Payment module integration for Ubercart

Contents

1. RELEASE NOTES

Version	Date	Comment
2.1	9/25/2019	Initial version.

2. MODULE FEATURES

The payment module offers the following functionalities:

- Immediate payment

- Payment in installments with the possibility to offer several options (2, 3, 4 installments, etc.)

- Compatibility with Ubercart version 7.x-3.x

- Multi-language compatibility

- Multi-currency compatibility

- Custom 3D Secure depending on the order amount

- Automatic redirection to the shop once the payment is made

- Definition of a minimum/maximum amount for each payment type

- Systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL)

3. READ CAREFULLY BEFORE GOING ANY FURTHER
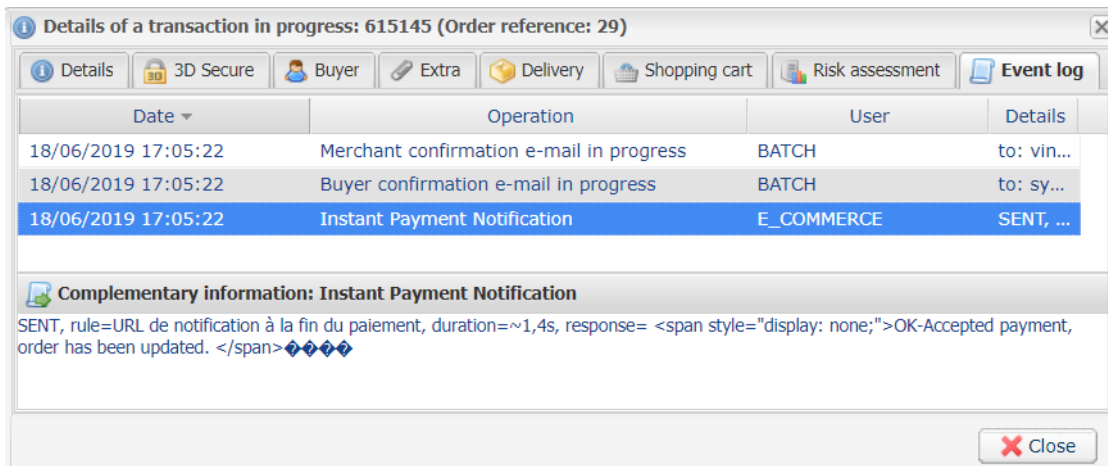
The most frequent error concerns the Instant Payment Notification URL. The Instant Payment Notification URL is the only way the Lyra Collect gateway can notify you at the end of your payment. The chapter **Setting up the end of payment notification** must be read thoroughly and the provided instructions must be respected.

Frequent errors:

- **Your Ubercart shop is in maintenance mode**

- **Your Instant Payment Notification URL is protected by an .htaccess file**

- **You have blocked the IP addresses of the payment gateway**

- **You have not encoded the notification URL in the Expert Back Office**

How to check that the Instant Payment Notification URL has been called:

Via the Expert Back Office, display the payment details (double click), then go to the "**Event log**" tab.

4. PREREQUISITES

Before integrating the payment module, please make sure that you are in possession of the following elements:

- **Payment module file**: Lyra_Ubercart_7.x-3.x_v2.1.x.zip
- **Your shop ID**
- **Test or production key**

The Shop ID and the keys are available in the Expert Back Office (menu: **Settings** > **Shop** > **Keys**)
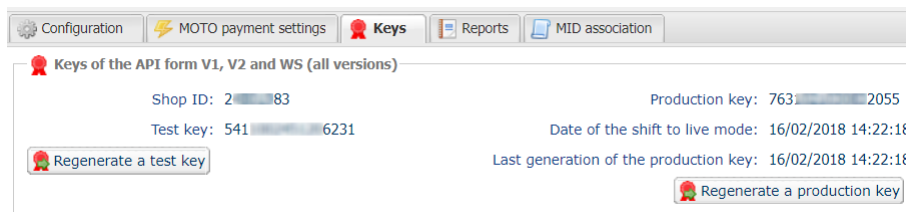
Reminder, your Expert Back Office is available at this address:

https://secure.lyra.com/portal/

Click "**Other actions**" and sign into your Expert Back Office.

WARNING: all our payment modules are tested with a minimal PHP version, this version can be accessed via our online document archive:

If you have an older version, we invite you to contact the technical manager in charge of your site so that he updates the PHP version of the server. Thus, our support service will be able to assist you if you encounter a problem with our module.

