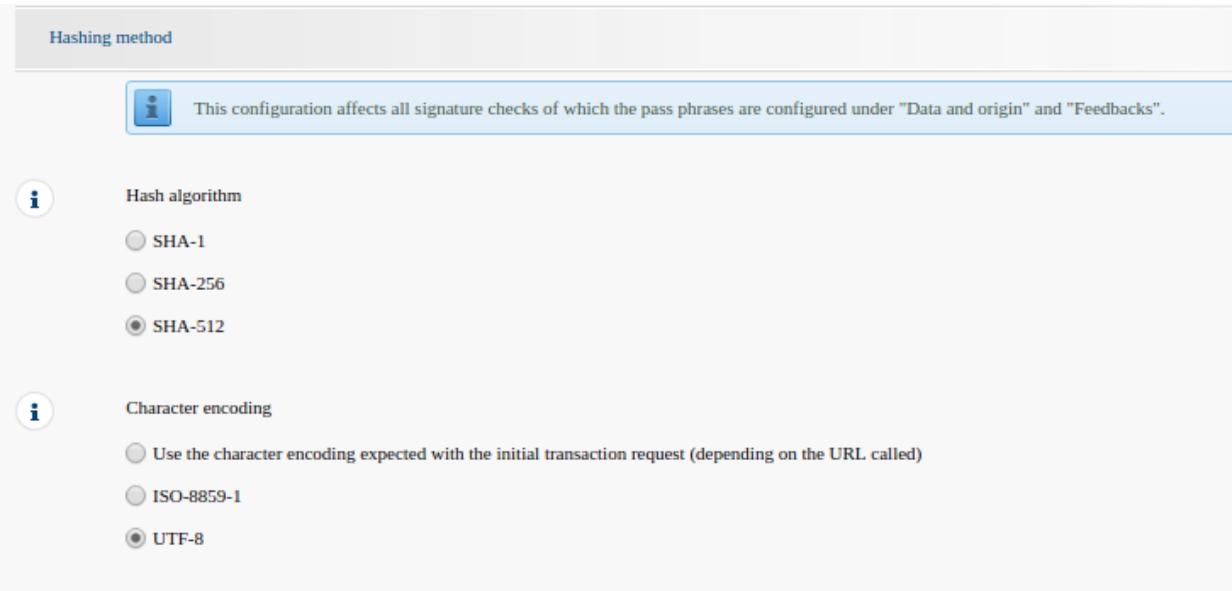
Here you define the security parameters for the interaction between your shop and the gateway of Barclaycard.

2.2.1 Hashing Method

The sellXed payment modules support all hashing methods. In order for the module to function, it is crucial that the settings saved with Barclaycard correspond to those made in the back-end of your shop.

In order to guarantee a smooth processing of payments, we recommend the following hashing methods:

- Each parameter, followed by the pass phrase. It may be that this parameter is not visible in your shop. In this case it is transmitted automatically.
- Hash Algorithm = SHA 512
- Character Encoding = UTF-8



The screenshot shows the 'Hashing method' configuration page. At the top, there is a note: 'This configuration affects all signature checks of which the pass phrases are configured under "Data and origin" and "Feedbacks".' Below this, there are two sections: 'Hash algorithm' and 'Character encoding'. Under 'Hash algorithm', 'SHA-512' is selected. Under 'Character encoding', 'UTF-8' is selected. Both sections have an information icon (info icon) next to their respective labels.

Figure 2.1: Configuration of the SHA-Hash.

These settings must be identical to the settings in the main module (cf. [Configuration of the main module](#)). Please note that the character encoding in our modules is set to UTF-8 per default and cannot be changed.

2.3 Tab: Payment Page

The checkbox under **Cancel Button** should be ticked. The field under Back Button Redirection can be left empty.

2.4 Tab: Data and Origin Verification

The tab Data and Origin Verification defines security elements concerning the transmission of data and the loading of the payment page.

2.4.1 Checks for e-commerce & Alias Gateway

The first box under "URL of the merchant page" can remain empty.

The box "SHA-IN pass phrase" is a security element of the payment verifying its authenticity. Therefore it is important that you use the same pass phrase in the back end and in the shop.

Customweb SHA-String Generator

Please note that only ASCII characters may be used for SHA pass phrases. Please use our [SHA pass phrase generator](#) so that you do not enter invalid characters.

2.4.2 Checks for Barclaycard DirectLink and Barclaycard Batch (Automatic)

DirectLink allows you to use the Hidden Authorisation (Alias Gateway) as well as the direct debiting of transactions from within your shop. If you have activated DirectLink in your account and wish to use this feature, enter **the same** SHA-IN pass phrase in the box "SHA-IN pass phrase" as above.

Further information on the configuration of DirectLink can be found under [Configuration Hidden Authorisation](#).

2.5 Tab: Transaction Feedback

In the tab Transaction Feedback the response of Barclaycard to the shop is controlled.

2.5.1 HTTP Redirection in the Browser

The parameters in the transaction feedback determine the processing in the shop after payment has been completed. However, the four fields for "HTTP Redirection in the Browser" can remain **empty** because they will be configured through the settings of our module.

2.5.2 Direct HTTP-Server-to-Server-Request

- The "Timing of the Request" must be set to **Online but switch to a deferred request when the online requests fail**. As "Request Method" you must select "**POST**".
- **Un-tick** the option "I would like Barclaycard to display a short text to the customer on the secure payment page if a redirection to my website is detected immediately after the payment process."
- In the section **General** make sure that the Option: "I would like Barclaycard to display a "processing" message to the customer during payment processing." is **un-ticked** too.

URL on which the merchant wishes to receive a deferred HTTP request, should the status of a transaction change offline.

For the **Transaction Feedback** please enter the URL that is generated in the main module. More information can be found under the section [Transaction Feedback](#)

All orders have the status 'Pending'

Should you notice during the tests that orders are not registered in the shop and that no confirmation email is sent, this might be due to a failure of the transaction feedback. Make sure that your firewall is not blocking any request coming from Barclaycard.

Direct HTTP server-to-server request

i Timing of the request

No request.
 Always deferred (not immediately after the payment).
 Always online (immediately after the payment to allow customisation of the response seen by the customer).
 Online but switch to a deferred request when the online requests fail.

i URL of the merchant's post-payment page

If the payment's status is "accepted", "on hold" or "uncertain".
[SEE MANUAL FOR THIS URL // URL GEMÄSS MANUAL](#)

If the payment's status is "cancelled by the client" or "too many rejections by the acquirer".
[SEE MANUAL FOR THIS URL // URL GEMÄSS MANUAL](#)

Request method

POST
 GET

Figure 2.1: Configuration of the feedback URL for the HTTP-Feedback.

Deferred Requests und Time Out

Barclaycard sends the notification requests with a time out of 20 sec. Should your shop not response to the HTTP Request within this time a time out error will be sent. If you set the option to **Online but switch to a deferred request when the online requests fail** the request will be retried four times in ten minute intervals.

Please note that, depending on your Barclaycard subscription it is possible the only available option is **Always online (immediately after the payment to allow customization of the response seen by the customer)**. In this case, always select this option.

2.5.3 Dynamic e-Commerce Parameters

With this option you control which parameters are sent in the response from Barclaycard. In order for payments to effectively be evaluated in your shop, all necessary parameters must be sent. It is possible that you have other options available to select. Just make sure that you move every parameter from **available** to **selected** except for the following:

- CN
- SUBBRAND
- AAVADDRESS
- AAVCHECK
- AAVMAIL
- AAVNAME
- AAVPHONE
- AAVZIP



Figure 2.1: Configuration of the Dynamic E-Commerce Parameters. Your selection may look differently depending on your subscription with Barclaycard.

2.5.4 Security for Request Parameters

The box "SHA-OUT pass phrase" is an additional safety mechanism for payments. Here too must the entered pass phrase be identical with the one in your shop. However, please make sure that your SHA-OUT pass phrase differs from the SHA-IN pass phrase. .

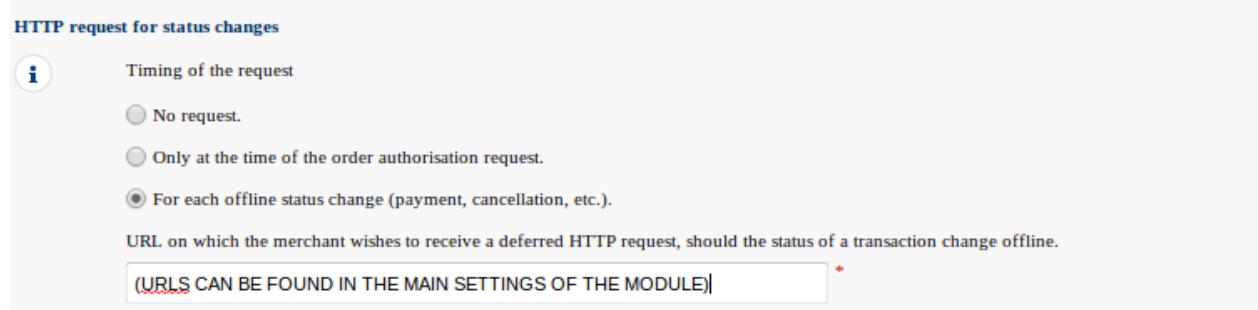
Customweb SHA-String Generator

Please note that only ASCII characters may be used for SHA pass phrases. Please use our [SHA pass phrase generator](#) so that you do not enter invalid characters.

2.5.5 HTTP Request for Status Changes

You have the option to be informed about status changes by Barclaycard directly. This feature is especially useful when a payment has an uncertain status because the acquirer system could not be reached. The payment status will be updated automatically. Furthermore this feature allows you to capture payments inside Barclaycard and have synchronize them with your shop

In order to use this feature you will have to select the option **For each offline status change (payment, cancellation, etc.)**. Afterwards just copy the URL into the field that is displayed in the Setup of your Main configuration (cf. [Transaction Feedback](#)). Enter the URL shown there into the field 'URL on which the merchant wishes to receive a deferred HTTP request, should the status of a transaction change offline.'



The screenshot shows a configuration section titled 'HTTP request for status changes'. It includes a note 'Timing of the request' with three options: 'No request.', 'Only at the time of the order authorisation request.', and 'For each offline status change (payment, cancellation, etc.)'. The third option is selected. Below this is a note 'URL on which the merchant wishes to receive a deferred HTTP request, should the status of a transaction change offline.' followed by a text input field containing '(URLS CAN BE FOUND IN THE MAIN SETTINGS OF THE MODULE)'. A red asterisk is visible next to the URL field.

Figure 2.1: Enter the URL from the Setup of the Main Configuration.

2.5.6 Dynamic Parameters

Move all parameters from **available** to **selected**.

2.6 (Dynamic-)Template

You can now find the option template via **Configuration > Template**. The Dynamic Template enables you to design the the payment mask for the credit card data so it matches your web shop. Should the field for the dynamic template not be visible, please contact Barclaycard. It may be that you have to activate additional options in your account.

