Sage Pay

Sage Pay modules for osCommerce Online Merchant.

Chapters

📁 osCommerce Online Merchant v2.3

📁 Sage Pay Account Settings

Copyright

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osCommerce Online Merchant v2.3

Pages

sage pay

Form v2.0

for osCommerce Online Merchant v2.3

Sage Pay Form is the simplest integration method to start accepting payments online and is recommended for websites hosted on a shared server plan.

- No card data is collected, stored or transferred on your site
- Get automated email notifications when transactions require your attention
- Look and feel fully customisable
- Automated confirmation emails are optionally sent to shoppers when a transaction is processed
- Let Sage Pay take care of hosting your payment pages and handling card data
- Simplified PCI compliance requirements

Apply for a Sage Pay Account

Sage Pay Form is bundled with osCommerce Online Merchant and is also available as a separate Add-On package existing store owners can use to upgrade to.

The Sage Pay Form payment module supports the following features:

- PayPal payments

This document can be found online at:

http://library.oscommerce.com/Package&en&sage_pay&oscom23&form

Features

PayPal Payments

PayPal payments can be accepted as a payment method through Sage Pay. This requires PayPal to be added as a supported payment method to your Sage Pay account and your PayPal seller account to be linked to your Sage Pay account.

Please refer to Linking PayPal to Your Account for instructions on how to link PayPal to your account.

Configuration Settings

Parameter	Description	Default
Enable Sage Pay Form Module	Setting this parameter to *True* makes the payment method available to customers during the checkout procedure.	*True*
Vendor Login Name	The vendor login name used to connect to the transaction gateway with.	
Encryption Password	The password used to encrypt and secure transactions with.	
Transaction Method	The following transaction methods are available to process transactions with: **Authenticate** The *Authenticate* transaction method only verifies the card and card holder using the 3D-Secure mechanism provided by the card-schemes and card issuing banks. Authorisations and Settlements of transactions are performed manually on the My Sage Pay Admin interface. **Deferred** The *Deferred* transaction method verifies and authorises the transaction and is captured manually on the My Sage Pay Admin Interface. **Payment** The *Payment* transaction method verifies, authorises, and transfers the funds to your Merchant account via batch settlement.	*Authenticate*
Vendor E-Mail Notification	An e-mail address on which you can be contacted when a transaction completes. If you wish to use multiple email addresses, you should add them using the colon character as a separator. e.g. me@mail1.com:me@mail2.com	

Parameter	Description	Default
	If provided, an e-mail will be sent to this address when each transaction completes (successfully or otherwise).	

Send E-Mail Notifications	Who to send an e-mail to.
	
	No One
	  Do not send either customer or vendor e-mails.
	Customer and Vendor
	  Send customer and vendor e-mails if addresses are provided.
	Vendor Only
	  Send vendor e-mail but NOT the customer e-mail.
		Customer and Vendor

Customer E-Mail Message	A message to the customer which is inserted into the successful transaction e-mails only. If provided this message is included toward the top of the customer confirmation e-mails.	
Set Order Status	The orders status will be updated to this value when a successful transaction has been made.	*Default Order Status*
Transaction Order Status	Transactions are logged in this private order status level.	*Sage Pay [Transactions]*
Payment Zone	If set, this payment method will only be available to orders made within the defined zone.	
Transaction Server	The following transaction servers are available to process transactions through: **Live** The *Live* server is used in production environments to process and receive payments from customers. **Test**	*Live*

Parameter	Description	Default
	The *Test* server is only used to test transactions with. No transactions are processed and no payments are made when transactions are being tested.	
Debug E-Mail Address	Send invalid transaction parameters to this e-mail address.	
Sort Order	The position to show the payment method on the checkout payment page against other available payment methods.	

Add-On Package

The separate Sage Pay Form Add-On package is available at:

http://addons.oscommerce.com/info/6983

Online Demonstration

An online demonstration is available at:

http://demo.oscommerce.com

For the online demonstration, Sage Pay Form has been configured with Sage Pay's test server environment and requires a test payment card to purchase an order.

