

Read me guide to “DIBS official osCommerce module”

1.Introduction

DIBS has created a plug-in-module for osCommerce that offers you a smoother integration.

Before starting to use our module we recommend you to contact our sales department. By doing so, you can ensure that you get the right payment methods, currencies, and know which of our payment windows best suits your business.

In order to go live with your payments you will also need a part that collects and deposit your money. This part is called acquirer. For the most common payment types, VISA and MasterCard, we are happy to offer DIBS Account which can be used instead of an acquirer. For other payment types, DIBS has partnered with a number of acquirers who offer a wide variety of options.

Our sales departments will also help you to get a DIBS ID for testing, which is needed to integrate the module. With the “test account” you can complete the integration and make test transactions with our test cards.

2. Information about the module

Module last updated	2013-09-26.
Module tested on Magentoversions:	2.2, 2.3, 2.3.1, 2.3.2, 2.3.3, 2.3.3.2, 2.3.3.3, 2.3.3.4
	(The module might work on other versions but is not tested).
DIBS modulenames and versions:	DIBS PW and Mobile: 4.0.6
	Flexwin 3.0.2

3. How to install and configure DIBS Payment system for the module

Start by configuring your DIBS account to work with the module. You need to choose if you shall work with DIBS Payment Window or DIBS Flexwin.

3.1 Configure DIBS for “DIBS Payment Window“

Return values - Start by logging in to DIBS Administration system. Click on “Integration” and “return values”. Then check all boxes as bellow and click on “save settings”.

Make sure that all return values are activated and save the settings.

The screenshot shows the DIBS Administration interface. The top header includes the DIBS logo and 'DIBS Administration'. A left sidebar contains a menu with options like Payments, Statistics, Ops Status, Setup, Integration, E-mail, Logo, FlexWin, Cardholder Info, Own pages, Accept Page, Decline Page, IP for relay.cgi, Shop IP, MDS Keys, PayWin Theme, HMAC key, CVC/CVV, Fraud Protection, Return Values, Callback, and Help Desk. The main content area is titled 'Choice of extra return variables from auth.cgi' and contains a list of variables with checkboxes, all of which are checked. The variables are: Order ID, Paytype, Agreement (acquirer), Acquirers merchant-ID, Card number with last four digits unmasked, Card prefix, Card issuing country (only VISA and MC), All fields exclusive of card information response. This option permits creation of additional fields on the payment form compatible with the CGI-script, Card enrollment status (3DSecure transactions only), and Transaction status code. A 'Save settings' button is at the bottom of the list.

Variable	Selected
Order ID	<input checked="" type="checkbox"/>
Paytype	<input checked="" type="checkbox"/>
Agreement (acquirer)	<input checked="" type="checkbox"/>
Acquirers merchant-ID	<input checked="" type="checkbox"/>
Card number with last four digits unmasked	<input checked="" type="checkbox"/>
Card prefix	<input checked="" type="checkbox"/>
Card issuing country (only VISA and MC)	<input checked="" type="checkbox"/>
All fields exclusive of card information response. This option permits creation of additional fields on the payment form compatible with the CGI-script.	<input checked="" type="checkbox"/>
Card enrollment status (3DSecure transactions only)	<input checked="" type="checkbox"/>
Transaction status code	<input checked="" type="checkbox"/>

Activate your HMAC Key – Click on “Integration” and “HMAC key”. Then mark and perform HMAC Checksum control and click on “update”. The HMAC key is to be used later on in the process.

DIBS AB

DIBS
Payment Services
DIBS Administration

Payments
Statistics
Ops Status
Setup
Integration
E-mail
Logo
FlexWin
Cardholder Info
Own pages
Accept Page
Decline Page
IP for relay.cgi
Shop IP
MD5 Keys
PayWin Theme
HMAC key
CVC/CVV
Fraud Protection
Return Values
Callback
Help Desk

Choice of extra return variables from auth.cgi

Here one can choose which CGI variables are to be sent back from auth.cgi. These extra variables connect to accepturl/declineurl as well as with the DIBS generated variables.