For the usage of the dynamic template, please save the following settings:

- Enable JavaScript on template: '**No**'
- Our modules do not allow "usage of static template". So click 'No'
- Allow usage of dynamic template: '**Yes**'
- In case you are using the dynamic template, enter the host name, i.e. <https://Your-Shop.com> in the lower box. The upper one must remain empty.

Template

Enable JavaScript check on template
 Yes
 No

Allow usage of static template
 Yes
 No

Trusted static template name

 You may enter several template names, separated by ";" (e.g. template1.htm; template2.php)

Allow usage of dynamic template
 Yes
 No

Trusted dynamic template URL

 You may enter several template URL, separated by ";" (e.g. https://www.domain.com/tmp/template1.htm; https://www.domain.com/template2.php)

Trusted website hostname hosting the dynamic template
 *

 You may enter several website hostnames, separated by ";" (e.g. https://www.domain.com; https://www.otherdomain.com)

Figure 2.1: Configuration of the Dynamic Template.

Dynamic Template

Please note that you require a SSL certificate for the usage of the dynamic template. Otherwise the CSS-Resources will not be reloaded in certain browsers which might lead to layout issues.

The activation of the dynamic template in the shop is explained [here](#).

2.7 Hidden Authorization, External Checkout & Alias Manager

2.7.1 Preconditions

For the usage of the Hidden Authorization, Alias Manager or External Checkout during the payment processing, certain adjustments are necessary in the back-end of Barclaycard. Please first check if the options are activated in your account under **Account > Your Options**.

Other options

Available options **Premium** Default options

ID	Option	Activation	Monthly fee	Transaction/Unit cost	Status	
AFTP	FTP Module	0 CHF	0 CHF	0 CHF	Active	Deactivate
D3D	D3D (Direct Link 3D)	0 CHF	0 CHF	0 CHF	Active	Deactivate
ELVDE	EL.V (Direct Debits Germany)	0 CHF	0 CHF	0 CHF	Active	Deactivate Configuration
FACQ	Foreign acquires	0 CHF	0 CHF	0 CHF	Active	Deactivate
INV	Invoice appearance	0 CHF	0 CHF	0 CHF	Active	Deactivate
NPMA2	Foreign payment methods (fees per payment method activated) - CH	0 CHF	0 CHF	0 CHF	Active	Deactivate
OPC	One Page Checkout	0 EUR	0 EUR	0 EUR	Active	Deactivate
RECO1	Reconciliation Module	0 CHF	0 CHF	0 CHF	Active	Deactivate
RECX	Alias Manager	0 CHF	0 CHF	0 CHF	Active	Deactivate Configuration
SCH	Scheduled Payments	0 CHF	0 CHF	0 CHF	Available	Activate
SUB	Subscription manager	0 CHF	0 CHF	0 CHF	Active	Deactivate
USR4	User Manager up to 20 users	0 CHF	0 CHF	0 CHF	Active	Deactivate Configuration
USR5	User Manager up to 50 users	0 CHF	0 CHF	0 CHF	Available	Activate
USR6	User Manager up to 100 users	0 CHF	0 CHF	0 CHF	Available	Activate
USR7	User Manager up to 200 users	0 CHF	0 CHF	0 CHF	Available	Activate

(1) CAP1 : Includes transaction fee for 3-D Secure transactions

Figure 2.1: Make sure to activate the OPC option.

If the OPC option is not available please contact Barclaycard.

Options and their Meanings:

- For the usage of the Hidden Authorization you require the option **OnePageCheckout (OPC)**.
- If you additionally want to use the Alias Manager, you also need the option **Alias Manager (RECX)**.

In case these options should not be available, please contact Barclaycard directly.

2.7.2 Setting Up an API-User

If you want to use the features of the transaction management or the hidden authorization (Alias Gateway) you will need to set up an API user as described herafter:

Go to **Configuration > User Administration** and click on 'New User'. Choose a **User ID** and insert a user name of your choice and your e-mail address. Select **Administrator without user manager** as a profile. It is furthermore important that you select the option **Special user for API (no access to the administration)**. If you do not see this option, you will need to let Barclaycard activate the option DirectLink for your account.

Password of the API-User

The User ID and the API-user password may only contain letters and numbers. Special characters aren't permitted.

Note down the access data. They will have to be inserted in the respective place in the [configuration of the main module](#).

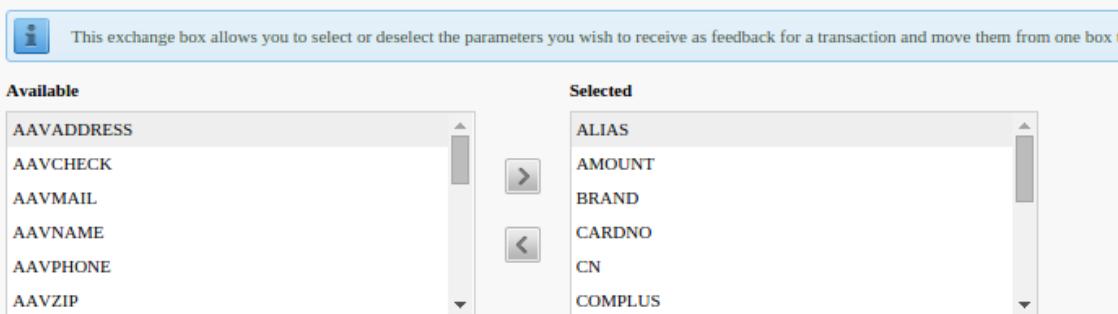
2.7.3 Usage of the Alias Manager for Recurring Payments

The sellXed payment modules integrate recurring payments via the option **Alias Manager and Direct Link** and not via the Subscription Manager of Magento. Please make sure, therefore, that both options are activated in your Barclaycard account.

In order to be able to use the Alias for recurring payments, you must ensure that the token which is generated by Barclaycard is re-transmitted to your shop. It is important, therefore, that you make sure that the Alias is part of the transaction feedback. To do so, please check the following steps:

1. Make sure that the parameter **ALIAS** is listed under 'Selected' (see screenshot 1 - Dynamic e-commerce Parameters).
2. The parameter **ALIAS** must also be selected in the Direct Link parameters (see screenshot 2 - Dynamic Parameters Direct Link).

Dynamic e-Commerce parameters



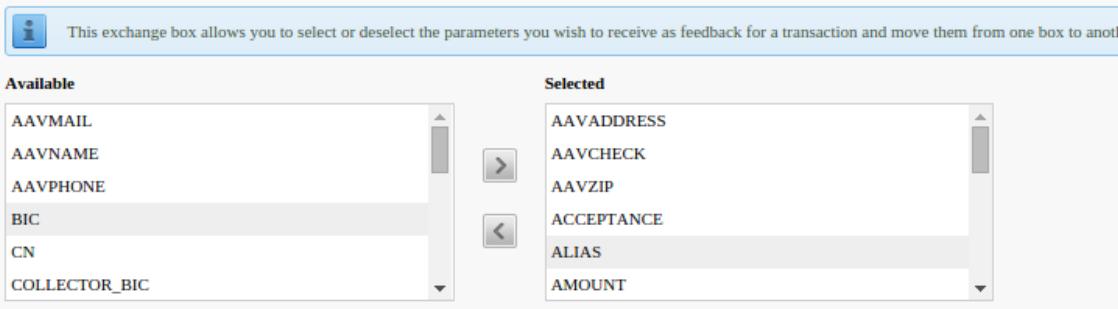
This exchange box allows you to select or deselect the parameters you wish to receive as feedback for a transaction and move them from one box to another.

Available	Selected
AAVADDRESS	ALIAS
AAVCHECK	AMOUNT
AAVMAIL	BRAND
AAVNAME	CARDNO
AAVPHONE	CN
AAVZIP	COMPLUS

Figure 2.1: Screenshot 1 - Dynamic e-commerce Parameters.

Directlink

Dynamic parameters



This exchange box allows you to select or deselect the parameters you wish to receive as feedback for a transaction and move them from one box to another.

Available	Selected
AAVMAIL	AAVADDRESS
AAVNAME	AAVCHECK
AAVPHONE	AAVZIP
BIC	ACCEPTANCE
CN	ALIAS
COLLECTOR_BIC	AMOUNT

Figure 2.1: Screenshot 2 - Dynamic Parameters Direct Link.

2.7.4 Usage of External Checkouts

For the usage of external checkouts there are additional options required. External checkouts, such as MasterPass are payment methods, which offer the possibility to transfer addresses automatically.

The usage of the external checkouts asks for the option Direct Link and for the activation of payment method in your account.

For the performance of the payment method, you have to make sure that under Technical Information > Transactionfeedback in the section Direct Link all parameters selected are shifted

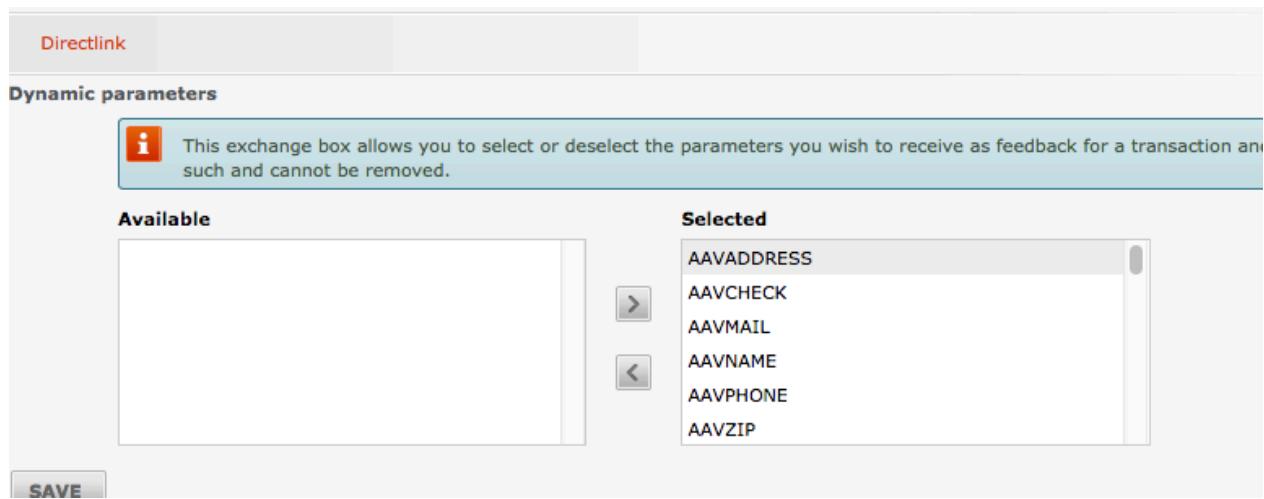


Figure 2.1: Response Parameter for Direct Link.