Please note that the 7.0 version is no longer supported by PHP: *http://php.net/supported-versions.php*

5. INSTALLING AND CONFIGURING THE PAYMENT MODULE

5.1. Installing the payment module

1. Unzip the **Lyra_Ubercart_7.x-3.x_v2.1.x.zip** file.

2. Copy the **uc_lyra** directory and paste it in the **sites/all/modules/ubercart/payment** directory of your site.

5.2. Activating the payment module

1. Go to the **Modules** menu of your Drupal Back Office.

2. Look for the Lyra module located in the **UBERCART - PAIEMENT** section.

3. Verifies that the **Enabled** box is checked, if it is not, checks the box and clicks on the **Save the configuration** button then on **Continue** button.

5.3. Translating the module

To import the module translation files, you must:

1. Go to the **Configuration** menu of your Drupal Back Office.

2. Click **Translate Interface** in the **Regionalization and Language** section.

3. Select the **Import** tab.

4. Click the browse button and look for the **uc_lyra.xx.po** file in the payment module. The file is in the uc_lyra directory of the payment module.

   xx is the translation language you want to add, for example fr for French.

5. Click on the **Import** button.

5.4. Configuring the payment module

1. Go to **Shop** > **Payment Methods** menus.

2. The list of payment methods is displayed, click on **Lyra - One-time payment** for one-time payment or **Lyra - Payment in installments** for payment in installments.

5.4.1. General configuration

Access to the payment gateway	
Shop ID	Indicate the 8-digit shop ID, available in your Expert Back Office (Menu: **Settings** > **Shop** > **Keys**).
Test key	Specify the test key available via your Expert Back Office (Menu: **Settings** > **Shop** > **Keys**).
Production key	Specify the production key available in your Expert Back Office (Menu: **Settings** > **Shop** > **Keys**).
Mode	Allows to indicate the operating mode of the module (**TEST** or **PRODUCTION**). The PRODUCTION mode becomes available only after the test phase has been completed. The TEST mode is always available.
Signature algorithm	Algorithm used to compute the signature of the payment form. The algorithm must be the same as the one configured in the Expert Back Office (**Settings** > **Shop** > **Keys**). If the algorithm is different, the parameter will have to be modified via the Expert Back Office.
Instant Payment Notification URL	URL to copy in your Expert Back Office (**Settings** > **Notification rules** > **Instant Payment Notification URL at the end of the payment** > **Instant Payment Notification URL of the API form V1, V2** menu). For more information, see the chapter and the sub-chapters on **Configuring the notification URL**.
Payment page URL	This field is pre-populated by default: *https://secure.lyra.com/vads-payment/*

Payment page	
Default language	This option allows to choose the default language of the payment page in case the language of Ubercart is not supported by Lyra Collect. If the language(s) used by the Ubercart is (are) implemented into Lyra Collect, the payment page will be displayed in the language of Ubercart when the buyer clicks on "Pay".
Available languages	Allows to customize the language displayed on the payment page. The buyer will be able to select a language when he or she is redirected to the payment page. If you do not select any language, all languages will be displayed on the payment page. To select a language, press and hold the "Ctrl" key and click on the desired languages. <u>Available languages</u>: German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.
Capture delay	Indicates the delay (in days) before the capture. By default, this parameter can be configured in your Expert Back Office (menu: **Settings** > **Shop** > **Configuration** - section: Capture delay). It is recommended to not populate this parameter.
Validation mode	***Back Office configuration:*** Recommended value. Allows to use the configuration defined in the Expert Back Office (menu: Settings > Shop > Configuration section: validation mode). ***Automatic:*** This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part.

Payment page	
	Manual: This value indicates that the transactions will require manual validation by the merchant via the Expert Back Office. Warning: if the transaction is not validated by the merchant before the expiration date of the authorization request, it will never be captured in the bank. Remember to configure the **Instant Payment Notification rule on an operation coming from the Back Office** to update the order status in Ubercart.
Card types	This field allows to select the cards logo to be displayed on the payment page. Warning: The payment types offered to the buyer on the payment page depend on the contracts and options associated with your Lyra Collect offer. It is recommended to leave this parameter empty.

Custom 3DS	
Managing 3DS	Allows to request authentication without interaction (frictionless). Requires the **Frictionless** 3DS2 option. • For payments made in euro, if the amount is lower than €30, a request for frictionless is transmitted to the DS. **If the request for frictionless is accepted by the issuer, the merchant loses the payment guarantee.** • For payments made in euros, if the amount is greater than €30, the value transmitted by the merchant is ignored and the management of cardholder authentication is delegated to the gateway. • For payments made in a currency other than euro, a request for frictionless is transmitted to the DS.