☒ Order ID
☒ Paytype
☒ Agreement (acquirer)
☒ Acquirers merchant-ID
☒ Card number with last four digits unmasked
☒ Card prefix
☒ Card issuing country (only VISA and MC)
☒ All fields exclusive of card information response. This option permits creation of additional fields on the payment form compatible with the CGI-script.
☒ Card enrollment status (3D Secure transactions only)
☒ Transaction status code

Save settings

3.2 Configure DIBS for "DIBS Flexwin"

Return values - Start by logging in to DIBS Administration system. Click on "Integration" and "return values". Then check all boxes as bellow and click on "save settings".

Make sure that **all return values** are activated and save the settings.

DIBS AB

DIBS
Payment Services
DIBS Administration

Payments
Statistics
Ops Status
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Integration
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Cardholder Info
Own pages
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Choice of extra return variables from auth.cgi

Here one can choose which CGI variables are to be sent back from auth.cgi. These extra variables connect to accepturl/declineurl as well as with the DIBS generated variables.

☒ Order ID
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☒ Acquirers merchant-ID
☒ Card number with last four digits unmasked
☒ Card prefix
☒ Card issuing country (only VISA and MC)
☒ All fields exclusive of card information response. This option permits creation of additional fields on the payment form compatible with the CGI-script.
☒ Card enrollment status (3D Secure transactions only)
☒ Transaction status code

Save settings

Activate MD5 control – Click on "Integration" and "MD5 keys". Then mark and perform MD5 control and click on "update". The MD5 Key is to be used later on in the process.

DIBS AB

DIBS
Payment Services
DIBS Administration

Payments
Statistics
Ops Status
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Integration
E-mail
Logo
FlexWin
Cardholder Info
Own pages
Accept Page
Decline Page
IP for relay.cgi
Shop IP
MD5 Keys
PayWin Theme
HMAC key
CVC/CVV
Fraud Protection
Return Values
Callback
Help Desk

MD5-control of payments

MD5-keys for DIBS AB is displayed in the following vway::

k1 |5&EOWy%_%eULfr:LkWDADYq1}}LWe^{
k2 |jWP0-9w0EDhIS~M?_RZ6s&l6?nhhtEm

Control:
The calculation MD5(k2 + MD5(k1 + "transact=10117&amount=9995¤cy=208")) should result in the key **bd3ce1fe467d05a224800384ab5f0e76**

In case you want DIBS to check the MD5 checksum (md5key) when calling auth.cgi/capture.cgi/refund.cgi, tick the checkbox below (Please note: any call where the md5key is either missing or wrong will be declined)

Perform MD5 control: ☐

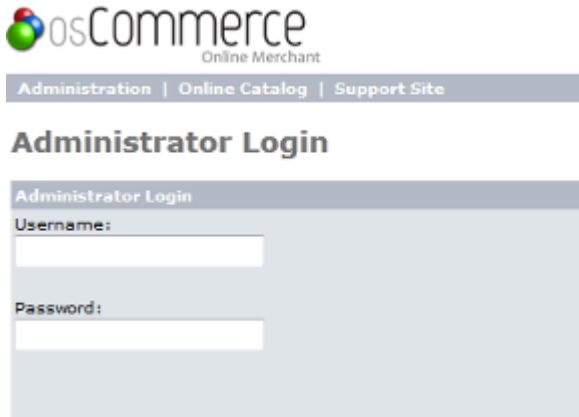
Update

You will find a description of how to use the MD5-keys here.