3 Module Installation in the Magento Shop

At this time you should already be in possession of the module. Should this not be the case, you can download the necessary files in your customer account in the [sellXed shop](#) (Menu "My Downloads Downloads"). In order to download the module in your shop, please carry out the following steps:

1. Create a back-up of your shop.
2. Extract the content of the ZIP file that you have downloaded in your customer account.
3. Copy the **entire content** of the folder "files" into the main directory of the server of your shop respectively to the folder where the plugins are copied normally. In order to do so, use your usual ftp program. Make sure that the folders aren't replaced but merely merged.
4. If you haven't yet done so, log back into your shop.

The configuration consists of two steps. The first step is the configuration of the main module with all the basic settings (cf. [Configuration of the Main Module](#)). During the second step you can then carry out individual configurations for each [payment method](#). This allows for full flexibility and perfect adaptation to your processes.

Create back-ups!

Please create a back-up of the main directory of your shop. In case of problems you will then always be able to return your shop to its original state.

We furthermore recommend testing the integration on a test system. Complications may arise with third party modules installed by you. In case of questions, our support is gladly at your disposal.

Compiler Cache / Caching

Before you start the installation or after doing an update of the module, please make sure, that the compiler cache is disabled. Also make sure that you cleared the cache otherwise it could be that the settings page is not visible. .

4 Installation Magento 1

In the following you will find the installation manual for Magento 1. If you have installed Magento 2 please refer to the steps mentioned following the installation procedures for Magento 1.

4.1 Configuration of the Main Module

The settings for the main module can be found under **System > Configuration > Barclaycard**. Enter the various options, some of which you have already specified in the configuration with Barclaycard. Information on the functionalities as well as the impact of the individual settings can be found directly by the option.

The field "Time-Out for pending Payments" defines after how many minutes the order status should switch from pending to cancelled (0 means that nothing should be changed) if no successful feedback concerning the payment is received from Barclaycard. This might occur e.g. if the customer has closed his or her browser. Further information on this topic can be found under [Order Status](#).

4.2 Defining the URL for the Transaction Feedback

In order for the payment to be processed correctly in your shop you have to name at least one Feedback URL in the Barclaycard Configuration. The URL you need to enter can be found in your Magento Shop under **Configuration > Barclaycard (Magento 1) // Stores > Barclaycard (Magento 2)**

4.3 Configuration of the Payment Method

After having successfully installed the main module, you will find the individual payment modules under **System > Configuration > Payment Methods**. You can save individual settings for each payment method and thereby optimally adapt the payment methods to your existing processes. The most central options are described in more detail further below.

4.3.1 Direct Capturing of Invoices

The "Invoice Creation" specifies if invoices should be captured directly or not. Captured invoices can no longer be modified. If you wish to be able to modify the ordered article for debiting, please set this option to "Deferred".

4.4 Order Prefix

With the option order prefix you can define your own order scheme for the transmission to Barclaycard. This option helps you identify to which shop a transaction the back-end of Barclaycard is related to. The tag "{id}" will automatically be replaced by the consecutive order number.

4.5 Selecting the Authorisation Method

You can choose between two options of authorizing credit card payments. By selecting one of the two under the option 'Authorisation Methods', you define how you want to process the individual payment methods.

Further information on the various authorisation methods can be found on our [sellXed website](#).

Payment Processing

Please pay attention to the fact that you require the activation of further options with Barclaycard in order to use some of the authorisation methods.

It may be that certain authorization methods are not available for every payment method.

Alongside the introduction of PCI 3 there are additional certification requirements in case you are using the authorization method Hidden or AJAX. Please contact Barclaycard for further information or switch to another authorization method.

4.6 Shop ID

In the case of a multi-store set up (cf. [chapter: Multi-Store](#)), the parameter Shop ID identifies the shop's request and, therefore, redirects the feedback of Barclaycard based on the shop ID.

4.7 Direct Capturing of Transactions

The option "Capture" allows you to specify if you wish to debit payments directly or if you first wish to authorise them and the debit the payment at a later point.

Depending on your acquiring contract, a reservation is only guaranteed for a specific amount of time. Should you fail to debit the payment within that period, the authorisation may therefore no longer be guaranteed. Further information on this process can be found below.

Different settings between Barclaycard back-end and module

It may be that settings saved in the payment modules overwrite settings saved in Barclaycard.

4.8 Uncertain Status Status

You can specifically label orders for which no 3D-Secure verification nor any other security mechanism was carried out. This allows you to manually control the order before shipment.

4.9 Optional: Validation

Note: It can be that this option is not visible in your module. In this case just ignore this section.

With the option 'Validation' you can define the moment when the payment method should be made visible to the customer during the checkout process. This setting is relevant for modules where the usage depends on the customer's compliance with specific preconditions. For example, if a solvency check has to be carried out or if the payment method is only available in certain countries. You have the choice between these options:

- **Validation before the selection of the payment method:** A validation verification is carried out before the customer selects the payment method. If he or she does not fulfill the requirements, the payment method is not displayed
- **Validation after selection of the payment method:** The verification of the compliance occurs after the selection of the payment method and before the confirmation of the order
- **During the authorisation:** The validation verification is carried out by Barclaycard during the authorisation process. The payment method is displayed in any case

4.10 Multi-Shop Set-Up

The payment module is designed for the usage of one Barclaycard contract for several shops. It must be differentiated, however, between the case of an integrated multi-shop functionality and independent shops:

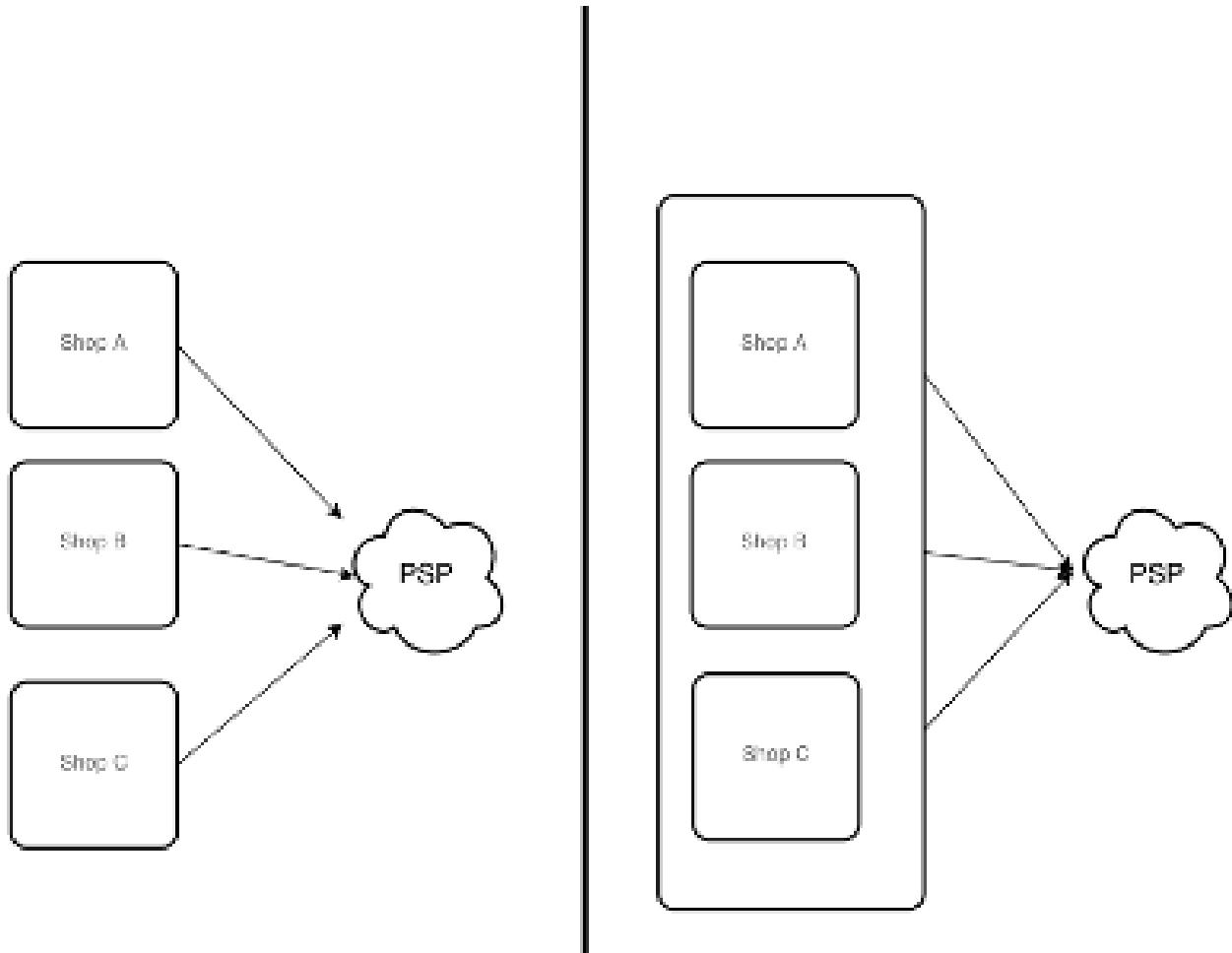


Figure 4.1: Multi-shop set-up

Licensing

In the case of independent shops, you require a payment module license for each shop. For scale prices, please contact us directly.

4.10.1 Usage of the Integrated Multishop Functionality of Magento

The payment module supports the multishop feature of Magento. No further modifications are necessary. The module automatically recognises the shop the order belongs to. In order for the multishop functionality to work, it is, however, necessary that the individual sub-shops within Magento have been configured correctly.

4.10.2 Usage of several independent Magento shops

In case you wish to connect several independent shops to one contract with one contract with Barclaycard, you require a sellXed payment module for each shop as well as the corresponding multi-shop module which you will find directly by the payment module.

1. Extract the multi-shop module and open the file "router.php"
2. Enter a shop ID of your choice in the box "Shop ID" within the main configuration of the module (e.g. shop_a and shop_b)
3. Enter the following line into the corresponding place within the file router.php of the multi-shop module (for each shop shop_a and shop_b):
`$redirect['shop_a'] =
'https://www.your-shop.com/index.php/BarclaycardCw/process/process';`
4. Enter the URL below (instead of the URL mentioned above) under the point "Feedbacks" in the back-end of Barclaycard: **http[s]://yourshop.com/router.php**
5. Copy the file router.php into the main directory of your shop

5 Settings / Configuration of Payment Methods

5.1 General Information About the Payment Methods

All sellXed payment modules are delivered with the most common payment methods. In case a desired payment method is not included per default, please contact us directly.

In order to be able to use a payment method, it must be activated in your account with Barclaycard as well as in your shop. Information about the configuration of the payment methods can be found further above.

Below you can find important information for specific payment methods that deviate from the standard process.

5.2 Information on Payment Status

For each payment method you can define an initial payment status (status for authorized payments etc.). You hereby define the payment status for each state depending on the processing type of the order (captured, authorized, etc.). It's the initial status which the order assumes. Depending on the mutation carried out by you, the status can change.

