

# Barclaycard ePDQ Manual for Magento Commerce

## CONFIGURATION - EPDQ: MERCHANT ADMINISTRATION

### Login to the test admin

#### Identification (Production)

Please enter your PSPID and your password in order to administer your account.

The PSPID is the Merchant ID chosen by the merchant administrator when opening the Barclaycardaccount. If you have forgotten your PSPID, please retrieve it from the contract you received upon activation.

PSPID:

Password:

[Lost your password?](#)

Click here to log in as a user of a merchant.

[Test Login](#)

ePDQ offers two dashboards, for test and production. Each has their own configuration, payment methods and SHA keys. See below for the correct login URLs:

- Test admin - [https://payments.epdq.co.uk/ncol/test/admin\\_epdq.asp](https://payments.epdq.co.uk/ncol/test/admin_epdq.asp)
- Production admin  
 - [https://payments.epdq.co.uk/ncol/prod/admin\\_epdq.asp](https://payments.epdq.co.uk/ncol/prod/admin_epdq.asp)

# Configure the Account options

Go to *Configuration > Account* and make sure to walk through all the pages to set up your ePDQ (test) subscription. For the purpose of this manual, let's assume you have already done so.

## Activate the Payment Methods


Go to **Configuration > Payment methods**. Make sure to configure any payment methods you wish to use in Magento. Even in Test mode you cannot test methods that are not enabled here.

## Configure the Global Transaction Parameters

Go to **Configuration > Technical information**. There you find the first tab called Global Transaction Parameters:

The screenshot shows the 'Global transaction parameters' configuration page. The page has a navigation bar with tabs: 'Global transaction parameters' (selected), 'Global security parameters', 'Payment Page layout', 'Data and origin verification', and 'Transaction fee'. The main content area is divided into several sections:

- Default operation code:** Includes an information icon and two radio buttons: 'Sale' (selected) and 'Authorisation'. Below the buttons, there are two paragraphs of explanatory text regarding Bardaycard e-Terminal and Bardaycard eCommerce.
- Default data capture (payment) procedure:** Includes an information icon and a paragraph explaining that the default procedure is only applicable if 'Authorisation' is the default operation code. Below this are three radio buttons: 'Data capture by the merchant (manual or automatic)' (selected), 'Automatic data capture by our system at the end of the day', and 'Automatic data capture by our system after 0 days'.
- Payment retry:** Includes a paragraph explaining the number of times a customer is allowed to attempt payment. Below this is a text input field containing the number '10'.
- Processing for individual transactions:** Includes an information icon and three radio buttons: 'Always online (Immediate)' (selected), 'Online but switch to offline when the online acquiring system is unavailable', and 'Always offline (Scheduled)'.
- Default ECI value:** Includes an information icon and a paragraph explaining that the ECI is defined according to the acquirer's specifications. Below this is a dropdown menu showing '7 - E-commerce with SSL encryption'. Below the dropdown, there are two paragraphs of explanatory text regarding Bardaycard eCommerce and Bardaycard e-Terminal.

- **Default operation code:** you can choose *Sale* (instant payment capture) or *Authorization* (delayed payment capture).
- **Processing for individual transactions:** EUR  set this to Always online (Immediate).

If your ePDQ subscription supports DirectLink, then you must also set the ECI value for credit card processing:

- (DirectLink only) **Default ECI value:** set to *7 - Ecommerce with SSL encryption*. This means that in order to use DirectLink you must enable secure https:// URLs in the frontend of Magento. Contact your hosting provider about enabling secure https://.

## Configure the Global Security Parameters

Go to **Configuration > Technical Settings** and select the tab 'Global security parameters':

The screenshot shows the 'Global security parameters' configuration page in Magento. The page has three tabs: 'Global security parameters' (active), 'Payment Page layout', and 'Data and origin verification'. Under 'Global security parameters', there are three sections:

- Hashing method:** This configuration affects all signature checks whose passphrases are configured under "Data and origin verification" and "Transaction". It includes a sub-section 'Hash algorithm' with three radio button options: SHA-1, SHA-256, and SHA-512. The SHA-512 option is selected.
- Character encoding:** It includes a sub-section with three radio button options: 'Use the character encoding expected with the initial transaction request (depending on the URL called)', ISO-8859-1, and UTF-8. The UTF-8 option is selected.
- Template:** It includes a sub-section 'Enable JavaScript check on template :' with two radio button options: Yes and No. The No option is selected. Below this is another sub-section 'Allow usage of static template :' with two radio button options: Yes and No. The No option is selected. At the bottom of this section is a text input field labeled 'Trusted static template name (\*)' with a placeholder text: 'You may enter several template names, separated by ";"'.