Return to shop	
Automatic redirection	This option allows to automatically redirect the buyer to the merchant website. This option depends on the following settings. This option is disabled by default.
Time before redirection (success)	If the **automatic redirection** option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a successful payment.
Message before redirection (success)	If the **automatic redirection** option is enabled, you can define the message that will appear on the screen following a successful payment before your buyer is redirected to the shop. The default message is: "Redirection to the shop in a moment".
Time before redirection (failure)	If the **automatic redirection** option is enabled, you can define the delay in seconds before your buyer is redirected to your shop in case of a failed payment.
Message before redirection (failure)	If the **automatic redirection** option is enabled, you can define the message that will appear on the screen following a failed payment before your buyer is redirected to the shop. The default message is: "Redirection to the shop in a moment".
Return mode	During the redirection to the shop, these parameters are returned to the shop in **GET** or **POST** modes. The **GET** mode is more convenient for the buyer as it allows to prevent the browser from displaying a pop-up window that indicates that the buyer is leaving an https environment for an http environment which obliges the buyer to click on "Accept" to return to the shop.

Once you have completed the configuration, click **Save**.

5.4.2. One-time payment

Module option	
Activation	In order to enable the payment method, select **Enabled**. This mode is set to **Enabled** by default.
Name	This option allows you to define the name of the payment method. The buyer will see this title when choosing a payment method. The default label is Lyra.

Restrictions	
Minimum amount	This field defines the minimum amount for which you wish to offer this payment method.
Maximum amount	This field defines the maximum amount for which you do not wish to offer this payment method.

Once you have completed the configuration, click **Save**.

5.4.3. Installment payment

Module option	
Activation	In order to enable the payment method, select **Enabled**. By default, this method is **Disabled**.
Name	This option allows you to define the name of the payment method. The buyer will see this title when choosing a payment method. The default label is Lyra.

Restrictions	
Minimum amount	This field defines the minimum amount for which you wish to offer this payment method.
Maximum amount	This field defines the maximum amount for which you do not wish to offer this payment method.

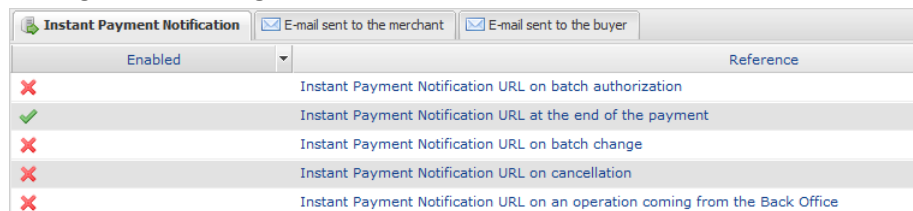| Payment options	
Payment option	This module allows you to create as many credit card installment payment options as you like. Each payment option will have a different code that will be displayed in the order table. To add a payment option, click on **Add**. When you are done, remember to save your changes.
Label	Text describing the installment payment option as it will be offered to the buyer. Example: Pay in 3 installments with no fees
Minimum amount	Allows to define the minimum amount required to make the payment option available.
Maximum amount	Allows to define the maximum amount required to make the payment option available.
Merchant ID	The Merchant ID to use with the option, in case your shop has several Merchant IDs. **It is recommended to leave this field empty.**
Number	Number of installments: **3** for payment in 3 installments **4** for payment in 4 installments etc.
Period	Period (in days) between each installment.
First installment	Amount of the first installment, expressed as a percentage of the total amount. Example: For an amount of EUR 100 in 3 installments, you can set the percentage of the first payment at 50% of the amount. This means that the amount of the first installment will be EUR 50 an that the two others will be of EUR 25. For 50% enter **50**. If you want the amount of every installment to be the same, leave this field empty.

Once you have completed the configuration, click **Save**.

6. SETTING UP THE INSTANT PAYMENT NOTIFICATION URL

The Expert Back Office provides several types of notifications. They allow to manage the events that will generate a call to the merchant website and to configure the URL of the contact page.

To access notification rule management:

1. Sign in to: *https://secure.lyra.com/portal/*.

2. Click **Other actions** and sign into your Expert Back Office

3. Go to the following menu: **Settings** > **Notification rules**.

Instant Payment Notification	E-mail sent to the merchant	E-mail sent to the buyer	
Enabled			**Reference**
✖			Instant Payment Notification URL on batch authorization
✔			Instant Payment Notification URL at the end of the payment
✖			Instant Payment Notification URL on batch change
✖			Instant Payment Notification URL on cancellation
✖			Instant Payment Notification URL on an operation coming from the Back Office

Figure 1: Notification rules

Right click > **Enable the rule** if a red cross appears in the **Enabled** column of the following rules:

• Instant Payment Notification URL at the end of the payment

6.1. Setting up the Instant Payment Notification URL

This notification is required to communicate the result of a payment request.