Important: Never set the status to pending Barclaycard or any similar pending status which is implemented by the module.

5.2.1 Order status "pending" / imminent payment (or similar)

Orders with the status 'pending Barclaycard' are pending orders. Orders are set to that status if a customer is redirected in order to pay but hasn't returned successfully or the feedback hasn't reached your shop yet (Customer closed window on the payment page and didn't complete payment). Depending on the payment method these orders will automatically be transformed into cancelled orders and the inventory will be cleared (so long as the Cronjob is activated). How long this takes depends on the characteristics of the payment method and cannot be configured.

If you have a lot of pending orders it usually means that the notifications from your webserver to Barclaycard are being blocked. In this case check the settings of your firewall and ask the Hoster to activate the IPs and User Agents of Barclaycard.

5.2.2 Order status "cancelled"

Orders with the status "cancelled" have either been set to that status automatically due to a timeout, as described above, or have been cancelled directly by the customer.

5.3 Usage Hidden Authorisation / Alias Gateway

You have the possibility of processing credit cards without redirection to the payment page of Barclaycard.

In order to be able to use this feature, you must first carry out the steps listed under [Hidden Authorisation / Alias Gateway](#) and create an API-User.

You can then activate the authorisation method 'Hidden Authorisation' for the payment methods of your choice. This procedure requires you as a merchant to fulfill the PCI-SAQ-A-EP. At no time is any credit card data saved on your server. Contact your Acquirer for more information about the SAQ and the requirements.

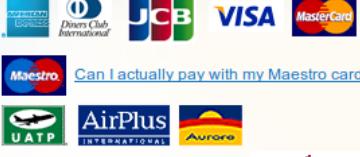
5.4 Credit Card

For the integration you have the choice between the pre-selection in the shop; i.e. the customer chooses the card type already in the shop; or a generic integration in which case the customer only sees the option 'credit card' as a payment method and then chooses the card type on the payment page Barclaycard.

Order reference :	sellxed_og_100000091	Beneficiary :	customweb GmbH
Total charge :	966.00 CHF		-
			-/-

Please select a payment method by clicking on the logo.

Card: SSL secured transaction



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Figure 5.1: No pre-selection of the card type - the type will then be chosen on the payment page.

Pre-Selection of the Payment Method

We recommend choosing the option pre-selection. This allows you to configure individual settings for each payment method and add payment fees to the various methods.

5.5 PayPal

You can process PayPal directly via Barclaycard. In order to do so, however, some adjustments to your PayPal account are required. Please carry out the following steps:

1. Activate the payment module in your shop
2. Make sure that the payment method is activated in your Barclaycard account
3. The API adjustments must be carried out in your PayPal account. The various steps are explained in the "PayPal Express Checkout Integration Guide". This document can be found in your PSP account under: Support > Integration and User Guides > Technical Guides > Barclaycard PayPal Express Checkout Integration Guide .

5.6 MasterPass Integration: What to keep in mind

If you integrate MasterPass as a payment method in your shop, you have two integration options: External and Standard Checkout. When using External Checkout, the customer does not have to provide address data during checkout. The customer only needs a MasterPass account and the data will be transmitted by MasterPass. In order to use this option as a merchant, you have to activate this payment method with Barclaycard.

Please keep in mind, that using additional functions such as address transmission through MasterPass, may require the activation of the respective options through Barclaycard aktiviert.

In order to use MasterPass in compliance with the MasterCard guidelines, please read the following information carefully before using this payment method.

5.6.1 Integration Possibilities for MasterPass

MasterPass can be integrated as a normal payment method with redirection to Barclaycard or as an external checkout.

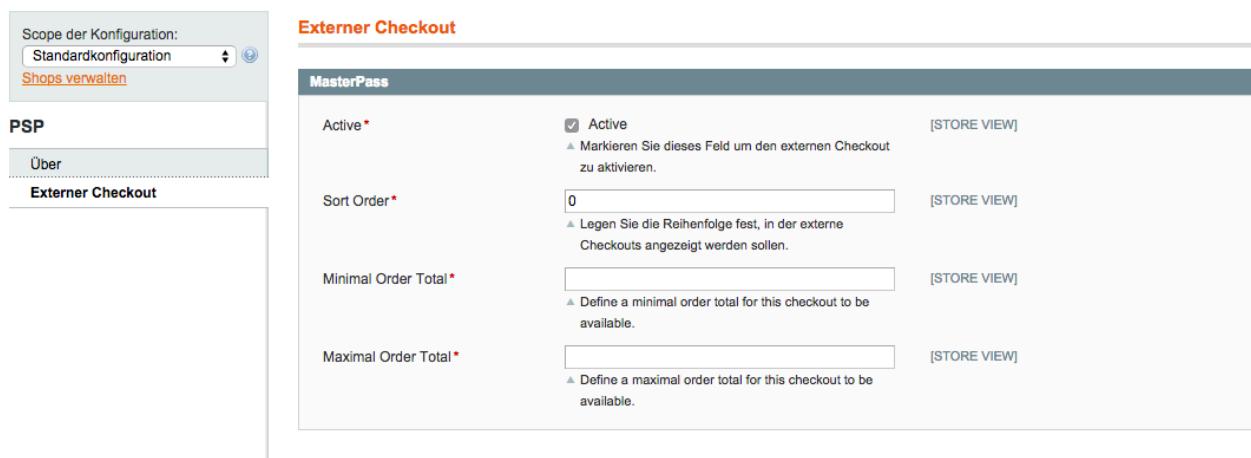
5.6.1.1 MasterPass as a Payment Method

If you like to integrate MasterPass as a normal payment method, activate the payment method as usual (see [Configuration of the payment method](#)). In this scenario the customer will first be redirected to MasterPass and then to the wallet of the issuer.

5.6.1.2 MasterPass as External Checkout

If you integrate MasterPass as an external Chekout, you can minimize the steps towards the payment radically. The adress transfer and the creation of the account is processed via MasterPass. If you activate the external checkout, there appears a button in the basket with which you can jump after the login directly to the last step of the order confirmation. The creation of the account happens in the background.

For the activation of the external checkout go to **Configuration > Barclaycard (Magento 1) // Stores > Barclaycard (Magento 2)**. There you'll find all settings for the external checkout:



The screenshot shows the Magento Admin Panel configuration for MasterPass External Checkout. On the left, a sidebar menu is visible with 'Scope der Konfiguration: Standardkonfiguration' and 'Shops verwalten'. The main panel title is 'Externer Checkout'. Under the 'MasterPass' section, there are four configuration fields:

- Active ***: A checkbox labeled 'Active' with the note: 'Markieren Sie dieses Feld um den externen Checkout zu aktivieren.' A '[STORE VIEW]' link is next to it.
- Sort Order ***: A text input field containing '0' with the note: 'Legen Sie die Reihenfolge fest, in der externe Checkouts angezeigt werden sollen.' A '[STORE VIEW]' link is next to it.
- Minimal Order Total ***: An empty text input field with the note: 'Define a minimal order total for this checkout to be available.' A '[STORE VIEW]' link is next to it.
- Maximal Order Total ***: An empty text input field with the note: 'Define a maximal order total for this checkout to be available.' A '[STORE VIEW]' link is next to it.

Figure 5.1: Activation of the external checkout.

MasterPass as external checkout is not for all cases available. If this point in the manual doesn't appear, please make sure to contact us.

5.6.2 Checkout: MasterPass Learn More Button

When using MasterPass as a payment method for standard checkout, it is mandatory to link to the MasterPass Learn More Page. In order to do this, navigate to [Payment Method Configuration](#). Paste the link for the Learn More Page into the field 'Description' for the respective languages. The field 'Learn More' will now be displayed when choosing a payment method.

We have already collected the most important links for you. You only have to copy and paste the links into the description field:

- German:Mehr Erfahren
- French:apprendre plus
- English:Learn More
- Spanish:aprender más
- Italian:saperne di più
- Dutch:Leer Meer

Aktiviert	<input checked="" type="checkbox"/> Aktiviert	[STORE VIEW]
<small>▲ Diese Zahlungsmethode aktivieren</small>		
Titel	<input type="text"/> MasterPass	[STORE VIEW]
<small>▲ Name der Zahlungsmethode</small>		
Beschreibung	<pre>Mehr Erfahren </pre>	
<small>▲ Beschreibung der Zahlungsmethode</small>		

Figure 5.1: Example for entering a description (Magento). These settings are to be found in the payment method configuration for MasterPass.

The screenshot shows a section titled '4 Payment Information'. Below it, there is a heading 'MasterPass' with a circular icon. Underneath is a 'BUY WITH MasterPass' button featuring the MasterPass logo and a credit card icon. A blue link labeled 'Mehr Erfahren' is visible below the button.

Figure 5.1: The Learn More Page link should appear in the frontend.

Links for additional languages can be found in this document:
<https://developer.mastercard.com/...>

5.6.3 Additional information

General and additional information on using the MasterPass trademark and logo in your webshop are available in the official MasterPass Merchant Branding Requirement Document, which you can access here: <https://developer.mastercard.com/...>

6 The Module in Action

Below you will find an overview over the most important features in the daily usage of the Barclaycard module.

6.1 Refunds

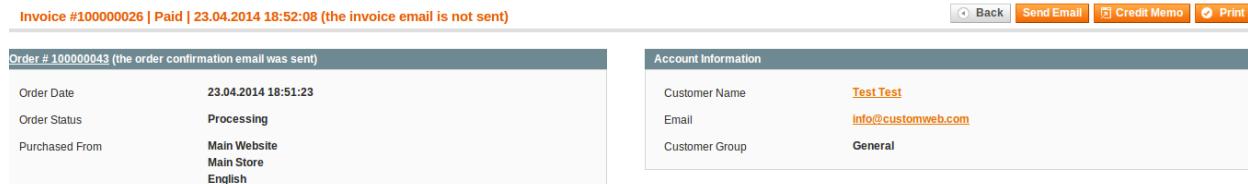
You can refund already captured transactions and automatically transmit them to Barclaycard. In order to do so, open the invoice of the captured order. By clicking on "Credit Memo" the window for refunds is opened. Enter the amount you wish to refund. By clicking on "Refund" the refund is transmitted to Barclaycard.