- Set the **Hash algorithm** to *SHA-512* for maximum security. Make sure that your PHP installation supports SHA-512 algorithms. This

setting must also be copied to Magento (next step).

- Set the **Character encoding** to *UTF-8*. Magento is UTF-8 too. This setting is important to work with special characters.

## Configure the Payment Page

Select the tab 'Payment page':

The screenshot shows the 'Payment Page layout' configuration tab. It has three tabs: 'Global security parameters', 'Payment Page layout' (selected), and 'Data and origin verification'. Under 'Payment Page layout', there are two sections: 'Cancel button' with a checkbox 'Hide the "Cancel" button on the Barclaycard secure payment pages.' which is unchecked, and 'Back button redirection' with an information icon and a text input field containing a URL.

- I recommend to uncheck the **Hide cancel button**, so users can cancel their payments and return to Magento to try another payment.
- Please leave the **Back button redirection** empty. This URL will be provided by the Magento extension.

## Configure the Data and Origin Verification

The screenshot shows the 'Data and origin verification' configuration tab. It has three tabs: 'Global security parameters', 'Payment Page layout', and 'Data and origin verification' (selected). Under 'Data and origin verification', there are two sections: 'Checks for e-Commerce' with an information icon, a text input field for 'URL of the merchant page containing the payment form that will call the page:orderstandard.asp', and a note 'You may enter several URLs, separated by ";"'; and 'SHA-IN pass phrase' with an information icon, a password input field with a 'Visible' toggle button, and a 'Visible' label.

- Leave the **URL of the merchant page** empty! We use SHA encryption, so you do not need enter anything

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- **SHA-IN pass phrase**, make sure to have a strong value here. You will need to copy this value to Magento.

If your ePDQ one subscription supports DirectLink, then you will find these extra options:

- **IP address of the server calling the APIs:** in order to use DirectLink you must enter your IP address(es) here, separated with a ; (semi-colon). For example, a localhost server would be 127.0.0.1 - make sure to enter all IP addresses you will use. This is not your personal browser IP, but your server IP that hosts Magento. Use a ping command to find out what your server IP is if you don't know.
- **SHA-IN pass phrase:** this is another SHA field, but specifically for DirectLink payments. Make sure to enter a strong value here. You must later copy this value to Magento,

## Configure the Transaction Feedback Tab

This is quite a complex tab and many people get it wrong. See the screenshot below:

Global security parameters      Payment Page layout      Data and origin verification      **Transaction Feedback**

e-Commerce

**HTTP redirection in the browser**

URL of the webpage to be displayed to the customer after the payment process:

Accepturl: displayed when the payment has been authorised, stored, accepted or is waiting to be accepted.

Declineurl: displayed when the acquirer declines the authorisation more than the maximum permissible number of times (as defined in the payment retry section of the Global transaction parameters tab).

Exceptionurl: displayed when the payment result is uncertain.

Cancelurl: displayed when the customer cancels the payment.

You can overwrite the default redirection URLs configured above by sending along redirection URLs in the transaction details.

I would like to receive transaction feedback parameters on the redirection URLs.

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.

**Direct HTTP server-to-server request**

No request.  
 Always online (immediately after the payment to allow customisation of the response seen by the customer).

URL of **1** merchant's post-payment page:

If the payment's status is "accepted", "on hold" or "uncertain".

If the payment's status is "cancelled by the client" or "too many attempts by the acquirer".

Request method

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- POST
- GET

#### 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. Please note that NCERROR, PAYID, ORDERID, STATUS are default parameters and selected as such and cannot be removed.

#### General

- I would like Barclaycard to display a "processing" message to the customer during payment processing.
- I would like Barclaycard to re-launch the "end of transaction" (post-payment request/redirection) process if required.

#### All transaction submission modes

##### Security for request parameters

SHA-OUT pass phrase

.....  Visible

##### HTTP request for status changes

- Timing of the request
- No request.
  - Only at the time of the order authorisation request.
  - For each offline status change (payment, cancellation, etc.).

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

Starting from the top, there are a number of important settings to configure here.

- Leave the **accepturl**, **declineurl**, **exceptionurl** and **cancelurl?** empty. These URLs are passed on by the Magento extension, you do not need to enter any URLs here.
- Check the box before the line that reads '**I would like to receive transaction feedback parameters on the redirection URLs.**'
- Uncheck the box before the line that starts with '**I would like ePDQ to display a short text to the customer**'. Please leave this feature disabled, it interrupts the Magento workflow.

