

# Installation Manual for First Cash Solution OpenCart

This manual describes the installation and usage of the First Cash Solution extension for OpenCart.

**Release Date:** Mon, 02 Mar 2020 19:46:42 +0100  
**Version:** 1.0.46

customweb GmbH  
General-Guisan-Strasse 47  
CH-8400 Winterthur

E-Mail: [info@customweb.ch](mailto:info@customweb.ch)

Phone:

CH: +41 (0)44 533 15 70

DE: +49 (0)180 3 729 636

UK: +44 (0)2036 086 268

US: +1 (0)650 618 3944

© copyright by customweb GmbH Mon, 02 Mar 2020 19:46:42 +0100

# Table of Contents

<b>1</b>	<b>Introduction .....</b>	<b>5</b>
1.1	Process of the Installation .....	5
<b>2</b>	<b>Configuration of the Payment Module and the Server .....</b>	<b>7</b>
2.1	Configuration of the Payment Module .....	7
<b>3</b>	<b>Module Installation and Update in the OpenCart Shop .....</b>	<b>8</b>
3.1	Installation .....	8
3.2	Updates and Upgrades .....	8
3.2.1	Update Checklist .....	8
3.2.2	Update Instructions .....	9
<b>4</b>	<b>Module Configuration in the OpenCart Shop .....</b>	<b>10</b>
<b>5</b>	<b>OpenCart 1.5.x / 2.0 / 3.0 Installation - Additions .....</b>	<b>11</b>
5.1	Configuration of the Main Module .....	11
5.2	Opencart 2.0 / 3.0 - Refresh Modifications .....	11
5.3	OpenCart 1.0 Specifications .....	11
5.4	Configuration of the Payment Module .....	11
5.5	Shop ID .....	11
5.6	Order Prefix .....	11
5.7	Selecting the Authorisation Method .....	12
5.8	Direct Capturing of Transactions .....	12
5.9	Uncertain Status Status .....	12
5.10	Optional: Validation .....	12
5.11	Multi-Shop Set-Up .....	13
<b>6</b>	<b>Settings / Configuration of Payment Methods .....</b>	<b>15</b>
6.1	General Information About the Payment Methods .....	15
6.2	Information on Payment Status .....	15
6.2.1	Order status "pending" / imminent payment (or similar) .....	15
6.2.2	Order status "cancelled" .....	15
6.3	Payment Methods .....	16
6.4	MasterPass Integration: What to keep in mind .....	16
6.4.1	Integration Possibilities for MasterPass .....	16
6.4.2	Checkout: MasterPass Learn More Button .....	17
6.4.3	Additional information .....	18

<b>7</b>	<b>The Module in Action</b>	<b>19</b>
7.1	Useful Transaction Information on the Order	19
7.2	Using invoice details of a processor	19
7.2.1	OpenCart Order confirmation (E-Mail)	19
7.2.2	OpenCart Invoice (PDF)	19
7.2.3	OpenCart-Backend (Transaction details)	20
7.2.4	OpenCart Success-Page	20
7.3	Usage of the Alias Managers / Token Solution	20
7.4	Capturing / Cancelling of Orders	21
7.4.1	Capturing Orders	21
7.4.2	Cancel Orders	22
7.5	Refunding Orders	22
7.6	Set-up a cron job to activate the timed operations	23
<b>8</b>	<b>Testing</b>	<b>24</b>
8.1	Test Data	24
8.2	Testing - First Cash Solution Simulation Mode	26
<b>9</b>	<b>Errors and their Solutions</b>	<b>27</b>
9.1	The Referrer URL appears in my Analytics Tool	27
<b>10</b>	<b>Compatibility with Third-Party Plugins</b>	<b>28</b>
10.1	Birthday and gender in OpenCart	28
<b>11</b>	<b>Error Logging</b>	<b>29</b>
11.1	Log Levels	29
11.2	Log Location	29
<b>12</b>	<b>Advanced Information</b>	<b>30</b>
12.1	Transaction Object	30

# 1 Introduction

This manual explains the installation, configuration and usage of the payment module for OpenCart and First Cash Solution.

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

- You should have received a Merchant ID from First Cash Solution for the test account. Furthermore, you have received the corresponding user name and password
- Encryption password and HMAC-Key
- An Analytics Password which you require for logging into First Cash Solution Analytics
- OpenCart payment module by [sellxed.com/shop](https://sellxed.com/shop)
- Access data to your server and shop

In case you don't yet have a contract with First Cash Solution, you can gladly acquire it directly through us.