Manual Installation (as an Add-On)

After extracting the Add-On package, copy the files located in the *catalog* directory to your osCommerce installation directory on the server. The files must be copied in the correct directory structure as extracted from the Add-On package.

The file listing is as follows:

- ext/modules/payment/sage_pay/errors.php
- includes/languages/english/modules/payment/sage_pay_form.php
- includes/modules/payment/sage_pay_form.php

The standard language definitions in English are provided in the Add-On package. For additional languages, copy the English language definition file to the appropriate language directory and open the file with a text editor to edit the language definitions. The location of the language definition file must be in:

- includes/languages/*LANGUAGE*/modules/payment/sage_pay_form.php

When the files have been copied to their appropriate locations, the payment module will be available on the Administration Tool -> Modules -> Payment -> Install Module page where it can be installed, or on the Administration Tool -> Modules -> Payment page if the module was already previously installed.

If the module was already previously installed, it is important to visit the module configuration page to make sure new parameters are automatically installed in the database.

Changelog

v2.0 01-Jun-2014

- Use API 3.00.

- Label public title with test tag when in testing mode.

- Allow debug transaction information to be sent in an e-mail for failed transactions.

- Include transaction information in a private order status level.

v1.2 04-Sep-2009

- Added VendorEMail, SendEMail, and eMailMessage parameters.

v1.1 01-Sep-2009

- Fixed Live/Production Transaction Server parameter value to "Live".

v1.0 28-Aug-2009

- Initial Release

Server v2.0

for osCommerce Online Merchant v2.3

Sage Pay Server requires you to have your own server to communicate with our payment systems and to store additional transaction information. You won't need to handle card details but it is recommended that you get an SSL certificate. Shoppers will be redirected to Sage Pay's payment pages during the checkout process.

- Collect and store additional transaction information on your server
- Develop your own transaction reporting
- Build your own automated transaction functions
- Card details are handled by Sage Pay
- Simplified PCI compliance requirements

Apply for a Sage Pay Account

Sage Pay Server is bundled with osCommerce Online Merchant and is also available as a separate Add-On package existing store owners can use to upgrade to.

The Sage Pay Server payment module supports the following features:

- PayPal payments
- SSL Certificate verified transactions

This document can be found online at:

http://library.oscommerce.com/Package&en&sage_pay&oscom23&server

Features

PayPal Payments

PayPal payments can be accepted as a payment method through Sage Pay. This requires PayPal to be added as a supported payment method to your Sage Pay account and your PayPal seller account to be linked to your Sage Pay account.

Please refer to Linking PayPal to Your Account for instructions on how to link PayPal to your account.

SSL Certificate Verified Transactions

All secured API transaction calls sent to Sage Pay are performed by verifying Sage Pay's SSL certificates to guarantee the identity of Sage Pay. This is performed by using the following public keys in order if they are available:

- ext/modules/payment/sage_pay/sagepay.com.crt
- includes/cacert.pem (public key bundle)
- the web server configured public key bundle

A test connection link is available on the payment module configuration page which can be used to test if API transaction calls to Sage Pay can be verified from your web server. If the test connection fails, please contact your hosting provider as they may need to update your web server configuration. The SSL certificate verification can also be disabled on the payment module configuration page however it is highly discouraged to disable.

Configuration Settings

Parameter	Description	Default
Enable Sage Pay Server Module	Setting this parameter to *True* makes the payment method available to customers during the checkout procedure.	*True*
Vendor Login Name	The vendor login name used to connect to the transaction gateway with.	
Profile Payment Page	Profile page to use for the payment page. **Normal** 　Redirect the customer to the payment page hosted at Sage Pay. **Low** 　Load the Sage Pay payment page through an iframe in the checkout procedure.	*Normal*
Transaction Method	The following transaction methods are available to process transactions with: **Authenticate** 　The *Authenticate* transaction method only verifies the card and card holder using the 3D-Secure mechanism provided by the card-schemes and card issuing banks. Authorisations and Settlements of transactions are performed manually on the My Sage Pay Admin interface. **Deferred** 　The *Deferred* transaction method verifies and authorises the transaction and is captured manually on the My Sage Pay Admin Interface. **Payment** 　The *Payment* transaction method verifies, authorises, and transfers the funds to your Merchant account via batch settlement.	*Authenticate*