4. How to install and configure DIBS osCommerce module

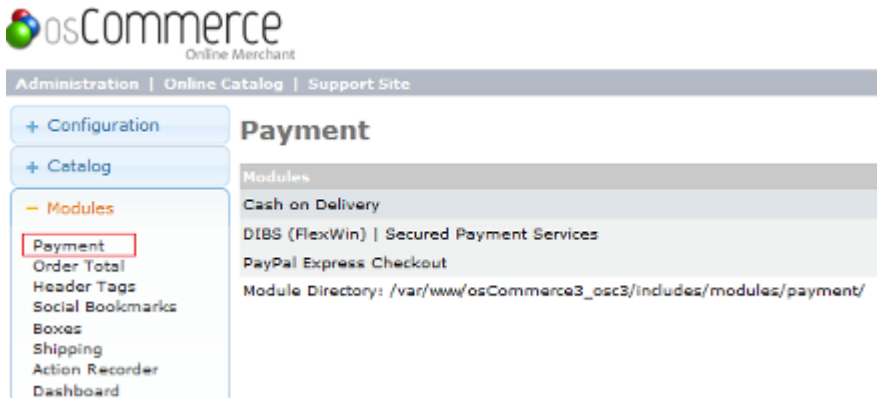
The next step is to install the DIBS osCommerce module in your webshop

- 4.1. Install the module
- 4.2. Find directory catalog in the unpacked module files.
- 4.3. Copy the contents of catalog folder to root of your osCommerce installation
(please, keep the same directories structure).
- 4.4. Agree with all "Merge folder?" proposals. Normally it will not ask you to replace the files if you don't have a previous DIBS module installed.
- 4.5. Login as Administrator <https://yoursitedomain.com/admin/login.php>



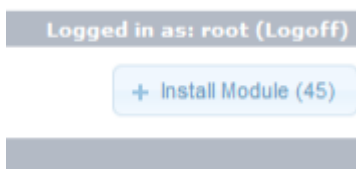
The screenshot shows the osCommerce Administrator Login page. At the top is the osCommerce logo with the tagline "Online Merchant". Below it is a navigation bar with links for "Administration", "Online Catalog", and "Support Site". The main heading is "Administrator Login". Below this is a form with two input fields: "Username:" and "Password:". The form is set against a light blue background.

- 4.6. Click on Modules Payment



The screenshot shows the osCommerce Modules Payment page. At the top is the osCommerce logo with the tagline "Online Merchant". Below it is a navigation bar with links for "Administration", "Online Catalog", and "Support Site". On the left is a sidebar menu with a tree structure. The "Modules" folder is expanded, and the "Payment" sub-folder is highlighted with a red box. The main content area is titled "Payment" and lists several modules: "Cash on Delivery", "DIBS (FlexWin) | Secured Payment Services", and "PayPal Express Checkout". Below the list is the "Module Directory" path: "/var/www/osCommerce3_osc3/includes/modules/payment/".

- 4.7 Click on Install Module.



The screenshot shows a button labeled "+ Install Module (45)". Above the button is a status bar that says "Logged in as: root (Logoff)". The button is light blue with a dark blue border and text.

- 4.8 Click on DIBS Payment Module and then click Install Module.

Payment

[← Back](#)

Modules	Sort Order	Action	DIBS (PW) Secured Payment Services
Authorize.net Credit Card AIM			+ Install Module
Authorize.net Credit Card SIM			
ChronoPay			Version: 4.0.0 (online status)
DIBS (PW) Secured Payment Services			API Version: 3.1
Inpay - instant online bank transfers			
iPayment (Credit Card)			Credit Card (Secure payment through DIBS Payment Services)
iPayment (ELV)			
iPayment (Prepaid)			
Moneybookers - Core Module			

4.9 Click on Edit:

Modules	Sort Order	Action	DIBS (PW) Secured Payment Services
Cash on Delivery	0		Edit
DIBS (PW) Secured Payment Services	0		Remove Module
DIBS (FlexWin) Secured Payment Services	0		
PayPal Express Checkout	0		
Module Directory: /var/www/osCommerce3_osc3/includes/modules/payment/			Version: 4.0.0 (online status) API Version: 3.1 Credit Card (Secure payment through DIBS Payment Services) Enable DIBS module: False Title: DIBS (PW) Secure Payment Services Merchant Id: Checkout type: 2 Test mode: yes Unique order Id: no Add fee: no

4.10 Fill out the module settings like merchantid, HMAC e.t.c

4.11. Click on "Save"



4.12. The process is the same for FlexWin and DIBS Payment Window.

5. Before you go live

We recommend performing test transactions before your shop goes Live. In our 10-step guide you will [find test cards for your own tests](#). When you see that it works with the test cards, you can remove the "test-parameter" and perform transactions with real cards. We would also like to recommend you to test transactions with the different currencies that you want to be activated.

