

# Linklok Paypal™



V3.6

## **Linklok Paypal Manual**

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# Chapter 1 Introduction

## What is Linklok Paypal?

As you probably know Paypal provides an easy to setup service for receiving payments for your products worldwide. One problem faced by many developers however is how to provide a secure way to deliver digital goods after a successful transaction. The Linklok system provides the solution and is custom written for use with Paypal.

- Simple to install
- Uses PHP which is already installed on most servers
- Does not require MySQL or other database system (but can work with them)
- Does not require cookies to be enabled
- Sends email to purchaser with secure download links
- Can display download page immediately after transaction
- Will create secure links for product download only if called from Paypal
- Links can be set to expire after fixed time period
- Links can be IP address locked (requires change to buy button).
- Nobody ever knows the actual server location of the files - not even the purchaser!
- Supports unlimited products
- Supports multiple products in one order
- Supports multiple files per product (product combos)
- Supports multiple currencies
- Works with eBay auction items
- Handles eChecks providing download links immediately or delayed until payment clears
- Uses MD5 security and Paypal's IPN system
- Built in or user defined templates for download page and email sent to purchaser. Product specific templates can also be defined
- Supports html and text based email
- Also allows links to be sent manually if required
- Supports Amazon S3, DigitalOcean Spaces, Google Cloud Storage, B2 Cloud and Dropbox for file storage as well as your own server.
- Download links can point to html and PHP pages as well as download links
- Can email product specific serial number from a list with links
- Can generate software unlock keys using either a user provided algorithm or by using Clicklocker or Software Passport (armadillo).
- Support for Kunaki and Trepstar allowing automatic shipping of CD's, DVD's & USB sticks.
- Template segments can be defined for each product
- Physical products are also supported
- Integrates with Sitelok (our members area script)
- Supports iDevAffiliate, Shareasale, JAM and other affiliate systems
- Optional SMS alerts when orders arrive
- If required can log orders to a MySQL table
- AWeber, AutoResponse Plus, ARP Reach GetResponse and Mailchimp integration
- PDF Watermarking feature
- Automatic handling of Paypal payment reviews
- Option to send emails using PHPmailer or Sendgrid

## How does it work

Paypal allows you to place buttons or links on your website for each of your products. The buttons can either take the purchaser directly to the checkout where he makes the payment or alternatively adds the product to the Paypal shopping cart allowing further purchases to be made. Either way after payment is completed Paypal can be configured to call a special Instant Payment Notification (IPN) URL to report the products that have been ordered and whether payment was completed. Linklok acts as this IPN handler.

When Linklok is called it first authenticates the call to ensure that it was indeed sent from Paypal and has not been tampered with in anyway. Then Linklok will create secure links for each of the products ordered (at least those that you allow to be downloaded) and email them to the purchaser. If required Linklok can also be the return (or thank you) page that the user is sent to after a transaction and in this case display the download links in the browser as well as sending them by email.

Linklok links do not contain the actual location of the download file on your server but a secure MD5 hash that is used by Linklok to supply the file. Using this system there is no way anybody can download the files without going through the payment process. The links can be set to expire after a preset number of minutes or days if required. When the purchaser clicks one of the links the Linklok script will verify its authenticity and then allow the download. Download links can even optionally be locked to the IP address of the purchaser (requires an additional setting in the buy button).

Advanced features allow you to send serial numbers, software unlock codes or other information with your links. Product specific templates and template segments allow you to decide exactly what is displayed for each product in the download page and in the email.

## Chapter 2 Installing Linklok

In this chapter we will guide you through a simple default installation that will get you up and running as quickly as possible. Once Linklok is working you can read the further chapters in the manual that will explain how to customize and tweak things to work exactly how you want.

Don't worry if you know nothing about PHP scripts as this is not important. As long as you can use a text editor such as notepad and know how to upload to your site you will be fine.

If you have problems opening .php files then you can rename it with .txt as long as you remember to set it back to .php before uploading.

