



COLLECTING SOLUTION

**Payment module integration
for OSCommerce 2.3**

Contents

1. RELEASE NOTES.....	3
2. MODULE FEATURES.....	4
3. READ CAREFULLY BEFORE GOING ANY FURTHER.....	5
4. INSTALLMENT PAYMENT FEATURES.....	6
5. PREREQUISITES.....	7
6. INSTALLING AND CONFIGURING THE PAYMENT MODULE.....	8
6.1. Updating the payment module.....	8
6.2. Installation of the module.....	8
6.3. Configuring the one-time payment method.....	9
6.4. Configuring the installment payment method.....	12
7. SETTING UP THE INSTANT PAYMENT NOTIFICATION URL.....	16
7.1. Setting up the Instant Payment Notification.....	17
7.2. Testing the Instant Payment Notification URL.....	18
8. SHIFTING THE SHOP TO PRODUCTION MODE.....	19
9. GETTING IN TOUCH WITH TECHNICAL SUPPORT.....	20

1. RELEASE NOTES

Version	Date	Comments
1.3	12/17/2018	Initial version.

2. MODULE FEATURES

The payment module offers the following features:

- Single payment,
- compatibility with osCommerce version 2.3.x,
- payment in installments with the possibility to offer several options for installment payments (2, 3, 4 installments, etc.),
- PayPal payment,
- multi-language compatibility,
- multi-currency compatibility,
- selective 3D-Secure depending on the order amount,
- automatic redirection to the shop at the end of payment,
- definition of a minimum/maximum amount for each payment method,
- management of the order status for accepted payments,
- systematic registration of orders at the end of payment via a silent URL (Instant Payment Notification URL).

3. READ CAREFULLY BEFORE GOING ANY FURTHER

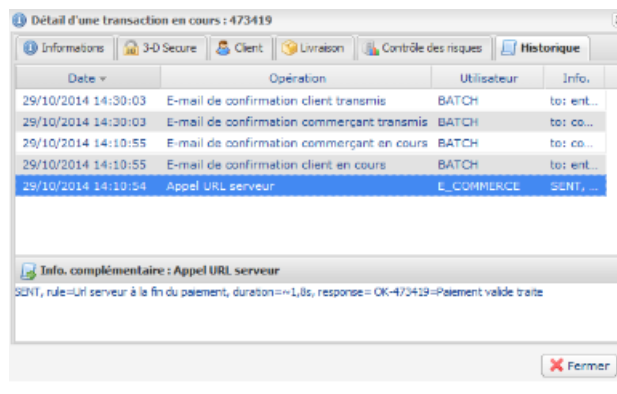
The most frequent error concerns the Instant Payment Notification URL. The Instant Payment Notification URL is the only way the Lyra gateway can notify you at the end of your payment. The chapter **Setting up the end of payment notification** must be read thoroughly and the provided instructions must be respected. It is essential to understand the difference between the Instant Payment Notification URL and the return URL which is called only if the buyer clicks on "Return to shop".

Common errors:

- **If your osCommerce shop is in maintenance mode**
- **If your Instant Payment Notification URL is protected by an .htaccess file**
- **If you have blocked the IP addresses of the payment gateway**
- **If 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.



Date	Opération	Utilisateur	Info.
29/10/2014 14:30:03	E-mail de confirmation client transmis	BATCH	to: ent...
29/10/2014 14:30:03	E-mail de confirmation commerçant transmis	BATCH	to: co...
29/10/2014 14:10:55	E-mail de confirmation commerçant en cours	BATCH	to: co...
29/10/2014 14:10:55	E-mail de confirmation client en cours	BATCH	to: ent...
29/10/2014 14:10:54	Appel URL serveur	E_COMMERCE	SENT, ...

Info. complémentaire : Appel URL serveur
SENT, rule=Url serveur à la fin du paiement, duration=1,8s, response=OK-473419= Paiement valide traite

Fermer

4. INSTALLMENT PAYMENT FEATURES

This module also allows you to offer the possibility to pay in installments. In module settings, you can choose the number of installments and the delay in days between each installment.

This module will allow you to view an order in your osCommerce Back Office with the total amount that has been paid using the "payment in 3 installments with no fees" module, for instance.

During the first installment payment, an authorization request for the amount of the first installment is sent (if the capture date is before the current date + 6). Therefore, you cannot be sure that the upcoming installments will be honored. Remember to check that the upcoming installments are authorized.

Starting from the second installment, the IPN is no longer called, as osCommerce does not support such notifications for finalized orders. It is needless to resend the IPN from the Back Office.