When this works, and you can track the payments in DIBS Administration, the technical integration is done.

On our techsite you will also [find logos](#) and more information about what your site needs to show in order to follow [rules and regulations](#) from your acquiring partner.

When you have been through the steps above you will be set to go Live!

6. Common problems and solutions

6.1 DIBS Payment Window – Problems and Solutions

i. Problem: Calling DIBS Payment Window throws error “A technical error has occurred”

i. Solution to: Calling DIBS Payment Window throws error “A technical error has occurred”

There can be various reasons and solutions to this message:

A: Your agreement with DIBS is not yet in a live state, but the test mode setting in the module is set to false/no. Your agreement will be set live when you have signed an acquirer agreement and a site inspection has been made by DIBS in your webshop. We will notify you in writing when the acquirer agreement has been tested.

For more information regarding the site inspection and steps needed before your agreement is put in live mode, please see the following steps

- http://tech.dibs.dk/10_step_guide/site_inspection/

- http://tech.dibs.dk/10_step_guide/go_ahead/

B: Your agreement with DIBS is put in live mode, but the test mode setting is still activated in the module. If you have received confirmation from us that your agreement with DIBS has been set live, the test mode setting in the module must be deactivated in order to carry out live payments. Check that test mode is set to false/no in the module

The error message will show the following information if test mode is activated in the module, but deactivated in DIBS:

The following fields had validation errors:

currency - There are no payment types available in test matching that currency

C: Your agreement with DIBS does not support the currency. Check that you have signed an acquirer agreement for the currency. If not, please contact the acquirer to add the currency to your agreement. The acquirer will relay this information to DIBS, but please note that adding currencies might take a few days.

Please contact DIBS support for additional information regarding the status of your agreement and available currencies.

D: The module is configured with incorrect HMAC value. The error message will include the following information: The following fields had validation errors: MAC - did not match calculated value.

Check that the values of HMAC key in the module corresponds to the exact same value generated in the DIBS Administration for the Merchant ID you are using. The key is found in the DIBS Admin Integration HMAC

6.2 Flexwin - Problems and solutions

6.3 Problem: Calling FlexWin returns “No paytype(s)! Missing test parameter?”



DIBS TEST



No paytype(s)! Missing test parameter?

Payment declined

Cancel

Purchase Information

The shop's order
number

1370858037

Amount

1.00 USD

6.4 Solutions to: Calling FlexWin returns "No paytype(s)! Missing test parameter?"

There can be various reasons and solutions to this message:

A: Your agreement with DIBS is not yet in a live state, but the test mode setting in the module is set to false/no. Your agreement will be set live when you have signed an acquirer agreement and a site inspection has been made by DIBS in your webshop. We will notify you in writing when the acquirer agreement has been tested.

For more information regarding the site inspection and steps needed before your agreement is put in live mode, please see the following steps