## 1.1 Process 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 check-list. Only by doing so, can a secure usage in correspondence with all security regulations be guaranteed.

1. Basic configuration of the server including the setting up of the notify script
2. Configuration of the basic settings of the payment module
3. Configuration of the payment methods
4. Carrying out of a test purchase with the attached [test data](#) at the end of this document
5. If the test was successful, your account can be activated

## Installation Service

Our payment plugins should have per default the correct settings for most of our customers' preferences. That means once you have entered the required credentials in the plugin configuration to connect your account to your website, the plugin should be fully operational. Should you be willing to receive detailed informations on a setting you do not know, you may contact our support team who will be able to assist you further.

Our support team is at your disposal during regular business hours at: <http://www.sellxed.com/support>. Furthermore, you have the option of ordering our installation service. We will make sure the plugin is installed correctly in your shop: <http://www.sellxed.com/shop/de/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 First Cash Solution might not get through to the shop.

## 2 Configuration of the Payment Module and the Server

In order to perform the configuration of the [main module](#) of OpenCart, the following information is necessary. You should have received the information from First Cash Solution.

- First Cash Solution Live Merchant ID
- First Cash Solution Live Encryption Key
- First Cash Solution Live Signature Passphrase

Enter the credentials directly inside the configuration of the [main module](#). After you performed some test payments, you can switch between Live Mode and Test Mode.

### 2.1 Configuration of the Payment Module

For the usage of the gateway in your shop, fill in all received access data at its corresponding place in the [main module](#) and in the [payment methods](#).

#### Hidden Mode

Please Note if you use hidden this poses additional PCI requirements to your shop that have to be met. Get in touch with First Cash Solution to get additional information.

Also if you use Hidden in your Module please advise First Cash Solution that they are able to configure your paynow settings accordingly.

## 3 Module Installation and Update in the OpenCart Shop

### 3.1 Installation

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. Download the plugin. The download can be found in your sellxed.com account under "My Downloads".
2. Unzip the archive you have just downloaded.
3. In the unzipped folder navigate to the folder "files"
4. For some shops there are different versions of the plugin provided. If this is the case open the folder which corresponds to your shops version.
5. Using your preferred FTP client upload **entire content** of this folder into the root directory of your shop. For some shops there is a specific folder containing the plugins. If thats the case upload the plugin into this folder. Make sure that the folders aren't replaced but merely merged.
6. If you haven't yet done so, log back into your shop.

### 3.2 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](http://www.sellxed.com/en/updates_upgrades)

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

#### 3.2.1 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

### 3.2.2 Update Instructions

Please always read the update instruction. 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

## 4 Module Configuration in the OpenCart 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.

## 5 OpenCart 1.5.x / 2.0 / 3.0 Installation - Additions

All our modules are compatible with OpenCart 2.0. If you use OpenCart 2.0 upload all the files in the folder files\_2.x to the root folder of your shopping cart. In case you are using OpenCart 1.5.x as basis you should use the folder files\_1.x

In order to guarantee smooth operations and the usage of all features please make sure that you follow the instructions below.

### 5.1 Configuration of the Main Module

You will find the settings for the main module under "**Extension > Modules > First Cash Solution Base Module**". Install the module by clicking **Install**.

By clicking **Edit** you can configure the main module. Enter all data in the corresponding fields. The required data has either already been saved in the back-end of First Cash Solution has been sent to you by First Cash Solution. Each option is, furthermore, explained in short info texts in the shop.

### 5.2 Opencart 2.0 / 3.0 - Refresh Modifications

In case you are using OpenCart 2.0 you will have to refresh the modifications. Go to **Module > Modifications**. and click on the refresh button in the top right corner. Make sure that the folder system > modification is writable.

### 5.3 OpenCart 1.0 Specifications

In case you are using OpenCart 1.0 you should make sure that you use VQMOD in order to be able to use the whole set of functionalities. More Information about the project and the installation can be found under: <https://github.com/vqmod/vqmod/wiki/Installing-vQmod-on-OpenCart>

### 5.4 Configuration of the Payment Module

After having successfully configured the main module, you can find the settings for the individual payment methods in your shop under **Extensions > Payments**. Each payment method is listed individually. Install the payment methods you wish to offer to your customers. You can carry out 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.

By clicking on **Install** the payment method is activated in your shop. Click **Edit** in order to modify the configuration of the payment method.