Parameter	Description	Default
Set Order Status	The orders status will be updated to this value when a successful transaction has been made.	*Default Order Status*
Transaction Order Status	Transactions are logged in this private order status level.	*Sage Pay [Transactions]*
Payment Zone	If set, this payment method will only be available to orders made within the defined zone.	
Transaction Server	The following transaction servers are available to process transactions through: **Live** The *Live* server is used in production environments to process and receive payments from customers. **Test** The *Test* server is only used to test transactions with. No transactions are processed and no payments are made when transactions are being tested.	*Live*
Verify SSL Certificate	Verify Sage Pay's identity when API communication calls are sent.	*True*
Proxy Server	Send API communication calls through this proxy server.	
Debug E-Mail Address	Send invalid transaction parameters to this e-mail address.	
Sort Order	The position to show the payment method on the checkout payment page against other available payment methods.	

Add-On Package

The separate Sage Pay Server Add-On package is available at:

http://addons.oscommerce.com/info/6984

Online Demonstration

An online demonstration is available at:

http://demo.oscommerce.com

For the online demonstration, Sage Pay Server has been configured with Sage Pay's test server environment and requires a test payment card to purchase an order.

Manual Installation (as an Add-On)

After extracting the Add-On package, copy the files located in the *catalog* directory to your osCommerce installation directory on the server. The files must be copied in the correct directory structure as extracted from the Add-On package.

The file listing is as follows:

- ext/modules/payment/sage_pay/checkout.php
- ext/modules/payment/sage_pay/errors.php
- ext/modules/payment/sage_pay/redirect.php
- ext/modules/payment/sage_pay/server.php
- includes/languages/english/modules/payment/sage_pay_server.php
- includes/modules/payment/sage_pay_server.php

The standard language definitions in English are provided in the Add-On package. For additional languages, copy the English language definition file to the appropriate language directory and open the file with a text editor to edit the language definitions. The location of the language definition file must be in:

- includes/languages/*LANGUAGE*/modules/payment/sage_pay_server.php

When the files have been copied to their appropriate locations, the payment module will be available on the Administration Tool -> Modules -> Payment -> Install Module page where it can be installed, or on the Administration Tool -> Modules -> Payment page if the module was already previously installed.

If the module was already previously installed, it is important to visit the module configuration page to make sure new parameters are automatically installed in the database.

Changelog

v2.0 01-Jun-2014

- Use API 3.00.

- Use a stateless NotificationURL to verify transactions.

- Label public title with test tag when in testing mode.

- Allow debug transaction information to be sent in an e-mail for failed transactions.

- Include transaction information in a private order status level.

- Add Test API Server Connection link in module configuration page.

- Verify SSL connections with public key certificate.

v1.2 07-Sep-2012

- Fixed generated URLs (tep_href_link() produces & in URLs which need to be replaced with & in the payment module)

v1.1 01-Sep-2009

- Fixed Live/Production Transaction Server parameter value to "Live".

- Added "SWITCH" to the verification of the "CardType" parameter (this was not noted in the API documentation)

v1.0 28-Aug-2009

- Initial Release

Direct v3.0

for osCommerce Online Merchant v2.3

Sage Pay Direct is essentially a white-label payment solution giving you complete control over the way you process payments. Collect the card details through your own secure servers and securely pass them across to Sage Pay for authorisation and storage.

- Shoppers stay on your site
- Design, manage and host your own payment pages
- Develop your own transaction reporting
- Build your own automated transaction functions
- Fully integrate with your backend systems (ie call centre software, CRM solutions, etc)
- You will need to get your own PCI DSS certification and SSL certificates

Apply for a Sage Pay Account

Sage Pay Direct is bundled with osCommerce Online Merchant and is also available as a separate Add-On package existing store owners can use to upgrade to.