Below you find a step-by-step guide including screenshots:



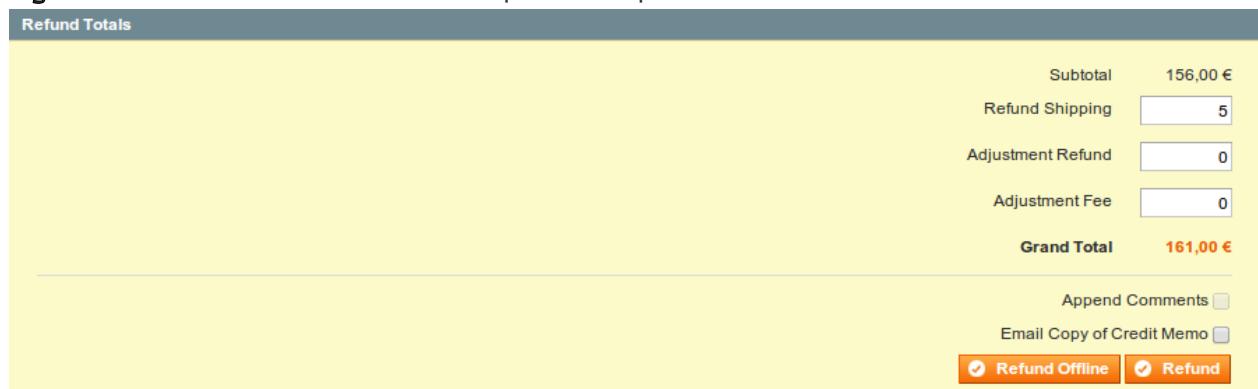
The screenshot shows the 'Order View' interface. On the left is a sidebar with links: Information, Invoices, Credit Memos, Shipments, Comments History, and Transactions. The main area displays an invoice for Order # 200000003, dated 17.04.2014 16:40:42. The invoice details are: Invoice # 200000003, Bill to Name Thomas Lueth, Invoice Date 17.04.2014 16:41:41, Status Paid, Betrag 20,99 €. Navigation buttons at the top include Back, Edit, Send Email, Credit Memo (highlighted in orange), Hold, Ship, Reorder, Reset Filter, and Search.

Figure 6.1: 1. open the invoice



The screenshot shows the 'Order View' interface. The sidebar shows Order # 100000043 (the order confirmation email was sent). The main area shows account information: Customer Name Test Test, Email info@customweb.com, and Customer Group General. Navigation buttons at the top include Back, Send Email, Credit Memo (highlighted in orange), and Print.

Figure 6.1: 2. click on credit memo - Important - open the invoice first!.



The screenshot shows the 'Credit Memo' screen. It displays 'Refund Totals' with fields for Subtotal (156,00 €), Refund Shipping (5), Adjustment Refund (0), Adjustment Fee (0), and Grand Total (161,00 €). Below this are buttons for Append Comments (unchecked), Email Copy of Credit Memo (unchecked), Refund Offline (checked), and Refund (checked). Navigation buttons at the top include Back, Send Email, Credit Memo (highlighted in orange), Hold, Ship, Reorder, Reset Filter, and Search.

Figure 6.1: 3. Adjust the refunding amount (see more info below [Refunds Based on Quantity](#))

Refund Totals	
Subtotal	156,00 €
Refund Shipping	5
Adjustment Refund	0
Adjustment Fee	0
Grand Total	161,00 €
<input type="checkbox"/> Append Comments <input type="checkbox"/> <input type="checkbox"/> Email Copy of Credit Memo <input type="checkbox"/> <input checked="" type="button"/> Refund Offline <input checked="" type="button"/> Refund	

Figure 6.1: 4. To process the refund click on **Refund**.

<input checked="" type="checkbox"/> The credit memo has been created.	
 Order # 100000041 23.04.2014 18:26:16	
<input type="button"/> Back <input type="button"/> Send Email <input type="button"/> Reorder	
Order # 100000041 (the order confirmation email was sent)	
Order Date	23.04.2014 18:26:16
Order Status	Closed
Purchased From	Main Website Main Store English
Placed from IP	160.85.155.47
Account Information	
Customer Name	Test Test
Email	info@customweb.com
Customer Group	General

Figure 6.1: Wait for the confirmation of the refund.

6.1.1 Refunds Based on Quantity

You can make refunds based on product quantity. In order to do so, open the credit memo window and enter the amount of products you wish to refund to your customer's card

You can carry out as many individual refunds until you have reached the quantity of the original order. The status of the order then automatically switches to **complete**.

 Order # 200000055 02.12.2013 16:37:59					
<input type="button"/> Back <input type="button"/> Edit <input type="button"/> Send Email <input type="button"/> Credit Memo <input type="button"/> Hold <input type="button"/> Shop <input type="button"/> Reorder					
<input type="checkbox"/> Page <input type="text" value="1"/> of 1 pages View <input type="text" value="20"/> per page Total 2 records found		<input type="button"/> Reset Filter <input type="button"/> Search			
Credit Memo #	Bill to Name	Created At	Status	Refunded	
200000001	Leandrsa Simitovic	From: <input type="text"/> To: <input type="text"/> 02.12.2013 16:42:10	Refunded	35,00 €	
200000002	Leandrsa Simitovic	From: <input type="text"/> To: <input type="text"/> 02.12.2013 16:47:03	Refunded	146,00 €	

Figure 6.1: Overview over all Refunds

6.1.2 Refunding of Any Amount

As each position of the order needs to be transmitted to Barclaycard we can't support the function **Adjustment Refund** - meaning the refund of any amount. Only whole items can be refunded by adjusting the refund amount.

Adjusting the amount of several refunds

It is possible to carry out several refunds on an order. Please note that you can refund a maximum of 100% of the original amount. If you have already carried out a refund you

need to make sure not to refund more than the initial amount by adjusting the amount and the Adjustment Fee.

6.2 Useful Transaction Information on the Order

In each order, processed via the sellXed module, you can find an overview over the most important information about the transaction as well as a transaction history.

Payment Information		
Authorisation amount	161.0000	
Currency	CHF	
Payment method	MasterCard	
Payment ID	23679571	
Captured amount	161	
Transaction authorised	Yes	
Transaction uncertain	No	
Transaction captured	Yes	
Transaction paid	Yes	
Alias	XXXXXXXXXXXX0007 (12/13)	
Alias Token	8B1974E9-59EB-442C-A1D4-34BEC568EE23	
Acceptance	test123	
Card number	XXXXXXXXXXXX0007	
Card expiry date	12/13	
Merchant reference	sellXed_og_100000087	
Transaction history		
Date	Action	Message
2013-09-12 12:53:50	authorization	The amount of 161.00 is authorized.
2013-09-12 12:53:50	capturing	The amount of 161.00 is captured.
Order was placed using CHF		

Figure 6.1: Transaction Information.

6.3 Usage Abo Commerce / Recurring Payments

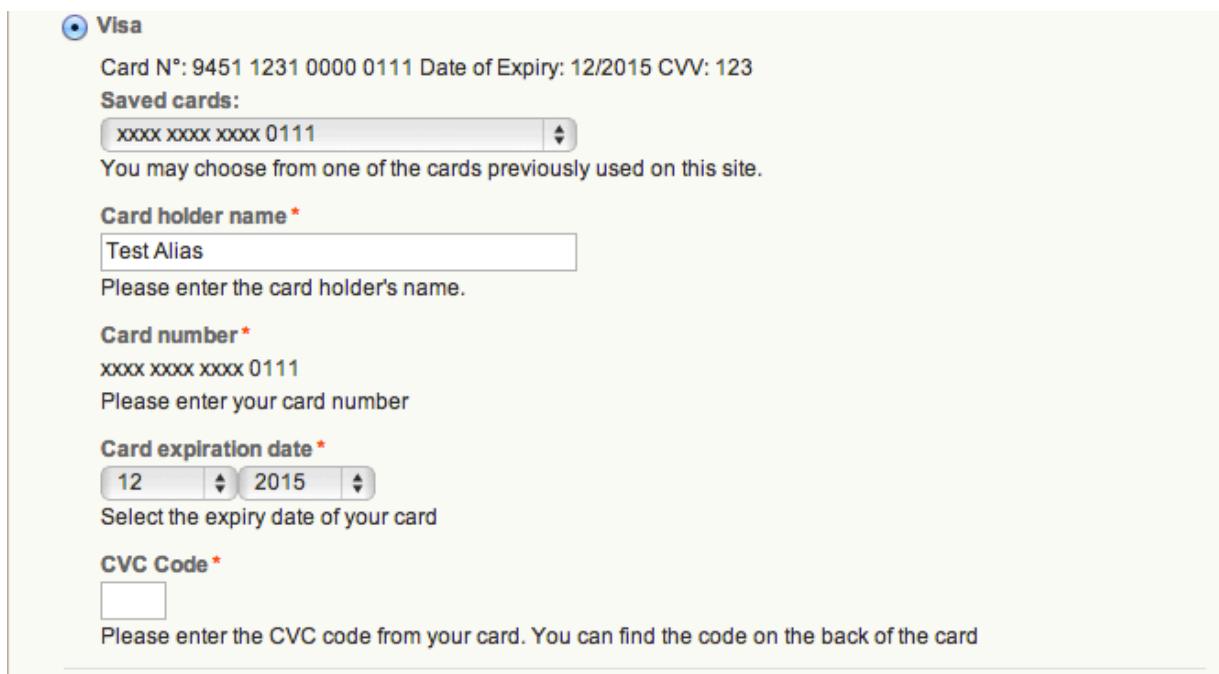
Abo-Commerce increases long-term customer loyalty. Customers can choose as many products as they wish and have them home to them in cycles of their choice. The advantage for customers: products that are required regularly are automatically delivered to their home.

If you wish to offer recurring payments with Magento, you can use our extension that we've developed for you. The module can be purchased directly in our [shop](#). Please refer to the attached manual for the configuration of the module.

6.4 Usage of the Alias Managers / Token Solution

With the Alias Manager, your customers can securely save their credit cards with Barclaycard for later purchases. You can enable this by activating the option "Alias Manager" in the configuration

of the [Payment Method](#). The customer can then choose from his or her saved credit cards without having to re-enter all the details.



Visa

Card N°: 9451 1231 0000 0111 Date of Expiry: 12/2015 CVV: 123

Saved cards:

xxxx xxxx xxxx 0111

You may choose from one of the cards previously used on this site.

Card holder name *

Test Alias

Please enter the card holder's name.

Card number *

xxxx xxxx xxxx 0111

Please enter your card number

Card expiration date *

12 2015

Select the expiry date of your card

CVC Code *

Please enter the CVC code from your card. You can find the code on the back of the card

Figure 6.1: Alias Manager Transaction

Please note!

The usage of the Alias Managers requires the activation of the correct option with Barclaycard. To do so, please contact the support directly.

6.4.1 Deleting Customer Aliases

You can easily delete a customer's alias by opening the customer in the backend of Magento. Switch to the tab Barclaycard Alias and delete the saved alias directly here.

Admin Customweb		Back	Reset	Create Order	Delete Customer	Save Customer	Save and Continue Edit
Page 1 of 1 pages View 20 per page Total 1 records found						Reset Filter	Search
Beispiel-Alias	Zahlungsmethode				Aktion		
XXXXXXXXXXXX0002 (02/16)	Visa					Löschen	

Figure 6.1: Delete previously saved aliases of your customers.

6.5 Capturing / Cancelling of Orders

Please note

The transaction management between your shop and Barclaycard is not synchronised. If you capture payments with Barclaycard, the status in the shop will not be updated and a second capturing in the shop is not possible.