### 5.5 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 First Cash Solution based on the shop ID.

## 5.6 Order Prefix

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

## 5.7 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 First Cash Solution 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 First Cash Solution for further information or switch to another authorization method.

## 5.8 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 then 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 First Cash Solution and the module

It may be that settings saved in the payment modules overwrite settings saved in First Cash Solution.

## 5.9 Uncertain Status Status

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

## 5.10 Optional: Validation

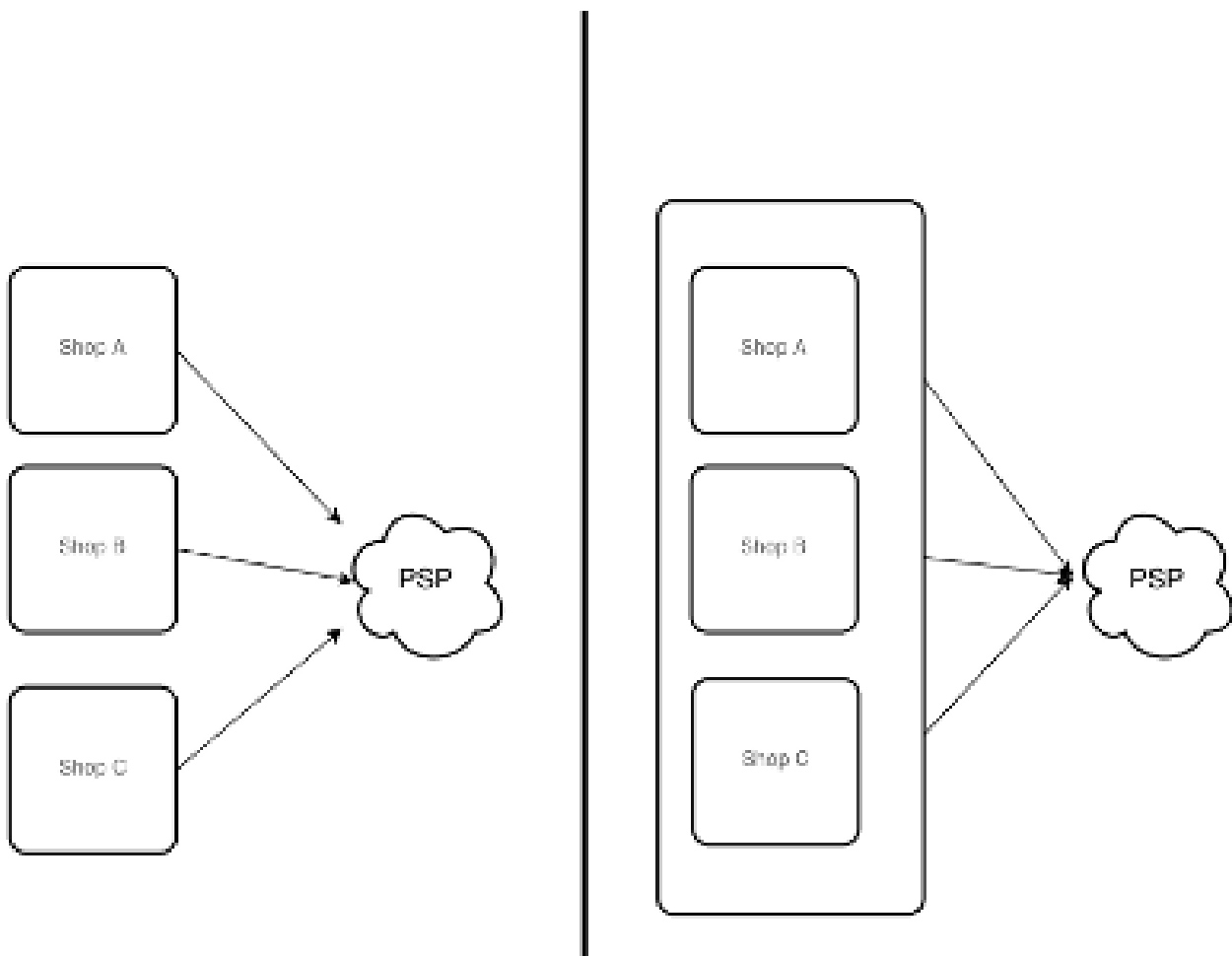
Note: It can be that this option is not visible in your module. In this case just ignore this section.

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 First Cash Solution during the authorisation process. The payment method is displayed in any case

## 5.11 Multi-Shop Set-Up

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



**Figure 5.1:** 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.

## 6 Settings / Configuration of Payment Methods

### 6.1 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 First Cash Solution 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.