Additional feature implemented into this module

For installment payments, the Lyra payment gateway allows to also choose the amount of the first installment.

Example:

For a payment of 100 Eur in 3 installments, you can set the percentage of the first installment at 50% of the total amount. This means that the amount of the first installment will be 50 Eur and the amount of the two other installments will be 25 Eur.

Payment method view

In module settings, you can define the minimum amount starting from which you wish to offer installment payment.

You can also set up the maximum amount until which you wish to offer installment payment.

To sum up, you must define a range for enabling payment in installments.

5. PREREQUISITES

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

- **Payment module file:** Lyra_osCommerce_2.3.x_v1.3.x.zip
- **Your shop ID**
- **Test or Production key**

The Shop ID and the keys are available on the Expert Back Office (Menu: **Settings > Shop > Keys**)



Reminder, your Lyra Collect 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 starting from PHP version 5.3.

Therefore, all the later PHP versions are no longer supported by our modules. If you have an earlier version, you should ask your host to install a more recent version on your server prior to contacting us.

Please note that the version 5.3 is already no longer supported by php: <http://php.net/supported-versions.php>

6. INSTALLING AND CONFIGURING THE PAYMENT MODULE

6.1. Updating the payment module

If your shop already has the Lyra payment module, it must be uninstalled.

WARNING: Make sure you save the parameters of your module before you delete it and, most importantly, save the production certificate that is no longer visible in your Expert Back Office.

The payment module is uninstalled via the back office: **modules > payment** of the osCommerce solution.

1. Click on **Lyra**
2. Click on **Delete this module**
3. Install the payment module following the steps in the next chapter.

6.2. Installation of the module

1. Copy all the **admin, images, includes** folders together with the `checkout_process_lyra.php` file from the **catalog** folder of the module, then paste them to the catalog directory of your **osCommerce** website.
2. Empty the osCommerce cache (System/Cache management).
3. After updating the module, click on **Reset** to take the new module features into account.

6.3. Configuring the one-time payment method

The payment module is entirely configured via the back office in **modules > payment** of the osCommerce solution.

1. Click on **Install the module**.
2. Click on the **Lyra payment module - Payment by credit card**.
3. Click on **Install the module**.
4. Click the **Edit** button.

Access to the payment gateway	
Instant Payment Notification URL	URL to copy in your Expert Back Office (Settings > Notification rules > Notification URL at the end of payment > Notification URL of the Hosted payment page V1, V2 menu): http://www.site.com/catalog/checkout_process_lyra.php
Module status	Select Enable to enable the payment module.
Order	If you offer several payment methods, enter a number in the Sort order field to determine the position of this payment method. The payment methods appear in ascending order according to the Sort order value.
Payment area	Define the payment area to which this payment method will apply. The None value means that the module applies to all areas.
Shop ID	Specify 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). If the algorithm is different, the parameter will have to be modified via the Expert Back Office.
Payment page URL	This field is pre-populated by default: https://secure.lyra.com/vads-payment/

Payment page	
Default languages	<p>This option allows to choose the default language of the payment page in case the language of osCommerce is not supported by Lyra.</p> <p>If the language(s) used by the osCommerce is (are) implemented into Lyra, the payment page will be displayed in the language of osCommerce when the buyer clicks on "Pay".</p>
Available languages	<p>Allows to customize the language displayed on the payment page. Buyer will be able to select a language when he is redirected on the payment page. If you do not select any language, all the languages will be displayed on the payment page.</p> <p>To select a language, press and hold the " Ctrl " key and click on the desired languages.</p> <p><u>Available languages:</u> German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.</p>
Capture delay	<p>By default, this parameter is managed in your Expert Back Office. (Menu: Settings > Shop > Configuration - section: Capture delay)</p> <p>It is recommended to not populate this parameter.</p>
Validation mode	<p>Back Office Configuration: Recommended value.</p> <p>Allows to use the configuration defined in the Expert Back Office. (Menu: Settings > Shop > Configuration – section: validation mode)</p> <p>Automatic: This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part.</p> <p>Manual: This value indicates that the transactions will require manual validation by the merchant via the Expert Back Office.</p> <p>Warning: if the transaction is not validated by the merchant before the expiration date, it will not be captured in the bank.</p> <p>Remember to configure the Instant Payment Notification rule on an operation coming from the Back Office to update the order status in osCommerce.</p>
Card types	<p>This field allows to select the cards logo to be displayed on the payment page.</p> <p>Warning: The payment types offered to the buyer on the payment page depend on the contracts and options associated with your Lyra offer.</p> <p>It is recommended to leave empty the parameter.</p>

Selective 3DS	
Disable 3DS	<p>Amount below which 3DS will be disabled.</p> <p>WARNING: The value of this field will be taken into account only if the option "Selective 3D-Secure" is enabled for your Lyra shop. This option can only be enabled upon agreement of your bank. Some card types, such as MAESTRO, require a mandatory 3DS authentication. In this case, your configuration will not be taken into account.</p>

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 beyond which you do not wish to offer this payment method.