We move on to the section called '**Direct HTTP server-to-server request**':

- Set the **timing of the request** to *Always online*
- In the box that reads '**If the payment's status is "accepted", "on hold" or "uncertain".**' enter the URL to your Magento site that ends in */epdq/push/accept*. Make sure to enter the correct URL, with https://

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or http:// (makes a difference!) etc. For example: https://magento.morningtime.com/1.7/epdq/push/accept

- In the box that reads '**If the payment's status is "cancelled by the client" or "too many rejections by the acquirer".**' enter the URL to your Magento sites that ends in */epdq/push/cancel* For example: https://magento.morningtime.com/1.7/epdq/push/cancel
- Set the **request method** to *Post*.

Leave the default settings for **Dynamic e-Commerce parameters**. Then go to the section **General**:

- Uncheck the box before the line that reads '**I would like ePDQ to display a "processing" message to the customer during payment processing!**' This messes up the Magento workflow. Please disable it.
- Check the box that reads '**I would like ePDQ to re-launch the "end of transaction" (post-payment request/redirection) process if required!**'.

Now go further down to the section '**All transaction submission modes**':

- Enter a **SHA-OUT pass phrase**. You must later copy this value to Magento.
- Set the **timing of the request** to *For each offline status change*
- In the box that reads '**URL on which the merchant wishes to receive a deferred HTTP request!**', enter the URL to your Magento store that ends with */epdq/push/offline* For example: https://magento.morningtime.com/1.7/epdq/push/offline

If DirectLink is part of your ePDQ subscription then you will find one more setting. Please use the default settings for **Dynamic parameters**.

## (OPTIONAL) CONFIGURE THE DIRECTLINK API USER

DirectLink is an optional feature to process Credit Cards. This feature is only available for subscriptions with the DirectLink option implemented. Contact ePDQ to enable DirectLink.


## Go to Configuration > Users

Find the option to add a new user. You may be limited to 2 users (yourself and 1 API user). Create a new user  figure the API user:



## Users management


**User's Data**  
(\* Mandatory fields)


\*USERID : MorningtimeApi9 

\*REFID : MorningtimeShop

\*User type : PSPID

\*User's name : MorningtimeApi9


\*E-mail address : info@appmerce.com 

Time zone : (GMT+01:00) Brussels, Copenhagen, Madrid, Paris 

Automatically adjust to daylight saving changes :

Creation date : 2013-01-03 17:22:17

User created by : MorningtimeShop/PSPID/MorningtimeShop


\*Profile : Admin without user management 

Scope limited to user?

Special user for API (no access to admin.)  [Related FAQ](#)

Access rights  Fraud detection  
 Payment methods  
 Technical information

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To confirm the modification, please enter your own password  

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[Modify](#)

[Electronic Reporting for this User >>>](#)

- Fill out the user form and enter a **USERID** - this will be the DirectLink API username you must enter in Magento.
- Set **Profile** to *Admin user without user management*
- Disable **Scope limited to user?**
- Make sure to enable **Special user for API (no admin access)**.
- Enable all **Access rights**.

After saving the API user for the first time you will receive a password. You can also receive this password via email address supplied for the API user - make sure it is a valid email address. Make sure to remember this password! This password is the **DirectLink API user password** which you must enter in Magento.

## CONFIGURE MAGENTO

### Go to System > Configuration > Payment Services > Appmerce ePDQ Settings

Follow the instructions to configure . The most important settings are shown below:



## Appmerce Barclaycard ePDQ Settings

Extension by [Appmerce](#) | [Get Support](#)

PSPID	<input type="text" value="PSPIDTEST"/>	[STORE VIEW]
User ID	<input type="text"/> <small>▲ Optional. Use only if you want to register transactions associated with a specific user.</small>	[STORE VIEW]
SHA-IN Pass Phrase	<input type="password" value="....."/> <small>▲ See ePDQ technical settings <i>Data and origin verification</i>.</small>	[STORE VIEW]
SHA-OUT Pass Phrase	<input type="password" value="....."/> <small>▲ See ePDQ technical settings <i>Transaction feedback</i>.</small>	[STORE VIEW]
Operation	<input type="text" value="Sale"/>	[WEBSITE]
Hash Algorithm	<input type="text" value="SHA-512"/>	[WEBSITE]
Signature Method	<input type="text" value="Parameters followed by passphrase"/>	[WEBSITE]
Enable Fraud Detection	<input type="text" value="No"/>	[WEBSITE]
Enable 3-D Secure	<input type="text" value="No"/>	[WEBSITE]
Enable Alias Manager	<input type="text" value="No"/>	[WEBSITE]
Alias Usage	<input type="text"/> <small>▲ A short text explaining why you want to store the Credit Card data.</small>	[STORE VIEW]
Test Mode	<input type="text" value="No"/>	[WEBSITE]
Debug Mode	<input type="text" value="No"/> <small>▲ See database table <i>epdq_api_debug</i> for debug information.</small>	[WEBSITE]
Use Base Currency	<input type="text" value="Yes"/> <small>▲ Disable to use currency from user session.</small>	[WEBSITE]
Send Order Email	<input type="text" value="Yes"/>	[WEBSITE]
Create Invoice	<input type="text" value="No"/>	[WEBSITE]
Send Invoice Email	<input type="text" value="No"/>	[WEBSITE]