### 6.2 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 info regarding Order Status

Never set the status to **Pending First Cash Solution** or any similar pending status which is implemented by the module.

#### 6.2.1 Order status "pending" / imminent payment (or similar)

Orders with the status 'pending First Cash Solution' 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 First Cash Solution are being blocked. In this case check the settings of your firewall and ask the Hoster to activate the IPs and User Agents of First Cash Solution.

#### 6.2.2 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.

## 6.3 Payment Methods

The modules differentiate between the standard and the professional version. In the professional version, all payment methods available for First Cash Solution are integrated. With the standard version, however, you only receive the most common payment methods. Should a desired payment method not be available, please contact us directly.

## 6.4 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 First Cash Solution.

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

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

### 6.4.1 Integration Possibilities for MasterPass

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

#### 6.4.1.1 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.

#### 6.4.1.2 MasterPass as External Checkout

If you integrate MasterPass as an external Checkout, you can minimize the steps towards the payment radically. The address 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 **Extensions > Modifications > Modules > First Cash Solution Base Module > Edit > More** . There you'll find all settings for the external checkout:



Scope der Konfiguration:  
Standardkonfiguration  
[Shops verwalten](#)

**PSP**

Über

**Externer Checkout**

**MasterPass**

Active *	<input checked="" type="checkbox"/> Active ▲ Markieren Sie dieses Feld um den externen Checkout zu aktivieren.	[STORE VIEW]
Sort Order *	<input type="text" value="0"/> ▲ Legen Sie die Reihenfolge fest, in der externe Checkouts angezeigt werden sollen.	[STORE VIEW]
Minimal Order Total *	<input type="text"/> ▲ Define a minimal order total for this checkout to be available.	[STORE VIEW]
Maximal Order Total *	<input type="text"/> ▲ Define a maximal order total for this checkout to be available.	[STORE VIEW]

**Figure 6.1:** 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.

## 6.4.2 Checkout: MasterPass Learn More Button

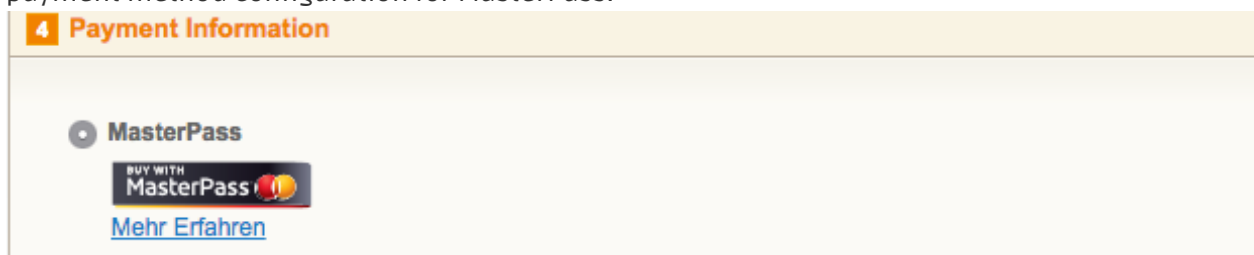
When using MasterPass as a payment method for standard checkout, it is mandatory to link to the MasterPass Learn More Page. In order to do this, navigate to [Payment Method Configuration](#). Paste the link for the Learn More Page into the field 'Description' for the respective languages. The field 'Learn 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](https://www.mastercard.com/mc_us/wallet/learnmore/de/DE/)
- French: [apprendre plus](https://www.mastercard.com/mc_us/wallet/learnmore/fr/FR/)
- English: [Learn More](https://www.mastercard.com/mc_us/wallet/learnmore/en/DE/)
- Spanish: [aprender más](https://www.mastercard.com/mc_us/wallet/learnmore/en/ES/)
- Italian: [saperne di più](https://www.mastercard.com/mc_us/wallet/learnmore/it/IT/)
- Dutch: [Leer Meer](https://www.mastercard.com/mc_us/wallet/learnmore/nl/NL/)

Aktiviert	<input type="text" value="Aktiviert"/>	[STORE VIEW]
	▲ Diese Zahlungsmethode aktivieren	
Titel	<input type="text" value="MasterPass"/>	[STORE VIEW]
	▲ Name der Zahlungsmethode	
Beschreibung	<pre>&lt;a href="https://www.mastercard.com/mc_us/wallet/learnmore/de/DE/" target="_blank"&gt;Mehr Erfahren&lt;/a&gt;</pre>	[STORE VIEW]
	▲ Beschreibung der Zahlungsmethode	

**Figure 6.1:** Example for entering a description (Magento). These settings are to be found in the payment method configuration for MasterPass.