The Sage Pay Direct payment module supports the following features:

- Securely stored payment cards (Tokens)
- PayPal payments
- SSL Certificate verified transactions

This document can be found online at:

http://library.oscommerce.com/Package&en&sage_pay&oscom23&direct

Features

Securely Stored Payment Cards (Tokens)

Stored tokens allows customers to securely save their card payment information during their purchase and to reference the stored card in their next purchase without having to re-type their card information again. The card payment information is securely stored at Sage Pay's servers and is referenced with a unique token code.

Requirements

Stored tokens requires the following:

- Sage Pay Cards Management Page content module; it is important to enable the Sage Pay Cards Management Page content module to allow customers to manage their stored cards in their account area. The content module can be found on the Administration Tool -> Modules -> Content -> Install Module page.
- Content Modules; as Sage Pay Cards Management Page is a content module, it requires the Content Modules implementation introduced in osCommerce Online Merchant v2.3.4. Please refer to its release notes to add the implementation into your existing store.

PayPal Payments

PayPal can be provided as a card payment method option. This requires PayPal to be added as a supported payment method to your Sage Pay account and your PayPal seller account to be linked to your Sage Pay account.

Please refer to Linking PayPal to Your Account for instructions on how to link PayPal to your account.

SSL Certificate Verified Transactions

All secured API transaction calls sent to Sage Pay are performed by verifying Sage Pay's SSL certificates to guarantee the identity of Sage Pay. This is performed by using the following public keys in order if they are available:

- ext/modules/payment/sage_pay/sagepay.com.crt
- includes/cacert.pem (public key bundle)
- the web server configured public key bundle

A test connection link is available on the payment module configuration page which can be used to test if API transaction calls to Sage Pay can be verified from your web server. If the test connection fails, please contact your hosting provider as they may need to update your web server configuration. The SSL certificate verification can also be disabled on the payment module configuration page however it is highly discouraged to disable.

Configuration Settings

Parameter	Description	Default
Enable Sage Pay Direct Module	Setting this parameter to *True* makes the payment method available to customers during the checkout procedure.	*True*
Vendor Login Name	The vendor login name used to connect to the transaction gateway with.	
Verify With CVC	Setting this parameter to *True* verifies the billing address with the Credit Card Verification Checknumber (CVC).	*True*
Create Tokens	Allows customers to store their payment cards securely at Sage Pay and reference the cards for future payments via tokens.	*False*
Transaction Method	The following transaction methods are available to process transactions with: **Authenticate** The *Authenticate* transaction method only verifies the card and card holder using the 3D-Secure mechanism provided by the card-schemes and card issuing banks. Authorisations and Settlements of transactions are performed manually on the My Sage Pay Admin interface. **Deferred** The *Deferred* transaction method verifies and authorises the transaction and is captured manually on the Sage Pay Admin Interface. **Payment** The *Payment* transaction method verifies, authorises, and transfers the funds to your Merchant account via batch settlement.	*Authenticate*
Set Order Status	The orders status will be updated to this value when a successful transaction has been made.	*Default Order Status*
Transaction Order Status	Transactions are logged in this private order status level.	*Sage Pay [Transactions]*
Payment Zone	If set, this payment method will only be available to orders made within the defined zone.	

Parameter	Description	Default
Transaction Server	The following transaction servers are available to process transactions through: **Live** The *Live* server is used in production environments to process and receive payments from customers. **Test** The *Test* server is only used to test transactions on the Production server. No transactions are processed and no payments are made when transactions are being tested.	*Live*
Verify SSL Certificate	Verify Sage Pay's identity when API communication calls are sent.	*True*
Proxy Server	Send API communication calls through this proxy server.	
Debug E-Mail Address	Send invalid transaction parameters to this e-mail address.	
Sort Order	The position to show the payment method on the checkout payment page against other available payment methods.	
Accept Visa	Setting this parameter to *True* allows Visa payments to be accepted.	*True*
Accept Mastercard	Setting this parameter to *True* allows Mastercard payments to be accepted.	*True*
Accept Mastercard Debit	Setting this parameter to *True* allows Mastercard Debit payments to be accepted.	*True*
Accept Visa Delta/Debit	Setting this parameter to *True* allows Visa Delta/Debit payments to be accepted	*True*
Accept Maestro	Setting this parameter to *True* allows Maestro payments to be accepted.	*True*
Accept Visa Electron UK Debit	Setting this parameter to *True* allows Visa Electron UK Debit payments to be accepted.	*True*
		True