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)	In case 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)	In case the automatic redirection option is enabled, you can define the message that will appear on the platform 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)	In case 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)	In case the automatic redirection option is enabled, you can define the message that will appear on the gateway 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.
Order status	This option allows to define the status of an order successfully paid using this payment mode.

To finish the configuration, click **Save**

6.4. Configuring the installment payment method

The payment module is entirely configured via the back office in **modules > payment** of the osCommerce solution.

1. Click on **Install the module**.
2. Click on the payment module **Lyra - Payment by credit card in installments**.
3. Click on **Install the module**.
4. Click the **Edit** button.

Access to the payment gateway	
Instant Payment Notification URL	URL to copy in your Expert Back Office (Settings > Notification rules > Notification URL at the end of payment > Notification URL of the Hosted payment page V1, V2 menu): http://www.site.com/catalog/checkout_process_lyra.php
Module status	Select Enable to enable the payment module.
Order	If you offer several payment methods, enter a number in the Sort order field to determine the position of this payment method. The payment methods appear in ascending order according to the Sort order value.
Payment area	Define the payment area to which this payment method will apply. The None value means that the module applies to all areas.
Shop ID	Specify 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). If the algorithm is different, the parameter will have to be modified via the Expert Back Office.
Payment page URL	This field is pre-populated by default: https://secure.lyra.com/vads-payment/

Payment page	
Default languages	<p>This option allows to choose the default language of the payment page in case the language of osCommerce is not supported by Lyra.</p> <p>If the language(s) used by the osCommerce is (are) implemented into Lyra, the payment page will be displayed in the language of osCommerce when the buyer clicks on "Pay".</p>
Available languages	<p>Allows to customize the language displayed on the payment page. Buyer will be able to select a language when he is redirected on the payment page. If you do not select any language, all the languages will be displayed on the payment page.</p> <p>To select a language, press and hold the " Ctrl " key and click on the desired languages.</p> <p><u>Available languages:</u> German, English, Chinese, Spanish, French, Italian, Japanese, Dutch, Polish, Portuguese, Russian, Swedish, Turkish.</p>
Capture delay	<p>By default, this parameter is managed in your Expert Back Office. (Menu: Settings > Shop > Configuration - section: Capture delay)</p> <p>It is recommended to not populate this parameter.</p>
Validation mode	<p>Back Office Configuration: Recommended value.</p> <p>Allows to use the configuration defined in the Expert Back Office. (Menu: Settings > Shop > Configuration – section: validation mode)</p> <p>Automatic: This value indicates that the payment will be captured in the bank automatically without any action on the merchant's part.</p> <p>Manual: This value indicates that the transactions will require manual validation by the merchant via the Expert Back Office.</p> <p>Warning: if the transaction is not validated by the merchant before the expiration date, it will not be captured in the bank.</p> <p>Remember to configure the Instant Payment Notification rule on an operation coming from the Back Office to update the order status in osCommerce.</p>
Card types	<p>This field allows to select the cards logo to be displayed on the payment page.</p> <p>Warning: The payment types offered to the buyer on the payment page depend on the contracts and options associated with your Lyra offer.</p> <p>It is recommended to leave empty the parameter.</p>

Selective 3DS	
Disable 3DS	<p>Amount below which 3DS will be disabled.</p> <p>WARNING: The value of this field will be taken into account only if the option "Selective 3D-Secure" is enabled for your Lyra shop. This option can only be enabled upon agreement of your bank. Some card types, such as MAESTRO, require a mandatory 3DS authentication. In this case, your configuration will not be taken into account.</p>

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 beyond 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 . Once you have completed the configuration, do not forget to click on Save in order 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	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.
Delay	Delay (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 100 euros paid in 3 installments, you can set the percentage of the first payment at 50% of the total amount. This means that the amount of the first installment will be 50euros and that the two others will be of 25euros. For 50% enter 50 . If you wish to set identical amounts for all installments, leave the field empty.