**Figure 6.1:** The Learn More Page link should appear in the frontend.

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

### 6.4.3 Additional information

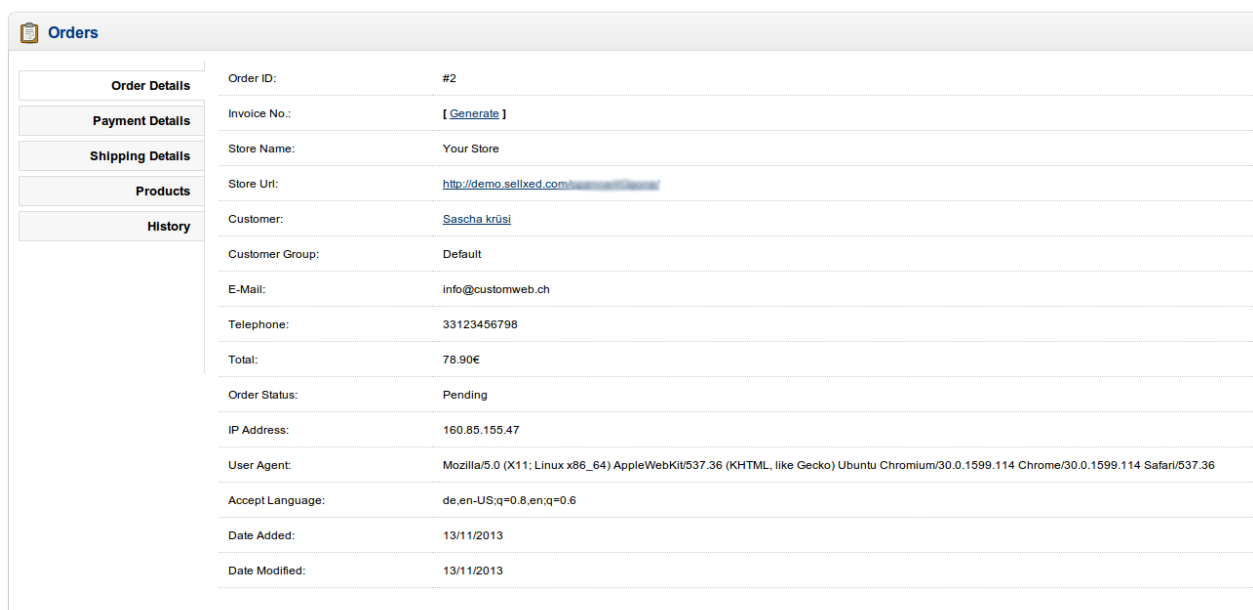
General and additional information on using the MasterPass trademark and logo in your webshop are available in the official MasterPass Merchant Branding Requirement Document, which you can access here: <https://developer.mastercard.com/...>

## 7 The Module in Action

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

### 7.1 Useful Transaction Information on the Order

You can find an overview over all the most important information of a transaction in all orders that have been processed with the sellxed module. Among others, this information allows for the definite attribution of the orders to their corresponding transaction, seen in the back-end of First Cash Solution.



The screenshot shows the 'Orders' section in OpenCart. On the left, there is a sidebar with tabs for 'Order Details', 'Payment Details', 'Shipping Details', 'Products', and 'History'. The main content area displays the details for Order ID #2. The information is organized into a table-like structure with labels on the left and values on the right.

Order ID:	#2
Invoice No.:	[ <a href="#">Generate</a> ]
Store Name:	Your Store
Store Url:	<a href="http://demo.sellxed.com/">http://demo.sellxed.com/</a>
Customer:	<a href="#">Sascha Krüsi</a>
Customer Group:	Default
E-Mail:	info@customweb.ch
Telephone:	33123456798
Total:	78.90€
Order Status:	Pending
IP Address:	160.85.155.47
User Agent:	Mozilla/5.0 (X11; Linux x86_64) AppleWebKit/537.36 (KHTML, like Gecko) Ubuntu Chromium/30.0.1599.114 Chrome/30.0.1599.114 Safari/537.36
Accept Language:	de,en-US;q=0.8,en;q=0.6
Date Added:	13/11/2013
Date Modified:	13/11/2013

Figure 7.1: Transaction Information in OpenCart.