Parameter	Description	Default
Accept American Express	Setting this parameter to *True* allows American Express payments to be accepted	
Accept Diners Club	Setting this parameter to *True* allows Diners Club payments to be accepted.	*True*
Accept Japan Credit Bureau	Setting this parameter to *True* allows Japan Credit Bureau payments to be accepted.	*True*
Accept Laser Card	Setting this parameter to *True* allows Laser Card payments to be accepted.	*True*
Accept PayPal	Setting this parameter to *True* allows PayPal payments to be accepted.	*False*

Add-On Package

The separate Sage Pay Direct Add-On package is available at:

http://addons.oscommerce.com/info/6985

Online Demonstration

An online demonstration is available at:

http://demo.oscommerce.com

For the online demonstration, Sage Pay Direct has been configured with Sage Pay's test server environment and requires a test payment card to purchase an order.

Manual Installation (as an Add-On)

After extracting the Add-On package, copy the files located in the *catalog* directory to your osCommerce installation directory on the server. The files must be copied in the correct directory structure as extracted from the Add-On package.

The file listing is as follows:

- ext/modules/content/account/sage_pay/cards.php
- ext/modules/payment/sage_pay/checkout.php
- ext/modules/payment/sage_pay/direct_3dauth.php
- ext/modules/payment/sage_pay/errors.php
- ext/modules/payment/sage_pay/redirect.php
- includes/languages/english/modules/content/account/cm_account_sage_pay_cards.php
- includes/languages/english/modules/payment/sage_pay_direct.php
- includes/modules/content/account/cm_account_sage_pay_cards.php
- includes/modules/payment/sage_pay_direct.php

The standard language definitions in English are provided in the Add-On package. For additional languages, copy the English language definition file to the appropriate language directory and open the file with a text editor to edit the language definitions. The location of the language definition file must be in:

- includes/languages/*LANGUAGE*/modules/content/account/cm_account_sage_pay_cards.php
- includes/languages/*LANGUAGE*/modules/payment/sage_pay_direct.php

When the files have been copied to their appropriate locations, the payment module will be available on the Administration Tool -> Modules -> Payment -> Install Module page where it can be installed, or on the Administration Tool -> Modules -> Payment page if the module was already previously installed.

If the module was already previously installed, it is important to visit the module configuration page to make sure new parameters are automatically installed in the database.

Changelog

v3.0 01-Jun-2014

- Support PayPal payments.

- Introduce Sage Pay Cards Management Content Module for the My Account page (requires osCommerce Online Merchant v2.3.4).

- Automatically select payment module if customer has stored card tokens.

v2.0 26-Jul-2013

- Use API 3.00.

- Support stored card tokens.

- Show month numbers instead of names for card expiry date.

- Dynamically show card start and issue number fields depending on card selected.

- Removed SOLO; Added LASER and MCDEBIT as allowed payment cards.

- Include transaction information in a private order status level.

- Add Test API Server Connection link in module configuration page.

- Verify SSL connections with public key certificate.

v1.1 01-Sep-2009

- Fixed Live/Production Transaction Server parameter value to "Live".

v1.0 28-Aug-2009

- Initial Release

Sage Pay Account Settings

Pages

- Linking PayPal to Your Account

Linking PayPal to Your Account

Accept PayPal payments and process refunds in the same way you would for card payments by using Sage Pay's cloud-based interface; MySagePay. The integration is easy and seamless and there is no further need to log in your PayPal account to make account changes.

Please be sure to link your Live PayPal account with your Live Sage Pay account, and for testing purposes to link your Sandbox PayPal account with your Test Sage Pay account.

Setting Up PayPal

Create or log into your live or sandbox PayPal account and go to the Profile -> Request API Credentials or API Access page. Here, under Option 1, select Grant API Permissions or Add or Edit API Permissions to be able to manage third party permissions.