### Setting up the admin variables

First we will add some details about your company and products. This is done simply by modifying some variables near the top of the script. Open linklokipn.php in a text editor such as notepad (use TextEdit on a Mac) and find near the top of the script the following lines.

```
// Setup admin and security variables
$linklokURL="http://www.yoursite.com/linklokipn.php";
$PaypalEmail="paypal@yoursite.com";
$SellerCompany="Your Company";
$SellerEmail="sales@yoursite.com";
$SellerURL="http://www.yoursite.com";
$CopyEmail="sales@yoursite.com";
$linkKey="orange23";
$PDTtoken="";
$ManualPassword="letmein";
```

**\$linklokURL** Should be set to the full URL where you will in install linklokipn.php. This can be anywhere on your site but we strongly recommend placing it in the root.

**\$PaypalEmail** This is your **primary** email address that is registered with Paypal.

**\$SellerCompany** Your company name as it will appear in the default email.

<b>\$SellerEmail</b>	Your sales email address that will be used in emails. Ideally this email address should be on the same domain as your site.
<b>\$SellerURL</b>	This is your website URL that will be used displayed in the default email.
<b>\$CopyEmail</b>	The address you want to receive copies of the download emails sent to clients. You can have several email addresses separated by commas if you wish. If you don't to get copies just set to "".
<b>\$LinkKey</b>	Should be set to a unique encryption key that is used to create secure download links. Any random word will do but you must keep this value secret.
<b>\$PDTtoken</b>	This will be discussed later
<b>\$ManualPassword</b>	The password used to enter the manual order form. The default password is letmein but you should of course change this.

You can ignore any other settings for now as they are not normally needed for a default installation. They will be explained later in the manual anyway.

### **Adding your product details**

Now we need to setup some details about each of the digital products that you sell and wish to add to Linklok. Linklok can access your product download files stored anywhere on your site and even on remote servers. However for ease of management we suggest creating a directory (folder) where you can keep all of your files in one place. This folder can be within your site and as long as it has an obscure name that cannot be guessed and you do not link to any files inside the folder it cannot be found by any search engine, robot or hacker. If you feel you need further security you can create this folder outside of the site root if your hosting company allows this although this really isn't necessary. For now lets just use a folder in the root of your site with an obscure name such as [dsgjhruyrhgftg](#).

Now we will define the product in linklokipn.php. Each product you sell will have a line in the script that looks like this ((optionally you can use an external text file or MySQL table which we will describe later).



```
$Products[]="id1,Description,USD=29.95,dsgjhruyrhgfetg/prod1.zip,0,1440";
```

As you can see this product definition has a number of entries separated by commas as follows.

### **id1**

This is the unique product id and contain any alphanumeric characters. This should match the item\_number or Item Id used in the Paypal buy button for this product so that Linklok knows which product needs to be delivered.

### **Description**

This is the description of the product. This can be the same as the name you set in your buy button but doesn't have to be. If you are selling this product as an eBay auction item then this description must be exactly the same as the auction title. We will discuss auction sales later in the manual.

### **USD=29.95**

This is the price of the product. Linklok needs to know the price so that it can detect if somebody modified your buy button to try to cheat you. If you sell your products in multiple currencies then you should set the price for each currency as follows (notice how each currency is separated by a colon).

**USD=29.95:GBP=17.95:EUR=26.95**

The price doesn't need to be an exact match as Linklok just checks that at least this amount is paid. If you offer discounts or are using eBay then set this to the lowest price you will accept. Linklok won't complain if more is paid (and no doubt you won't either!).

### **dsgjhruyrhgfetg/prod1.zip**

This is the path to the product file. In our example it points to the file in the folder we created earlier. This can be a relative path, an absolute path or a URL. It is best to use a URL only if the file is stored on a remote server as URL's cannot support download resume and will increase bandwidth use. One great thing with Linklok is that you can move the location of the files at any time without breaking any download links you have already sent to clients. Don't forget some servers are case sensitive so type the folder and filename correctly. Linklok also supports Amazon S3 and other similar services which will be described later.