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)	In case 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)	In case the automatic redirection option is enabled, you can define the message that will appear on the platform 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)	In case 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)	In case the automatic redirection option is enabled, you can define the message that will appear on the gateway 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.
Order status	This option allows to define the status of an order successfully paid using this payment mode.

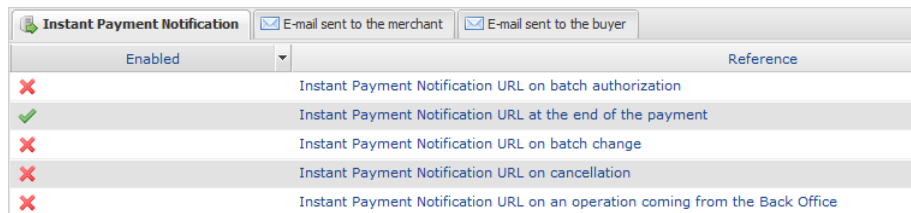
To finish the configuration, click **Save**

7. SETTING UP THE INSTANT PAYMENT NOTIFICATION URL

Several types of notifications are provided in the Expert Back Office. They allow to manage events (payment abandoned by the buyer, payment canceled by the merchant, payment validated by the merchant, etc.) that will trigger a call to the merchant website and to configure the URL of the contact page.

To access notification rule management:

1. Sign into: <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.**



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 payment

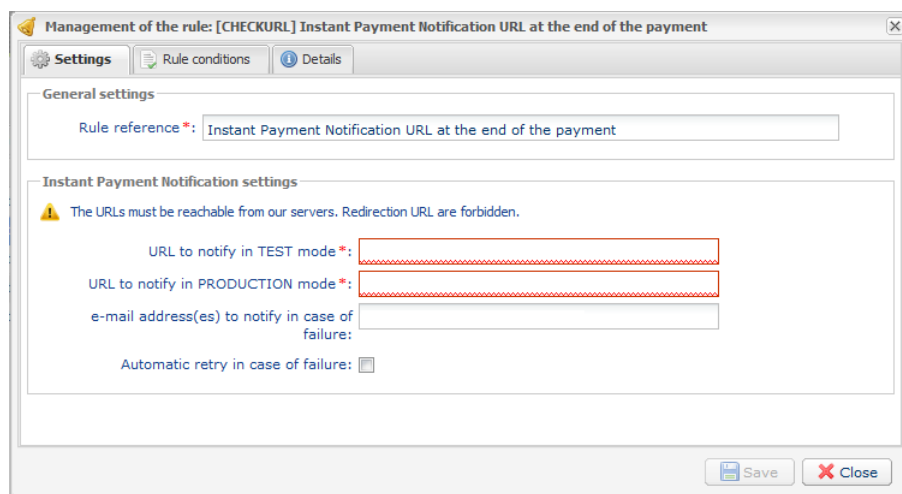
7.1. Setting up the Instant Payment Notification

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 at the end of payment.

To set up this notification:

1. Right-click **Instant Payment Notification URL at the end of payment**.
2. Select **Enable the rule**.
3. Right-click again **Instant Payment Notification URL at the end of payment**.
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**: http://www.site.com/catalog/checkout_process_lyra.php



The screenshot shows a dialog box titled "Management of the rule: [CHECKURL] Instant Payment Notification URL at the end of the payment". It has three tabs: "Settings", "Rule conditions", and "Details". The "Settings" tab is active. Under "General settings", there is a "Rule reference *" field containing "Instant Payment Notification URL at the end of the payment". Under "Instant Payment Notification settings", there is a warning icon and text: "The URLs must be reachable from our servers. Redirection URL are forbidden." Below this are four fields: "URL to notify in TEST mode *:", "URL to notify in PRODUCTION mode *:", "e-mail address(es) to notify in case of failure:", and "Automatic retry in case of failure:" with a checkbox. At the bottom right are "Save" and "Close" buttons.

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).

For more information, see chapter **Activating the automatic retry** of the *Hosted Payment PageImplementation guide*.

9. Save the modifications.

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.

7.2. 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 **Orders > Orders** menu.

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

8. 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 shopID.
 - 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.

9. GETTING IN TOUCH WITH TECHNICAL SUPPORT

Looking for help? Check our FAQ on our website

<https://lyra.com/doc/fr/collect/faq/sitemap.html>

For technical inquiries or support, you can reach us from Monday to Friday, between 9am and 6pm

by phone at:

0811900475

Service fee 0.06 € / mi
+ call charge

by e-mail:

support-ecommerce@lyra-collect.com