If you have already granted third party applications access to your account profile, select Add New Third Party to start linking your account to Sage Pay. The following form will be presented:

PayPal

| My Account | Send Money | Request Money | Merchant Portal | Sell on eBay | Shopping-Portal |

Overview   Add Funds   Withdraw   History   Resolution Center   Profile

Add New Third Party Permissions

Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see Third Party Permissions.

Third Party Permission Username   [   ]   Lookup

Cancel

Enter the following in the Third Party Permission Username field and select Lookup:

Live Account	paypal_api1.protx.com
Test Account	ppdev_1256915571_biz_api1.sagepay.com

> The organization for the Live Account is displayed as SagePay, and for the
> Test Account as Rik Blacow's Test Store.

After entering the Third Party Permission Username, a list of permissions will be presented to choose which should be granted to Sage Pay. Please enable all permissions to successfully link your PayPal account with your Sage Pay account and select Add to save your settings.

PayPal

My Account | Send Money | Request Money | Merchant Portal | Sell on eBay | Shopping-Portal

Overview   Add Funds   Withdraw   History   Resolution Center   Profile

Add New Third Party Permissions

Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see Third Party Permissions.

Third Party Permission Username   ppdev_1256915571_biz_api1.sagepa   Lookup

Organization   Rik Blacow's Test Store

Available Permissions

See the Third Party Definitions for help.

☑ Use Express Checkout to process payments.
☑ Issue a refund for a specific transaction.
☑ Process your customers credit or debit card payments.
☑ Authorize and capture your PayPal transactions.
☑ Create and manage PayPal payment buttons on your website.
☑ Obtain your PayPal account balance.
☑ Obtain information about a single transaction.
☑ Search your transactions for items that match specific criteria and display the results.
☑ Charge an existing customer based on a prior transaction.
☑ Create and manage Recurring Payments.
☑ Obtain authorization for pre-approved payments and initiate pre-approved transactions.
☑ Accept or deny a pending transaction.
☑ Issue a refund for any prior transaction.
☑ Initiate transactions to multiple recipients in a single batch.
☑ Dynamically encrypt PayPal payment buttons on your web site.
☑ Generate consolidated reports for all accounts.
☑ Use Express Checkout to process mobile payments.
☑ Authorize transactions with Universal Air Travel Plans.
☑ Manage your invoicing through a third party.
☑ Generate reports for recurring billing and other outstanding orders.
☑ Capture payments in batches.
☑ Run dispute reports and issue batch refunds.
☑ Create and modify accounts, and run reports on them.

Add   Cancel

A confirmation page will then be shown to confirm the addition of the third party access.

PayPal

Manage Third Party Access

✓ You have successfully added ppdev_1256915571_biz_api1.sagepay.com.

Manage permission given to a third-party application to access specific information in your account and take actions on your behalf.

For more information about the permissions you are granting, see Third Party Permissions.

Third Party Username	Organization	
ppdev_1256915571_biz_api1.sagepay.com	Rik Blacow's Test Store	Edit Third Party ▼