6.5.1 Case 1: Invoice Capturing Directly After the Order

In the following, the process is explained for the case that you have chosen to directly create the invoice after having placed the order and only authorise payments - not capture them directly - (further information on the configuration can be found under [Creating the Invoice](#)).

In order to capture the order, open the invoice and click "capture". If you click "Cancel", the authorisation will be cancelled.

6.5.2 Case 2: Deferred Invoice Capturing

In case you have chosen the deferred invoice creation, you first have to create the invoice by clicking on the button "Invoice". Select "Capture online" below the total amount and then click on "capture invoice". The invoice has now been captured.

6.5.3 Cancel of orders/transactions

In order to cancel a transaction you first have to open the invoice and klick on the cancel button. After that open the order and click on cancel here again. This will send the cancel of the order to Barclaycard. Please note that you need to cancel the invoice and the order.

6.6 Place Orders in the Back-End of Magento

With the Magento payment module you can place orders and capture the payment directly in the shop; so called Mail Order / Telephone Order (MOTO).

1. Go to the order overview and click on "Create New Order"
2. The usual window for the creation of orders will be opened. Select the customer in question, the item and the address
3. Select the preferred payment method and click on "Submit Order".
4. Depending on the authorisation method that you have saved for the selected payment method, you will either be redirected to the Payment Page of Barclaycard or the mask for the credit card will appear such as in the image below. Enter the credit card data of the customer.

 **Mail order/telephone order authorization**

Card holder name *

Please enter the card holder's name.

Card number *

Please enter your card number

Card expiration date *

Select the expiry date of your card

CVC Code *

Please enter the CVC code from your card. You can find the code on the back of the card

 **Continue**

Figure 6.1: MoTo Transactions in Magento

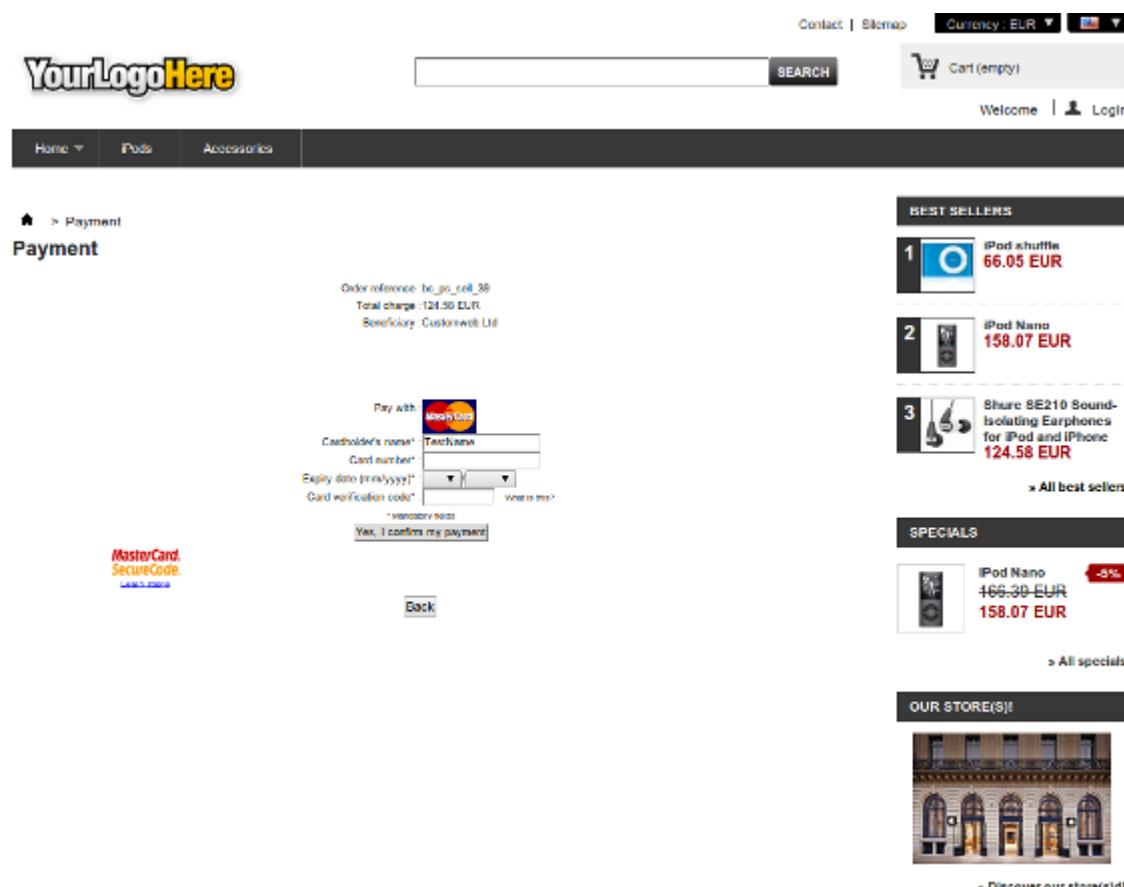
6.7 Dynamic Template

We provide a standard skin for the usage of the dynamic template for all sellXed modules. You can activate the option by setting the option "Dynamic Template" to "Use Shop Template" in the main module. Please make sure that all settings specified under [Template](#) have been carried out in the back-end of Barclaycard.

The Dynamic Template allows you to load the Payment Page of Barclaycard in the layout of your shop. The customer, therefore, does not notice that he or she has been forwarded to the website of Barclaycard. The template dynamically adjusts to your shop template. This, furthermore, allows you to easily integrate Mobile Skins (cf. Screenshots).

The Dynamic Template requires an SSL Certificate

In order for the Dynamic Template to work correctly with all browsers, you require an SSL certificate in your shop.



The screenshot shows a web browser displaying a payment page from Barclaycard integrated into a shop's layout. The shop's header includes a logo placeholder ("YourLogoHere"), a search bar, currency selection (EUR), a shopping cart (empty), and user links (Welcome, Login). The navigation bar below the header lists "Home", "iPods", and "Accessories". The breadcrumb trail indicates the user is at the "Payment" step. The payment form is for MasterCard SecureCode, requiring Cardholder's name, Card number, Expiry date, and Card verification code. A "Yes, I confirm my payment" button is present. To the right of the payment form, there are two sections: "BEST SELLERS" and "SPECIALS". The "BEST SELLERS" section lists three items: 1. iPod shuffle at 66.05 EUR, 2. iPod Nano at 158.07 EUR, and 3. Shure SE210 Sound-isolating Earphones for iPod and iPhone at 124.58 EUR. The "SPECIALS" section shows a discounted item: iPod Nano at 166.00 EUR (now 158.07 EUR). Below these sections is a "OUR STORE(S)!" section featuring an image of a building facade with arched windows and doors, with a link to "Discover our store(s)!".

Figure 6.1: Example: The skin adapts to the layout of your shop.

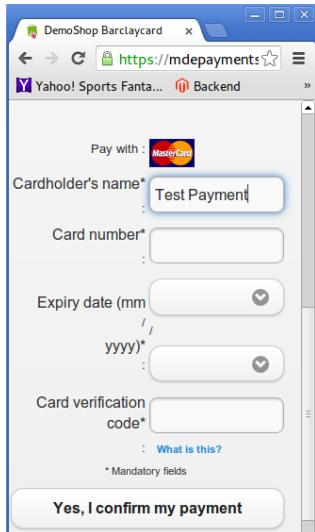


Figure 6.1: Example: Dynamic Template with mobile skin

6.8 OneStepCheckout

The checkout of Magento can be modified and reduced to one step. The so called OnePageCheckout. The sellXed modules support the most important OnePageCheckout extensions. If you are thinking of using a OneStepCheckout extension in combination with the sellXed Barclaycard Magento, please make sure that you are using one of the following:

- OneStepCheckout by www.onestepcheckout.com
- OneStepCheckout by [Ahead Works](#)
- LightCheckout by [GoMage](#)
- FireCheckout by [Templates Master](#)

6.9 Set-up a cron job to activate the timed operations

To activate the timed operations of the plugin (e.g. update service, deleting pending orders, etc.) make sure that you set up the Magento Cron engine. Especially the update function allows you to automatically retrieve additional information or changes of your order directly via the API of Barclaycard. Please note it could be that in order to use the update feature it may be necessary that Barclaycard activates additional options in your account.

The module uses the standard cron engine of Magento. More information regarding the set up can be found [here](#).

Here we suggest you use a Cron Engine like for example [EasyCron](#). That way you can This allows you to open the file (URL) with an external service.

6.10 Magento API Manual

Via API, the sellXed modules provide plenty of information on a transaction. The following section describes which calls are possible and what information is provided.

6.10.1 General Information on Using the API

General information on using the Magento SOAP API can be found here:
<http://www.magentocommerce.com/api/soap/introduction.html>

6.10.2 API Calls

This overview shows the API Versions and which API Calls they support.

6.10.2.1 API V1

- \$client->call(\$session, 'barclaycardcw_transaction.list'); //List of all transactions
- \$client->call(\$session, 'barclaycardcw_transaction.info', {transactionsId}); // Single Transaction

6.10.2.2 API V2

- \$client->barclaycardcwTransactionList(\$session); //List of all transactions
- \$client->barclaycardcwTransactionInfo(\$session, {transactionsId}); //Single Transaction

6.10.2.3 XML-RPC

- \$client->call('call', array(\$session, 'barclaycardcw_transaction.list')); //List of all transactions
- \$client->call('call', array(\$session, 'barclaycardcw_transaction.info', {transactionsId})); //Single Transaction

6.10.2.4 REST

- \$this->callApi('barclaycardcw/transactions'); //List of all transactions
- \$this->callApi('barclaycardcw/transactions/{transactionsId}'); //Single Transaction

7 Magento 2

7.1 Installation / Update of the Extension

In the following, the steps for the installation and the update of the extensions will be explained.

7.1.1 Installation Requirements

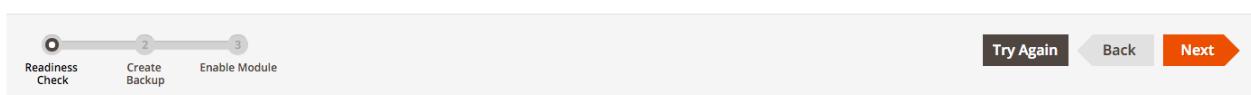
Please note that the following requirements for Magento 2 must be met:

1. System requirements of Magento (
<http://devdocs.magento.com/guides/v2.0/install-gde/system-requirements.html>)
2. The Cron Job needs to be set up correctly, otherwise the extensions can't be installed.
Further information can be found here:
<http://devdocs.magento.com/guides/v2.0/config-guide/cli/config-cli-subcommands-cron.html>

7.1.2 Installation

For the installation of the extension please follow these steps:

1. Download the content of the file **files_2** to the root directory of your server after the purchase.
2. Then click on **System > Web Setup Wizard > Component Manager**. Two modules will appear here (customweb/module-base and customweb/module-Barclaycard or similar). To install the components click on Actions > Enable
3. Start the Readiness Check. Especially make sure that the cron User can write into the relevant directories. Please note that it can take up to 2 minutes until your changes become visible. The cron Job needs to index the file authorization once more. For the set up of the cron you can check out the the manual of Magento:
<http://devdocs.magento.com/guides/v2.0/config-guide/cli/config-cli-subcommands-cron.html>
4. In Step 2 you can create a backup of the configuration and the database which we recommend of course.
5. In the next step click on Enable. The installation process can take a while. You will find the output in the Conse Log.
6. If everything went smoothly you will land on the success page.