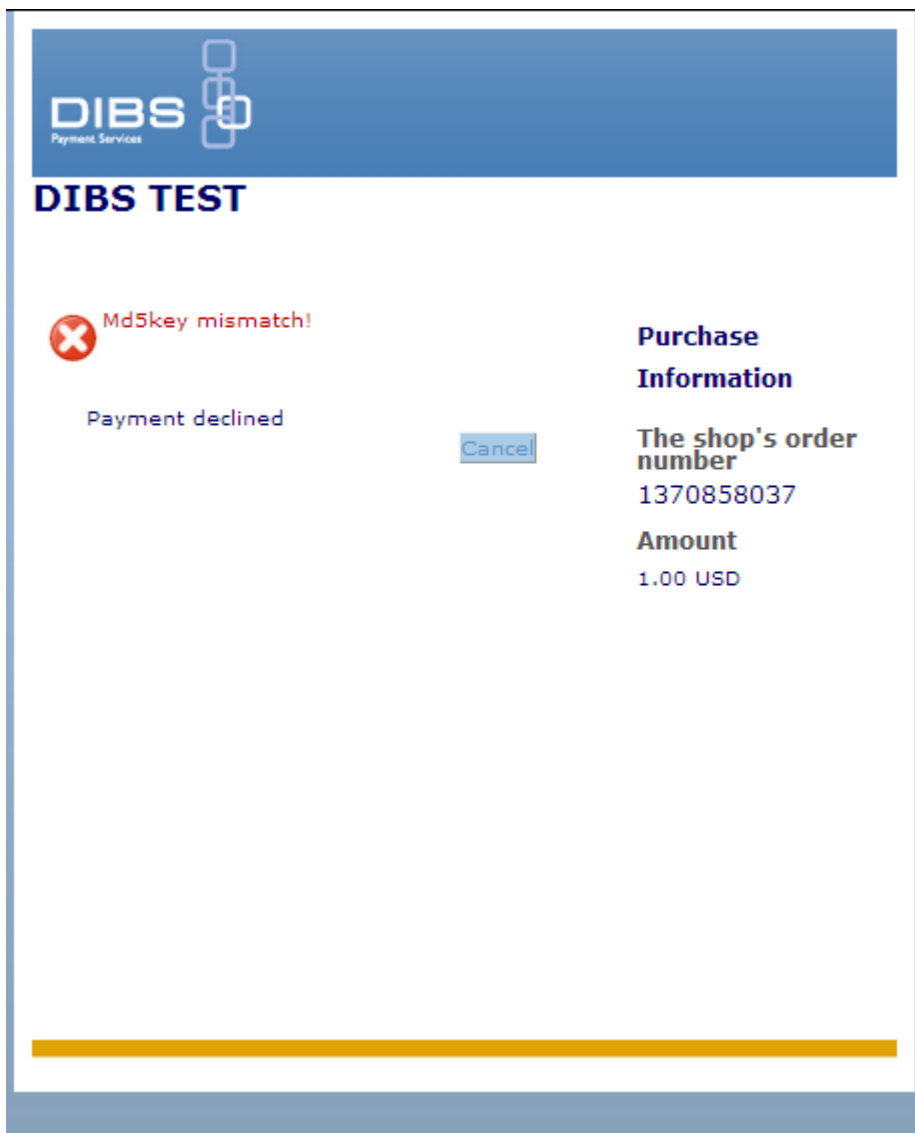
- http://tech.dibs.dk/10_step_guide/site_inspection/
- http://tech.dibs.dk/10_step_guide/go_ahead/

B: Your agreement with DIBS is put in live mode, but the test mode setting is still activated in the module. If you have received confirmation from us that your agreement with DIBS has been set live, the test mode setting in the module must be deactivated in order to carry out live payments. Check that test mode is set to false/no in the module.

C: Your agreement with DIBS does not support the currency. Check that you have signed an acquirer agreement for the currency. If not, please contact the acquirer to add the currency to your agreement. The acquirer will relay this information to DIBS, but please note that adding currencies might take a few days.

Please contact DIBS support for additional information regarding the status of your agreement and available currencies.