Add New Third Party

Setting Up Sage Pay

Log into your live or test Sage Pay account with a user account that has administrator privileges and go to the Settings -> Pay Methods page. Here, on the bottom right corner of the page, select Set a PayPal Account to add your live or sandbox PayPal account details.
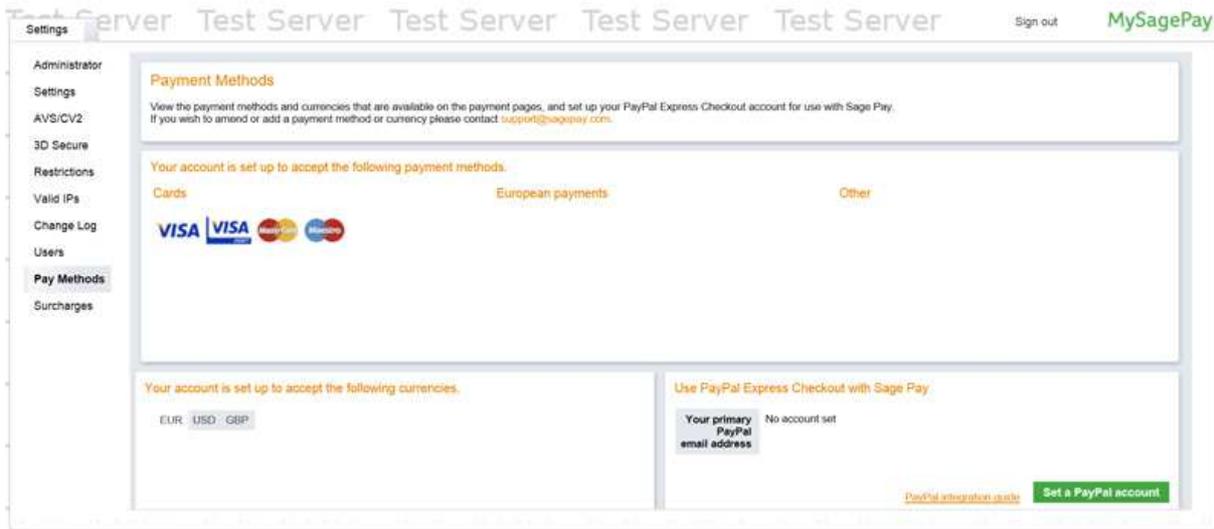
Enter your live or sandbox PayPal account e-mail address to link to and select Update to save your settings.
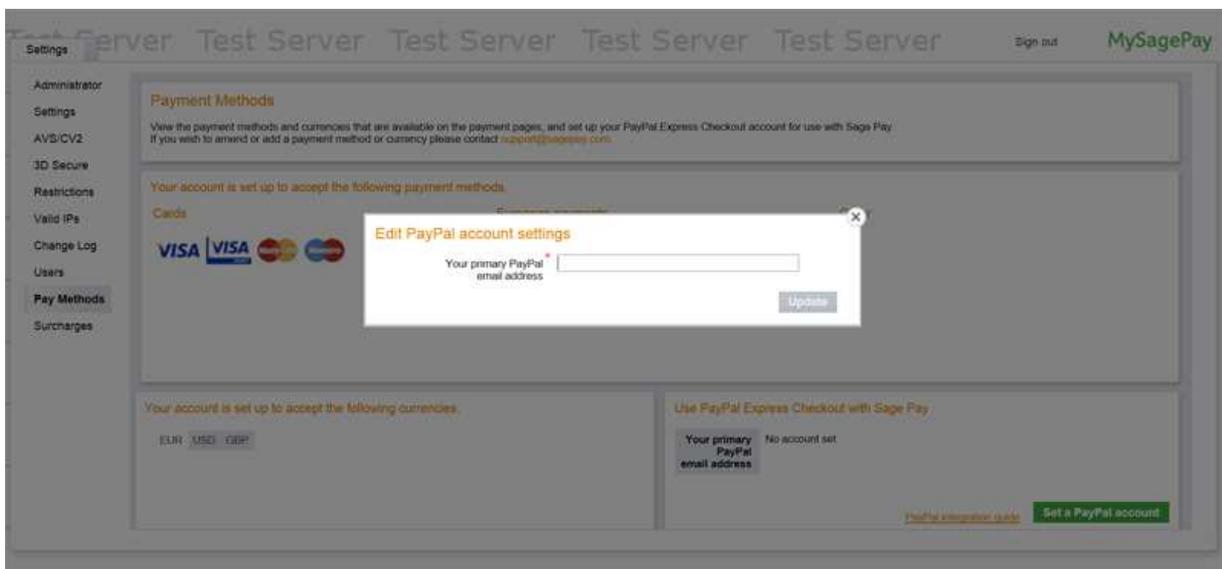
After entering your PayPal account e-mail address, your Sage Pay account has successfully linked to your PayPal account and you can start accepting PayPal payments on your store through Sage Pay.

For Sage Pay Direct, be sure to enable PayPal as a payment method in the Administration Tool -> Modules -> Payment -> Sage Pay Direct -> Edit module configuration settings page. This is not required for Sage Pay Form or Sage Pay Server.