Step 1: Readiness Check

- ✓ **Completed!** You can now move on to the next step.
- ✓ **Check Updater Application Availability**
Updater application is available.
- ✓ **Check Cron Scripts**
Cron script readiness check passed.
- ✓ **Check Component Dependency**
Component dependency is correct.
- ✓ **PHP Version Check**
Your PHP version is correct (5.5.30-1~dotdeb+7.1).
- ✓ **PHP Settings Check**
Your PHP settings are correct.
- ✓ **PHP Extensions Check**
You meet 14 out of 14 PHP extensions requirements. [Show detail](#)

Figure 7.1: Readiness Check



Enable Customweb_████████ Status:
Update pending

Console Log

```
[2015-12-10 09:08:06 CET] Job "maintenance_mode {"enable":true}" has been started
[2015-12-10 09:08:06 CET] Magento maintenance mode is enabled.
[2015-12-10 09:08:06 CET] Job "maintenance_mode {"enable":true}" has successfully completed
[2015-12-10 08:09:04 UTC] Job "setup:module:enable {"components":[{"name":"Customweb_████████"}]}" has started
The following modules have been enabled:
- Customweb_████████

To make sure that the enabled modules are properly registered, run 'setup:upgrade'.
Cache cleared successfully.
Generated classes cleared successfully. Please re-run Magento compile command
```

Figure 7.1: Installation Output Magento 2

7.1.3 Update of the Extension

We are constantly striving to improve our software. We publish all the information regarding updates via our RSS feeds. Further information on subscribing can be found here: <https://www.sellxed.com/de/das-update-1x1>

We only recommend an update if something doesn't work in your shop, if you want to use all features or if there is a necessary security update.

If you download a new version of the module in your system please follow these steps:

1. Download the content of the folder **files_2** into the root directory of your server.

2. Then click on **System > Web Setup Wizard > Component Manager**. Two modules will appear (customweb/module-base and customweb/module-Barclaycard or similar). For the installation of the components click on Actions > Update.

7.2 Configuration of the Main Module

You will find the settings of the main module via **Stores > Configuration > Sales > Barclaycard > General**.

Fill in the fields according to the already undertaken configurations in the backend of Barclaycard or with the data which you received directly from Barclaycard. You can find more exact explanations regarding each option in the help text by the input boxes.

Shop																																											
<table border="0"> <tr> <td style="width: 40%;">Kunden Alias Management</td> <td style="width: 20%; text-align: center;"><input type="button" value="Nein"/> </td> <td style="width: 40%; text-align: right;">[STORE VIEW]</td> </tr> <tr> <td colspan="3">Sie können Ihren Kunden gestatten ihre Aliasse auf ihrem Konto zu verwalten/löschen.</td> </tr> <tr> <td>Benachrichtigung abwarten</td> <td style="text-align: center;"><input type="button" value="Nein"/> </td> <td style="text-align: right;">[WEBSITE]</td> </tr> <tr> <td colspan="3">Es kann in einigen Fällen ein paar Sekunden dauern bis die Transaktion erfolgreich genehmigt wird. Wenn diese Option aktiviert ist, wird die Benachrichtigung erwartet.</td> </tr> </table> <hr/>		Kunden Alias Management	<input type="button" value="Nein"/> 	[STORE VIEW]	Sie können Ihren Kunden gestatten ihre Aliasse auf ihrem Konto zu verwalten/löschen.			Benachrichtigung abwarten	<input type="button" value="Nein"/> 	[WEBSITE]	Es kann in einigen Fällen ein paar Sekunden dauern bis die Transaktion erfolgreich genehmigt wird. Wenn diese Option aktiviert ist, wird die Benachrichtigung erwartet.																																
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Figure 7.1: Configuration of the basic module. Please note, that this is an icon and the settings can differ.

7.3 Configuration of the Payment Methods

After having successfully configured the main module, you will find the settings for each payment method in your shop via Stores > Sales > Payment Methods. For each payment method you can change the settings individually to optimize the payment processing in your shop.

7.3.1 Accounting

For each payment method you need to choose whether you want to register directly or delayed. A delayed booking only reserves the amount. Therefore it is important that you follow the instructions for such transactions as listed below. Reservations are usually only valid for a few days so we recommend to register directly. The delayed booking isn't available for every payment method.

7.3.2 Authorization Method

For some payment methods you can choose between different authorization methods. The authorization method determines how the payment form is presented in your shop. Please note that for some authorization methods with credit cards there are extended PCI requirements. (<https://www.sellxed.com/en/blog/pci-300-changes>).

7.4 Refunds

7.4.1 Resolving a Current Magento Bug (v. 2.0.0)

In the 2.x version of Magento there is a bug. Please make the following adjustments to the file `/vendor/magento/module-sales/Model/Order/Payment.php` :

1. Delete the lines in the picture bellow which begin with a - .
2. Add the lines which has been marked with a + .

Method: registerRefundNotification(\$amount)

Diff:

```
$creditmemo->setPaymentRefundDisalloweed(
    true
)->setAutomaticallyCreated(
    true
-
)->register()->addComment(
+
)->addComment(
    __('The credit memo has been created automatically.')
);
```

Figure 7.1: Adjustments so you are able to enter a credit memo.

Here you can find the codes to be inserted in the form of a text:

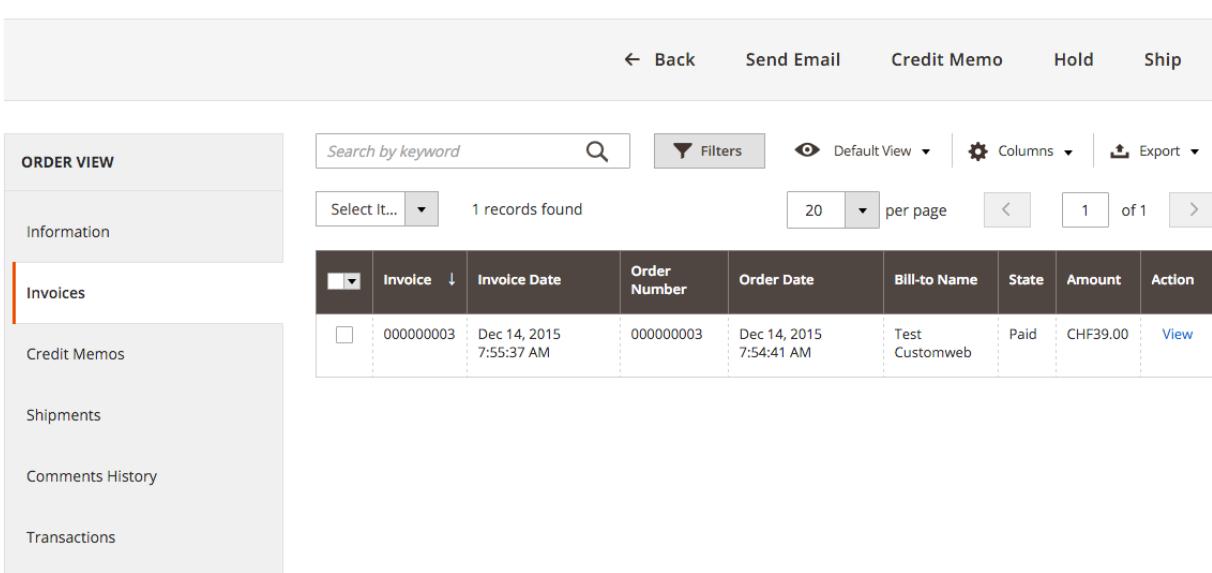
```
+ )->addComment( __('The credit memo has been created automatically.'));
```

7.4.2 Performing Credits

For registered transactions you can create credits and transmit them automatically to Barclaycard . In order to do so open an invoice of an already registered order. By clicking on "Credit Memo" a dialog will open for the refunds. Now you can adjust the number of products which you would like to credit in the credit memo dialogue.

Here you can find each step again including screenshots:

#000000003



The screenshot shows the 'ORDER VIEW' section of the application. On the left, there is a sidebar with links for 'Information', 'Invoices' (which is currently selected), 'Credit Memos', 'Shipments', 'Comments History', and 'Transactions'. The main area displays a table titled 'Search by keyword' with a search icon. Below the search bar are filters, a 'Default View' dropdown, a 'Columns' dropdown, and an 'Export' button. The table has columns for 'Invoice', 'Invoice Date', 'Order Number', 'Order Date', 'Bill-to Name', 'State', 'Amount', and 'Action'. A single record is listed: Invoice 00000003, Invoice Date Dec 14, 2015 7:55:37 AM, Order Number 00000003, Order Date Dec 14, 2015 7:54:41 AM, Bill-to Name Test Customweb, State Paid, Amount CHF39.00, and Action 'View'.

Figure 7.1: 1. Opening the Invoice

New Memo for #000000003

Q B admin ▾
← Back Reset

Order & Account Information

Order # 000000003 (The order confirmation email was sent)

Order Date	Dec 14, 2015, 7:54:41 AM
Order Status	Processing
Purchased From	Main Website Main Website Store Default Store View
Placed from IP	212.90.201.186

Account Information

Customer Name	Guest
Email	info@customweb.com
Customer Group	NOT LOGGED IN

Address Information

Billing Address [Edit](#)

Test Customweb
Teststrasse 2
Zürich, Zug, 8032
Switzerland
T: 555466684

Delivery address [Edit](#)

Test Customweb
Teststrasse 2
Zürich, Zug, 8032
Switzerland
T: 555466684

Figure 7.1: 2. Click on Credit Memo - Important the invoice needs to be opened first.

Refund Totals	
Subtotal	156,00 €
Refund Shipping	5
Adjustment Refund	0
Adjustment Fee	0
Grand Total	161,00 €
<input type="checkbox"/> Append Comments <input type="checkbox"/> <input type="checkbox"/> Email Copy of Credit Memo <input type="checkbox"/> <input checked="" type="checkbox"/> Refund Offline <input checked="" type="checkbox"/> Refund Online	

Figure 7.1: 3. Choose which products you would like to credit and click on Refund Online.

#000000003

admin ▾

← Back Send Email Credit Memo Hold Ship

ORDER VIEW

Select It... ▾

0 records found

20 ▾ per page

< ▾ 1 ▾ >

Credit Memo	Created	Order	Order Date	Bill-to Name	State	Refunded	Action
We couldn't find any records.							