### 7.2 Using invoice details of a processor

In the following context you can view or embed the "payment details" of for example an "Open Invoice" transaction:

#### 7.2.1 OpenCart Order confirmation (E-Mail)

The "payment information" will be visible in the default "order confirmation e-mail" of OpenCart.

#### 7.2.2 OpenCart Invoice (PDF)

This feature is not available by default in OpenCart that's why it can not be supported by the payment gateway module.

### 7.2.3 OpenCart-Backend (Transaction details)

You can view the payment and transaction details in OpenCart under **Sales > First Cash Solution Transactions**. If you can not find this menu point you have to clear the OpenCart modifications under **Extensions > Modifications >**.

<b>Authorization Type</b>	PaymentPage	<a href="#">New Authorization</a>
<b>Order Status</b>	authorized	
<b>Recurring</b>	No	
<b>Created At</b>	2017-03-06 15:22:26	
<b>Updated At</b>	2017-03-06 15:22:45	
<b>Alias Active</b>	Yes	
<b>Authorisation Amount</b>	20.3	
<b>Currency</b>	EUR	
<b>Payment Method</b>	Open Invoice	
<b>Payment ID</b>	3571832	
<b>Test Transaction</b>	Yes	
<b>Transaction authorised</b>	Yes	
<b>Transaction uncertain</b>	No	
<b>Transaction paid</b>	Yes	

#### Transaction History

Date	Action	Message
2017-03-06 15:22:45	authorization	The amount of 20.30 is authorized.

#### Payment Information ⓘ

<b>HTML</b>	Bank: Customweb Test Bank Account Holder: Customweb GmbH IBAN: DE2501200000TEST000000000003 BIC: TESTBIC0003 Reference Number: BP3571832/2749
<b>TEXT</b>	Bank: Customweb Test Bank Account Holder: Customweb GmbH IBAN: DE2501200000TEST000000000003 BIC: TESTBIC0003 Reference Number: BP3571832/2749

Figure 7.1: Transaction details within OpenCart.

### 7.2.4 OpenCart Success-Page

Due to technical limitations, it is currently not possible to display the "payment information" here.

## 7.3 Usage of the Alias Managers / Token Solution

With the Alias Manager, your customers can securely save their credit cards with First Cash Solution 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.

Use Stored Card

Card Holder Name\*   
Please enter here the card holder name on the card.

Card Number\*   
Please enter here the number on your card.

Card Expiration\*    
Select the date on which your card expires.

CVC Code\*   
Please enter here the CVC code from your card. You find the code on the back of the card.

**Figure 7.1:** Alias Manager

## Alias Manager Options

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

## 7.4 Capturing / Cancelling of Orders

### 7.4.1 Capturing Orders

In order to capture orders, open the transaction manager under Sales > First Cash Solution Transactions. Here you will find an overview over all transactions. Search for the order in the field with the order numbers. By clicking "view" you will open the transaction of the order.

#### 7.4.1.1 Capturing Complete Orders or Partial Capturing

By clicking the button "Capture Transaction" a new window opens up. You can now capture every item individually in case you do not wish to send all items at once. The amount of possible partial captures depends on your contract. Please contact First Cash Solution directly in order to clarify questions.

### Capturing of Orders in the Back-End of First Cash Solution

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

In case you do not wish to capture all items of an order, you can close the transaction by clicking the box.

**PARTIAL CAPTURE**

With the following form you can perform a partial capture.

Name	SKU	Type	Tax Rate	Quantity	Total Amount (excl. Tax)	Total Amount (incl. Tax)
iPhone	product 11	product	0 %	<input type="text" value="1"/>	<input type="text" value="74.24"/>	<input type="text" value="74.24"/>
Flat Shipping Rate	shipping	shipping	0 %	<input type="text" value="1"/>	<input type="text" value="3.68"/>	<input type="text" value="3.68"/>
Total Capture Amount:						77.91 EUR

Close transaction for further captures

[Capture](#)

Figure 7.1: Capturing of Orders

**Partial Capturing**

Please find out if the capturing of partial amounts is supported by your First Cash Solution contract. If this is not the case, it might happen that the transaction is closed for further transactions after a partial capture.

## 7.4.2 Cancel Orders

By clicking "Cancel Transaction", the transaction is **cancelled** and the reserved amount on your customer's card is released automatically.



Figure 7.1: Capture or Cancel in OpenCart.

## 7.5 Refunding Orders

In order to refund orders, open the transaction information (cf. above).

You can refund individual items or any amount of your choice by modifying the total amount or the item quantity.