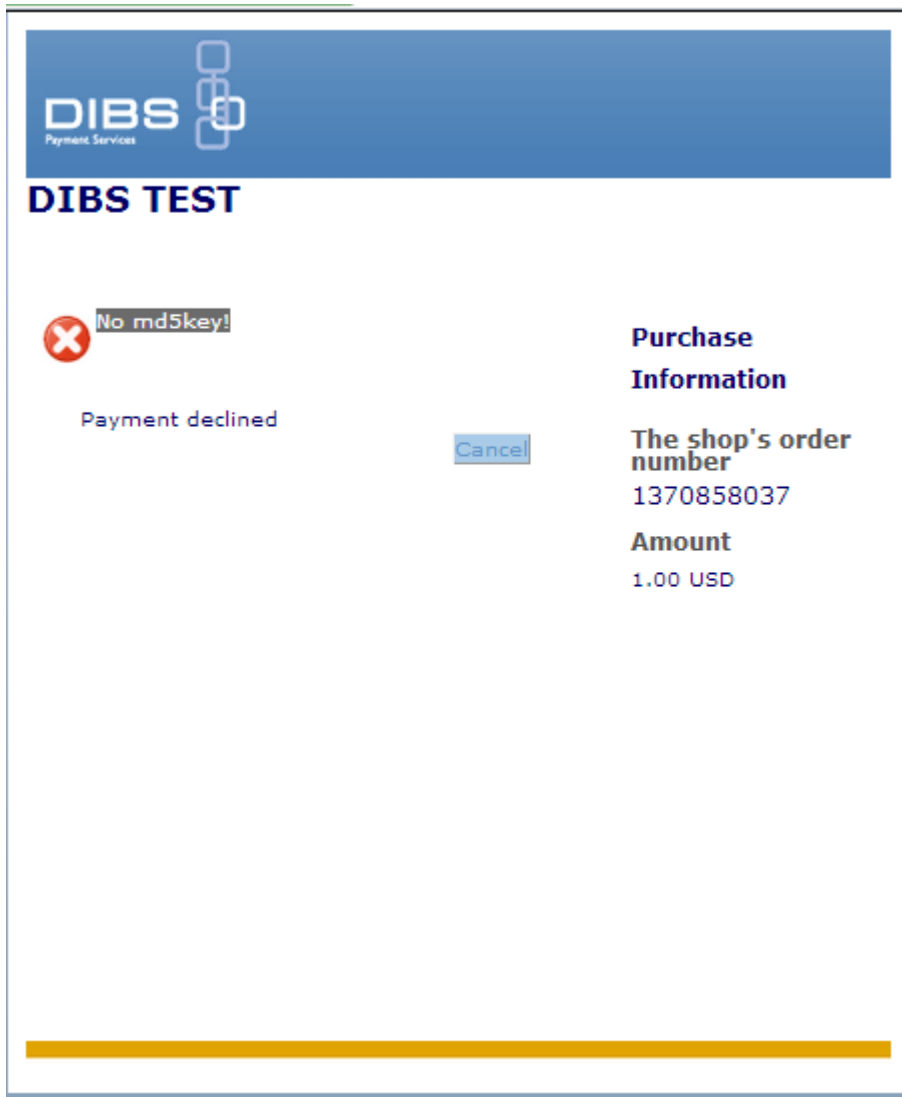
6.5 Problem: Calling FlexWin returns "Md5Key mismatch!" error message.



6.6 Solution to: Calling FlexWin returns "Md5Key mismatch!" error message.

Check that the values of the MD5 key 1 and 2 in the module corresponds to the exact same values generated in the DIBS Administration for the Merchant ID you are using. The keys are found in the DIBS Admin Integration MD5 Keys

6.7 Problem: Calling FlexWin returns "no md5key!"



6.8 Solution to: Calling FlexWin returns "no md5key!"

Check that the values of the MD5 key 1 and 2 in the module corresponds to the exact same values generated in the DIBS Administration for the Merchant ID you are using. The keys are found in the DIBS Admin Integration MD5 Keys.

Should you wish to deactivate the MD5 key control (not recommended), you can do so in the DIBS Administration. The MD5 keys must also be removed from the module settings. Please notice that any spaces in the MD5 key 1 or 2 fields is interpreted as content.

7. Help, contact and tips n'tricks

Contact us!

We want to get in contact with you and learn more of what you want us to focus on and how you think we can improve our modules. Please mail DIBS Opensource team directly on: opensource@payment.com

Or get in contact with us through <https://github.com/DIBS-Payment-Services/osCommerce>. We are happy to get your input and help.

Support

In case you need help from our support you can mail: opensource@payment.com

Or contact our support via telephone: +46 8 52752500

For a better and quicker support please include the following details in your mail to us:

- Your Merchant id with DIBS
- Name and version of the opensource module
- Version of the DIBS module you are using
- Other info ex. Do you use any extension to the system that differs from the "default" setup.

Thank you for using our Module!

Best Regards,

DIBS Payment Services