### 0

Just leave this set to 0. It is here just for backward compatibility with older versions of Linklok.

### 1440

This is the number of minutes that you would like links for this product to be valid for. This can be any value from 1 minute to several years. If you don't want the link to expire set it to 0. Expiry times are measured from the time when the link is created.

That has now defined our product for Linklok. You can later add further products by creating a new line for each one in the same way.

## Uploading to your server

Now that you have setup Linklok with one of your products we can upload the required files to your server. You can use a FTP program or your hosting control panel for this.

- 1) Upload [linklokipn.php](#) and [linklokipnret.php](#) to the root of your site (where your homepage is). On many servers this will be inside the folder called public\_html.
- 2) Create the folder where your download files will be stored. In our example this was called [dsgjhruyrhgfetg](#) and should be in the root of your site also.
- 3) Upload your product file to the folder you just created.

No special permissions are required for PHP files so the defaults should be fine.

## Testing Linklok

The easiest way to check that the settings you have made are ok is to use Linklok's built in test form. This allows you to send yourself an email containing download links or to see the download page (return page).

<http://www.yoursite.com/linklokipn.php?testform=1>

You will need to enter the password you set in [\\$ManualPassword](#).

If all is well you will see the test form appear. If you get any error messages go back and check the settings you made in linklokipn.php.

**Linklok Test Form**

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

Item 7

Item 8

Item 9

Item 10

First name

Last name

Email address

Currency

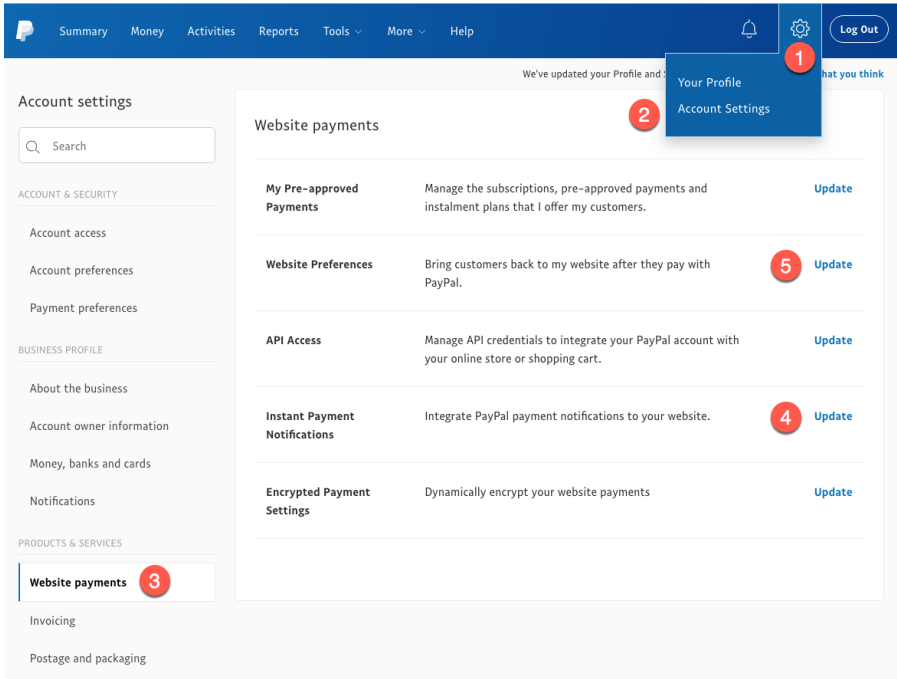
Test type

Select a product(s) from the drop down menu, enter your email address and click the button. You should then receive an email containing a download link. If the email doesn't arrive or the download link in the email doesn't work then double check all of your settings. To test the download page select Return (download) Page in Test type drop down menu.

The default email and download page can of course be customized as explained later.