## PARTIAL REFUND

With the following form you can perform a partial refund.

Name	SKU	Type	Tax Rate	Quantity	Total Amount (excl. Tax)	Total Amount (incl. Tax)
iPhone	product 11	product	0 %	<input type="text" value="1"/>	<input type="text" value="74.24"/>	<input type="text" value="74.24"/>
Flat Shipping Rate	shipping	shipping	0 %	<input type="text" value="1"/>	<input type="text" value="3.68"/>	<input type="text" value="3.68"/>
Total Refund Amount:						77.91 EUR

Close transaction for further refunds

[Refund](#)

**Figure 7.1:** Refunds in OpenCart for First Cash Solution.

### Maximal Refund

With our sellxed modules it is not possible to refund more than 100% of the originally authorised amount.

## 7.6 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 OpenCart Cron engine. Especially the update function allows you to automatically retrieve additional information or changes of your order directly via the API of First Cash Solution. Please note it could be that in order to use the update feature it may be necessary that First Cash Solution activates additional options in your account.

In order to use the timed operations, please schedule a cron job in your server to the following controller:

<https://www.your-shop.com/index.php?route=fcsolutioncw/cron/cron>

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.

## 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

Card number	5399999999999999	Mastercard
Expiry Date	12/2020	
CVC	123	
Card number	4900000000000003	Visa
Expiry Date	12/2020	
CVC	123	

#### Credit Card (Be2Bill)

Card number	5399999999999999	Mastercard
Expiry Date	12/2020	
CVC	123	
Card number	4900000000000003	Visa
Expiry Date	12/2020	
CVC	123	

#### PayU CEE

Card number	4355084355084358	Visa
Expiry Date	12/2020	
CVC	000	

#### Open Invoice

Procedure	Use any valid German address. The first two attempts are successful. The third will fail.	BillPay
Company	Must be empty	BillSAFE: Accepted
Firstname	Paul	
Lastname	Positiv	
Street	Teststr. 4	
Post Code	49084	



City	Osnabrück	
Phone	095198009	
Test Data	http://developers.klarna.com/en/testing/invoice-and-account	Klarna
Customer ID	customer1	Paymorrow: Accepted
Company	Must be empty	
Gender	FEMALE	
Firstname	Julia	
Lastname	Tester	
Street	Aalener Str. 57	
Post Code	73492	
City	Rainau	
Country	DE	
Phone	07361889969	
E-Mail	customerEmail@domain.com	
Birthday	1987-10-25	
Last Name	Wischnewski	RatePay: B2C
First Name	Hans-Jürgen	
Birthday	1973-12-27	
Street	Müllerstraße 137	
Postcode	13353	
City	Berlin	
Country	DE	
Phone	03018425165	
Company Name	Imperium UG	RatePay: B2B
Sales Tax Number	DE123456789	
Last Name	Descartes	
First Name	René	
Birthday	1973-12-27	
Street	Odeonplatz 1	
Postcode	80539	
City	München	
Country	DE	
Phone	08945687541	

**Direct Debits**

		Direct
Last Name	Wischnewski	RatePay: B2C
First Name	Hans-Jürgen	
Birthday	1973-12-27	
Street	Müllerstraße 137	
Postcode	13353	
City	Berlin	
Country	DE	
Phone	03018425165	

Company Name	Imperium UG	RatePay: B2B
Sales Tax Number	DE123456789	
Last Name	Descartes	
First Name	René	
Birthday	1973-12-27	
Street	Odeonplatz 1	
Postcode	80539	
City	München	
Country	DE	
Phone	08945687541	
BIC	BYLADEM1ROS	InterCard: Accepted
IBAN	DE36711500000009290701	
Customer ID	customer1	Paymorrow: Accepted
Company	Must be empty	
Gender	FEMALE	
Firstname	Julia	
Lastname	Tester	
Street	Aalener Str. 57	
Post Code	73492	
City	Rainau	
Country	DE	
Phone	07361889969	
E-Mail	customerEmail@domain.com	
Birthday	1987-10-25	

## 8.2 Testing - First Cash Solution Simulation Mode

Any kind of payment method can be tested with our modules. The "Operation Mode" corresponds to the simulation mode with First Cash Solution. Payments with a total of less than 10'000 EUR are always accepted.

## 9 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>

### 9.1 The Referrer URL appears in my Analytics Tool

When a customer and the notification are redirected via Header Redirection, the First Cash Solution 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](#).