- The **PSPID** is the username you use to login to the ePDQ Merchant services pages.
- (optional) This **USERID** is optional and can be used to distinguish multiple stores. You must setup such a USERID via the **Configuration > User** pages in the ePDQ dashboard.
- **SHA-IN Pass phrase:** copy this value from the 'Data and origin verification' tab in the ePDQ dashboard. Copy it *exactly*. This password is stored using PHP Mcrypt - make sure you have Mcrypt enabled for Magento.
- **SHA-OUT Pass phrase:** copy  from the 'Transaction feedback' tab in the ePDQ dashboard. Copy it *exactly*.

- Set **Operation** to *Sale* or the same value that you entered in ePDQ. Both values must be the same.
- Set **Hash algorithm** to SHA-512 or the same value that you entered in ePDQ. Both values must be the same.
- Set **Signature method** to *Parameters followed by passphrase*. Very old ePDQ accounts (pre May-2010) may have a different setting.
- For using the test dashboard, make sure to enable **Test Mode** to *Yes*.

## Go to System > Configuration > Payment Methods

Here you will find a list with all ePDQ payment methods. You can enable any method you need. Below is an example:

Barclaycard ePDQ - Credit Cards (DirectLink)		
Enabled	No	[WEBSITE]
Title	Barclaycard ePDQ - Credit Cards (DirectLink)	[STORE VIEW]
New Order Status	Processing	[WEBSITE]
DirectLink API User ID	ApiUser <small>▲ Name of your API user.</small>	[STORE VIEW]
DirectLink API Password	***** <small>▲ Password of the API user.</small>	[STORE VIEW]
DirectLink SHA-IN Pass Phrase	***** <small>▲ Differs from the regular SHA-IN Pass Phrase.</small>	[STORE VIEW]
Payment Action	Authorize Only	[WEBSITE]
Allowed Cards	American Express Visa MasterCard JCB Solo Diners Club Dankort Cofinoga Laser Carte Bleue	[WEBSITE]
Payment from Applicable	All Allowed Countries	[WEBSITE]

- **Enable** the desired method.
- Select which order statuses to use. You can create your own statuses via **System > Order Statuses** in Magento. Link them to the states 'pending', 'pending\_payment' or 'processing'.

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Important: the status feedback from ePDQ does not work behind a firewall, localhost, maintenance mode, htpasswd, htaccess ip deny, etc. Status updates only work if the site can be contacted by ePDQ.

## Configure DirectLink CreditCards

There are two CreditCard payment methods for ePDQ. A 'regular' one that redirects customers to ePDQ. There is also the DirectLink variant (depends on your ePDQ contract). Below is the configuration for Directlink:

Barclaycard ePDQ - Credit Cards		
Enabled	<input type="text" value="No"/>	[WEBSITE]
Title	<input type="text" value="Barclaycard ePDQ - Credit Cards"/>	[STORE VIEW]
New Order Status	<input type="text" value="Pending"/>	[WEBSITE]
Pending Payment Status	<input type="text" value="Pending Payment"/>	[WEBSITE]
Processing Order Status	<input type="text" value="Processing"/>	[WEBSITE]
Allowed Cards	<input type="text" value="American Express&lt;br/&gt;Visa&lt;br/&gt;MasterCard&lt;br/&gt;JCB&lt;br/&gt;Solo&lt;br/&gt;Diners Club&lt;br/&gt;Dankort&lt;br/&gt;Cofinoga&lt;br/&gt;Laser&lt;br/&gt;Carte Bleue"/>	[WEBSITE]
	<small>▲ Restrict which cards to show on the ePDQ payment page.</small>	
Payment from Applicable Countries	<input type="text" value="All Allowed Countries"/>	[WEBSITE]

- Now you must enter the **DirectLink User ID** which you created in the ePDQ dashboard under **Configuration > User**.
- Also enter the **DirectLink API User Password**
- Enter the DirectLink **SHA-IN Pass phrase** - remember, this is a different one from the 'regular' SHA-IN
- ?Set the **payment action** to *Authorize and Capture* for immediate payments

That's it, now you can accept payments with ePDQ.

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