In your Expert Back Office, you must set up a URL that will be systematically called after a payment. It will inform the merchant website of the payment result even if your client has not clicked on return to the shop.

This parameter is called Instant Payment Notification URL at the end of the payment.

To set up this notification:

1. Right-click **Instant Payment Notification URL at the end of the payment**.

2. Select **Enable the rule**.

3. Right-click **Instant Payment Notification URL at the end of the payment** once again.

4. Select **Manage the rule**.

5. Enter the following URL in the fields **URL to call in TEST mode** and **URL to call in PRODUCTION mode** (**Notification URL of the Hosted payment page V1, V2** section): the URL to copy is present in the module configuration (**Notification URL**).

   The URL must resemble the one below:

   http://www.your-domain.com/cart/lyra_notify

   Replace **your-domain.com** with the domain name of your website.

6. Enter the **E-mail address(es) to notify in case of failure**.

7. To specify several e-mail addresses, separate them with a semi-colon.

8. Set up the parameters for **Automatic retry in case of failure**.

   This option allows to automatically send notifications to the merchant website in case of failure (up to 4 times).

   A notification will be considered as failed if the HTTP code returned by the merchant server is not in the following list: **200**, **201**, **202**, **203**, **204**, **205**, **206**, **301**, **302**, **303**, **307**, **308**.

   Automatic retry does not apply to notifications manually triggered via the Expert Back Office.

   Call attempts are scheduled at fixed intervals every 15 minutes (00, 15, 30, 45). After each failed attempt, a notification e-mail is sent to the e-mail address specified earlier.

9. Save the changes.

6.2. Testing the Instant Payment Notification URL

In order to make sure that the Instant Payment Notification functions correctly, follow these steps:

1. Make sure that your URL is available online: your shop must neither be **in maintenance mode** nor be protected by an .htaccess file.

2. Make sure that your notification URL is available without any redirection.

   a. To do this, paste your notification URL to the address bar of your browser and launch the search.

   b. Make sure your URL did not change.

      If your URL has changed, for example from "*http*" to "*https*" or "*http://abc.net*" to "*http://**www**.abc.net*", it means a redirection is active on your website. Then, copy the URL from the address bar and modify the URL filled in the configuration of all notification rules.

3. Make sure that the "Automatic redirection" option is disabled in the payment module settings.

4. Check that the **Instant Payment Notification URL at the end of payment** is populated in the Expert Back Office (see above).

5. Make an order on your website and proceed to payment.

6. **Do not click on** "Return to shop" at the end of payment and close the current tab of your browser.

7. Make sure that the order has been created in the **Store** > **Orders** menu.

If the order has not been created in the Ubercart Back Office, this means that the call has failed.

If the payment gateway is unable to access the URL of your page, an e-mail will be sent to the shop administrator.

It contains:

- The HTTP code of the encountered error
- Parts of error analysis
- Its consequences
- Instructions to resend, from the Expert Back Office, the notification to the URL already specified above

7. SHIFTING THE SHOP TO PRODUCTION MODE

After you receive a confirmation e-mail informing you that your shop has been created in the production environment, you can configure the payment method by following the steps below:

- Retrieve the shop ID and the production key available in the Expert Back Office (**Settings** > **Shop**> **Keys**).

- In the module configuration parameters:
  - Replace the **Production key** field.
  - Select the PRODUCTION mode.
  - Save the changes.

- Make sure that you have specified the Instant Payment Notification URL in production mode, as described in the chapter **Setting up the Instant Payment Notification URL**.

Once the production settings have been configured, we recommend to make a first real payment.

You will then be able to cancel the payment via the Expert Back Office. This transaction will not be captured in the bank.

Note on the production key:

For security reasons, this key will no longer be visible as soon as the first transaction in production mode is made in your shop.

8. OBTAINING HELP

Looking for help? Check our FAQ on our website

https://docs.lyra.com/en/collect/faq/sitemap.html

For any technical inquiries or if you need any help, contact *technical support*.

To help us process your demands, you will be asked to communicate your customer code (e.g.: **CLXXXXX**, **MKXXXXX** or **AGXXXXX**).

This information is available in the Merchant Back Office (top of menu).