## 10 Compatibility with Third-Party Plugins

The plugins listed below are compatible with our payment modules and allow you to handle certain tasks in a easier way.

### 10.1 Birthday and gender in OpenCart

For certain payment service providers it is necessary to check the birthday an the gender of a customer. OpenCart does not check this by default.

#### How to enable gender and birthday checks in your shops checkout

1. Add two new custom fields to your checkout via your shops backend under "Customers > Custom Fields"
2. Modify the order context getters to return the value of your custom checkout field from the order / session (or wherever the previous step saves the data).

##### Order Context Getters

- AbstractOrderContext
- getBillingDateOfBirth()
- getBillingGender()

These functions can be found in "system/library/cw/FCSolution /AbstractOrderContext.php".

## 11 Error Logging

The module will log different unexpected errors or information depending on the configured level. If there is any issue with the module, this log can help identify the cause.

### 11.1 Log Levels

You can configure the log level in the First Cash Solution settings.

- Error: Logs unexpected errors only. (Default)
- Info: Logs extended information.
- Debug: Logs information helpful for debugging.

### 11.2 Log Location

The log file is stored in the default log folder of OpenCart. The path is configured in the config.php of your shop system. (Default Path: {shopRootDirectory}/system/logs or {shopRootDirectory}/system/storage/logs)

## 12 Advanced Information

This section of the manual is for advanced usage of the module. The content is for advanced users with special requirements. Everything in this section is optional and not required for the daily usage of the module.

### 12.1 Transaction Object

This section describes how to extract information from a transaction, if you need it for further processing. E.g. You require more information of the transaction for further processing an order in your erp system.

The code snippets in this section assume your script resides in the root folder of the shop with the default shop folder structure.

In your script initialize the base of OpenCart.

#### Opencart 1.x

```
require_once('config.php');

require_once(DIR_SYSTEM . 'startup.php');

require_once(DIR_SYSTEM . 'library/customer.php');
require_once(DIR_SYSTEM . 'library/affiliate.php');
require_once(DIR_SYSTEM . 'library/currency.php');
require_once(DIR_SYSTEM . 'library/tax.php');
require_once(DIR_SYSTEM . 'library/weight.php');
require_once(DIR_SYSTEM . 'library/length.php');
require_once(DIR_SYSTEM . 'library/cart.php');

$registry = new Registry();
$loader = new Loader($registry);
$registry->set('load', $loader);
$config = new Config();
$registry->set('config', $config);
$db = new DB(DB_DRIVER, DB_HOSTNAME, DB_USERNAME, DB_PASSWORD,
DB_DATABASE);
$registry->set('db', $db);
```

#### Opencart 2.x

```
require_once('config.php');
require_once(DIR_SYSTEM . 'startup.php');
// Registry
$registry = new Registry();

// Config
```

```
$config = new Config();
$config->load('default');
$config->load('catalog');
$registry->set('config', $config);
$loader = new Loader($registry);
$registry->set('load', $loader);
$registry->set('db', new DB($config->get('db_engine'), $config->get('db_hostname'), $config->get('db_username'), $config->get('db_password'), $config->get('db_database'), $config->get('db_port')));
```

### Opencart 3.x

```
require_once('config.php');
require_once(DIR_SYSTEM . 'startup.php');
// Registry
$registry = new Registry();

// Config
$config = new Config();
$config->load('default');
$config->load('catalog');
$registry->set('config', $config);
$loader = new Loader($registry);
$registry->set('load', $loader);
$registry->set('db', new DB($config->get('db_type'), $config->get('db_hostname'), $config->get('db_username'), $config->get('db_password'), $config->get('db_database'), $config->get('db_port')));
```

Include the module specific files and set registry.

```
require_once DIR_SYSTEM.'library/cw/init.php';
require_once DIR_SYSTEM.'library/cw/FCSolutionCw/Util.php';
require_once DIR_SYSTEM.'library/cw/FCSolutionCw/Entity/Transaction.php';
FCSolutionCw_Util::setRegistry($registry);
```

Now you can load the transaction and then extract the transactionObject.

Load the transaction by Id:

```
$transactionById = FCSolutionCw_Entity_Transaction::loadById($transactionId);
$transactionObject = $transactionById->getTransactionObject();
```

Load transactions by Order ID:

```
$transactionsByOrderId = FCSolutionCw_Entity_Transaction::getTransactionsByOrderId($orderId);
foreach($transactionsByOrderId as $transaction){
    $transactionObject = $transaction->getTransactionObject();
    //Do something with each object
}
```