Figure 7.1: Overview of all the credits made

Adjusting the amounts for several refunds

It is possible to issue several credits on one order. Please note that you can't credit more than 100% of the original amount. If you have already issued a credit you will need to make sure you don't credit more than the original amount, by adjusting the amount and the Adjustment Fee.

7.5 Useful Transaction Information on Ordering

In each order, which was processed by a sellXed module, you will find an overview of the most important information on the transaction and transaction history.

Payment & Shipping Method

Payment information



Visa

Transaction ID	14
Authorisation Amount	107
Currency	CHF
Payment period	Visa
Payment ID	h1ElhGAKOSCItAsfE0llbOShnndA
Test Transaction	Yes
Transaction authorised	Yes
Transaction uncertain	No
Transaction paid	Yes
Card Type	Saferpay Test Card
Effective Payment Method Name	SaferpayTestCard
Authorisation Method	PaymentPage
3D Secure	Successful

Dec 14, 2015 11:08:14 AM | Authorization
 The amount of 107.00 is authorized. (Customer sucessfully returned from the Saferpay payment page.)

The order was placed using CHF.

Figure 7.1: Transaction Information.

7.6 Capturing / Cancellation of Orders

7.6.1 Capture Bug in Magento (v. 2.0.0)

In the current version of Magento there is a bug. It could be that invoices cannot be captured. Please make the following adjustments in the file `/vendor/magento/module-sales/Controller/Adminhtml/Order/Invoice/Capture.php`:

1. Delete the lines in the picture bellow which begin with a - .
2. Add the lines which has been marked with a + .

Here you can find the codes to be inserted in the form of a text:

```
+ )->addComment( ___('The credit memo has been created automatically.'));
```

Method: execute()

Diff:

```
try {  
-     $invoiceManagement = $this->_objectManager->get('Magento\Sales\Api\InvoiceManagementInterface');  
-     $invoiceManagement->setCapture($invoice->getEntityId());  
+     $invoice->capture();  
     $invoice->getOrder()->setIsInProcess(true);
```

Figure 7.1: Opening the Invoice

7.6.2 Performing Captures

Please note

The transaction management between Barclaycard and your shop isn't synchronized. When you capture the payments at Barclaycard , the status is not adjusted and a second capture isn't possible in your shop.

In the configuration of the payment method you can decide whether the invoice should be captured after having created it or if only the payment is authorized. You also decide if you already want to create an invoice. If you create an invoice you can't make any adjustments for the capture.

In order to capture invoices please take the following steps:

1. Open the order and create an invoice.
2. If you have set the Invoice Settlement to deferred you can still make adjustments to the invoice.
3. Click on Capture Online.

Invoice Settlement <input style="width: 200px; height: 20px; border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;" type="text" value="Deferred settlement"/> <small>Choose settlement after order in case you want an invoice to be created with your order. The state of the invoice will set according to your capture status.</small>	<small>[WEBSITE]</small>
Customer Address <input style="width: 200px; height: 20px; border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;" type="text" value="No address is sent"/> <small>Should the customer address be sent to Saferpay?</small>	<small>[STORE VIEW]</small>
Capturing <input style="width: 200px; height: 20px; border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;" type="text" value="Deferred"/> <small>Should the amount be captured automatically after the order (direct) or should the amount only be reserved (deferred)?</small>	<small>[STORE VIEW]</small>
Authorisation Method <input style="width: 200px; height: 20px; border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;" type="text" value="Payment Page"/> <small>Select the authorisation method to use in order to process this payment method.</small>	<small>[STORE VIEW]</small>
Alias Manager <input style="width: 200px; height: 20px; border: 1px solid #ccc; padding: 2px; margin-bottom: 5px;" type="text" value="Inactive"/> <small>The alias manager allows the customer to select from a credit card previously stored. The sensitive data is stored by Saferpay.</small>	<small>[STORE VIEW]</small>

Figure 7.1: Capture options

7.7 Trigger payments in the backend of Magento_.

With the Magento payment module you can trigger orders directly from your shop, so called Mail Order / Telephone Order (MOTO).

1. Go to the overview of the order (Sales > Orders) and click on "Create New Order" at the top right.
2. The familiar window to create an order will open. Choose the desired customer, article and address.
3. In the payment method box, choose the desired payment method and click on "Finalize order".
4. After that you will be redirected either to the Payment Page of Barclaycard or you will be asked to enter your payment information in the shop, depending on your settings.

If an alias of the customer exists, you can alternatively use that for the order.

7.8 Use of the Alias Manager / Token Solution

Due to the integration of the Alias Manager, the customers credit card data can be saved for later purchases securely at Barclaycard.

7.8.1 Activating the Alias Manager / Token

In order for you to be able to use this you will need activate the option "Alias Manager" in the payment methods. For later purchases the customer can choose between the cards that have already been saved and won't have to enter all of credit card data again.

Payment

<input type="radio"/> Check / Money order	Order Summary		
<input type="radio"/> Test Payment Method	Cart Subtotal	CHF28.00	
<input checked="" type="radio"/> VISA	Order total	CHF28.00	
Hans Muster Beispielstrasse 1 Zürich, Zürich 8000 Switzerland 044 123 45 67 Edit	2 Items in Cart ^		
 Stored Cards <input type="text" value="xxxxxxxxxx0002"/> <small>You may choose one of your stored cards.</small> Card holder name * <input type="text" value="Hans Muster"/> <small>Please enter the card holder's name.</small> Card number * <input type="text" value="xxxxxxxxxx0002"/> <small>Please enter your card number.</small> Expiry Date * <input type="text" value="05"/> <input type="text" value="2018"/> <small>Select the expiry date of your card.</small> CVC Code * <input type="text"/> <small>Please enter the CVC code from your card. You can find the code on the back of the card.</small>			
Place Order			

Figure 7.1: Alias Manager Transaction

7.8.2 Customers Deleting the Token

In Magento 2 you can allow your customers to manage the aliases in their customer account. You will however have to activate this option in the payment methods.

Your customers can delete aliases from their account in the frontend of the shop. A saved token can be deleted from the customer account view at My Barclaycard Aliases.

Shop 

Customer Alias Management	<input type="text" value="Yes"/> 	[STORE VIEW]
<p>You can allow the customers to manage/delete their aliases in their account.</p>		
Await Notification	<input type="text" value="Yes"/> 	[WEBSITE]
<p>In some cases it may take a few seconds until the transaction is successfully authorized. When this option is enabled, the notification is awaited.</p>		
External Checkout: Guest Checkout	<input type="text" value="Show Account Selection"/> 	[WEBSITE]
<p>When using an external checkout, the customer can either be asked to choose an option to authenticate (as guest, register or login) or he can always be checked out as guest. For the second option to work, guest checkout has to be enabled in Magento.</p>		

Figure 7.1: Activating the Alias Manager for Customers.

8 Testing

Before switching from test to live mode it is important that you test the module extensively. You can find all relevant test credit card data under: <http://www.sellxed.com/de/testen>.

Testing

Do not forget to switch the operating mode from test to live after having successfully tested the module.

8.1 Test Data

In the following section you can find the test data for the various payment methods:

Credit Card

Kartennummer	3750 0000 000 0007	American Express
Expiry Date	12/2018	
CVC	1234	
Kartennummer	5399 9999 9999 9999	Mastercard
Expiry Date	12/2018	
CVC	123	
Kartennummer	4111 1111 1111 1111	VISA (Without 3-D Secure Check)
Expiry Date	12/2018	
CVC	123	
Kartennummer	4000 0000 0000 0002	VISA (With 3-D Secure Check)
Expiry Date	12/2018	
CVC	123	

American Express

Kartennummer	3750 0000 000 0007	American Express
Expiry Date	12/2018	
CVC	1234	

MasterCard

Kartennummer	5399 9999 9999 9999	Mastercard
Expiry Date	12/2018	
CVC	123	

Visa

Kartennummer	4000 0000 0000 0002	VISA (With 3-D Secure Check)
Expiry Date	12/2018	
CVC	123	
Kartennummer	4111 1111 1111 1111	VISA (Without 3-D Secure Check)
Expiry Date	12/2018	

CVC

123

9 Updates and Upgrades

You have direct and unlimited access to updates and upgrades during the duration of your support contract. In order to receive constant information about available updates we ask you to subscribe to our RSS feed that we publish for your module. More information regarding the subscription of this RSS feed can be found under: http://www.sellxed.com/en/updates_upgrades.

9.1 Update Checklist

We ask you to strictly comply with the checklist below when doing an update:

1. Always do a back up for your database and your files in your shop
2. Use always a test system to test the update process.
3. Wait until all the files are copied to the shop, clear the cache if there is one in your shop and then visit the configuration page of the main module so that the update process will be initialized.

Do not do updates directly in the live environment

Please test the update procedure first in your test shop. Our support team is able and willing to help you if you experience problems with the update process. However, if you decide to perform the update directly in your live shop there is the possibility of a downtime of the shop of more than two days depending on the availability of our support if you do not want to book our [complementary support](#).

Depending on the version it could be that the database has to be migrated. We recommend you therefore, to perform the updates in times when the shop is not visited too frequently by your customers

9.2 Update Instructions

Please always read the update instructions (as shown on the screenshot below). They can be found on the plugin page in the shop under the section change log on the lower end of the page. If there are no special remarks, you can proceed by just overwriting the files in your system

Changelog

Version 1.2.108 - BUGFIX

Wed, 16 Jul 2014 09:45:09 +0200

Optimize the transaction data in the database to use less space.

Version 1.2.107 - BUGFIX

Tue, 15 Jul 2014 14:10:19 +0200

- Handling of database transactions improved.
- Refactoring of interfaces
- Make sure that capturing and refunding can be done per line item.

Update Instructions

No reinstallation required

1. Backup files and database.
2. Upload files and overwrite existing files.
3. Make sure that the database migration is executed.

If you are unsure, please contact us for more information about the migration.

Version 1.2.106 - BUGFIX

Wed, 25 Jun 2014 08:25:03 +0200

Set the order status during order initialization.

Figure 9.1: Changelog update instructions.

10 Errors and their Solutions

You can find detailed information under <http://www.sellxed.com/en/faq>. Should you not be able to solve your problem with the provided information, please contact us directly under: <http://www.sellxed.com/en/support>

10.1 Module is not shown

If the module is not shown even though the files have been downloaded onto the server correctly, please check the following:

- The local.xml can be found in the /app/etc directory
- Make sure **disable_local_modules** is set to ,false'

10.2 The Referrer URL appears in my Analytics Tool

When a customer and the notification are redirected via Header Redirection, the Barclaycard Referrer URL might appear in your Analytics Tool thus hiding the original traffic source. However, most Analytic Tools are able to minimize this problem.

In case you are using Google Analytics as reporting tool, this step by step guide may help you to exclude the URLs: [under bullet point 4](#).