### Setting up Paypal

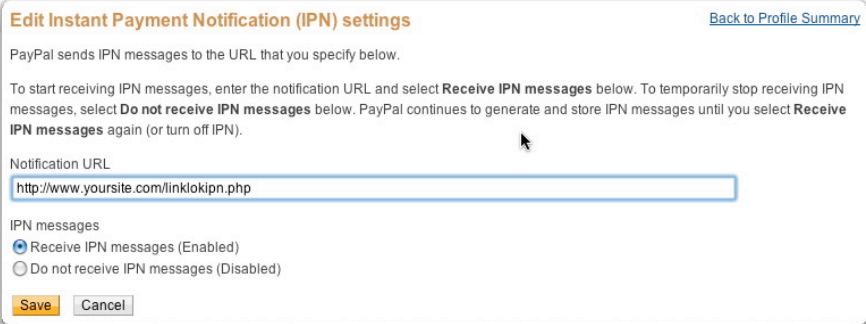
Paypal often change the layout of their dashboard so the location of the settings we use maybe a little different depending on your Paypal account. This screenshot should help you find your way around.



- 1) Login to your Paypal account.
- 2) Click the cog icon in the top right of the home page and click **Account Settings**.
- 3) Click **Website payments** in the left hand column
- 4) Click **Update** next to **Instant Payment Notifications**. Enable IPN and set the **Notification URL** to (using your domain name of course)

<https://www.yoursite.com/linklokipn.php>

It should look something like this.



**Edit Instant Payment Notification (IPN) settings** [Back to Profile Summary](#)

PayPal sends IPN messages to the URL that you specify below.

To start receiving IPN messages, enter the notification URL and select **Receive IPN messages** below. To temporarily stop receiving IPN messages, select **Do not receive IPN messages** below. PayPal continues to generate and store IPN messages until you select **Receive IPN messages** again (or turn off IPN).

Notification URL

IPN messages

Receive IPN messages (Enabled)

Do not receive IPN messages (Disabled)

The IPN URL is called by Paypal each time an order is made and Linklok uses this call to send out the download email to the buyer. This happens even if the do not return to your site after making payment.

If you are already using IPN for another script then see the Advanced Features Chapter for methods to solve this.

- 5) Although Linklok will email the download links to the buyer immediately after paying it is a good idea to also return them to your site and provide the download links on a download page also. Linklok uses Paypal's Auto Return and PDT to accomplish this.

Return to the [Website payments](#) page and click [Update](#) next to [Website Preferences](#).

Enable [Auto Return](#) and set the URL to be (setting your site)

<https://www.yoursite.com/linklokipnret.php>

### Website Payment Preferences [Back to Profile Summary](#)

#### Auto Return for Website Payments

Auto Return for Website Payments brings your buyers back to your website immediately after payment completion. Auto Return applies to PayPal Website Payments, including Buy Now, Donations, Subscriptions and Shopping Cart. [Learn More](#)

**Auto Return:**  On  
 Off

**Return URL:** Enter the URL that will be used to redirect your customers upon payment completion. This URL must meet the guidelines detailed below. [Learn More](#)

**Return URL:**

6) Now scroll down the page a little and enable **Payment Data Transfer**. Click **Save** to store the settings. Once enabled it should look something like this.

#### Payment Data Transfer (optional)

Payment Data Transfer allows you to receive notification of successful payments as they are made. The use of Payment Data Transfer depends on your [system configuration](#) and your Return URL. Please note that to use Payment Data Transfer, you **must** turn on Auto Return.

**Payment Data Transfer:**  On  
 Off

**Identity Token:** dfth78ny1Zti1rile7867Xdtenuy56BAqTXt\_85mMrt2il0yeYtg56fgdh

Finally copy to the clipboard the long **Identity Token** that Paypal displays after you enable PDT.

This needs to be added to linklokipn.php in the setting **\$PDTtoken** as follows:-

```
$PDTtoken="dfth78ny1Zti1rile7867Xdtenuy56BAqTXt_85mMrt2il0yeYtg56fgdh";
```

Of course the value of the token will be different for your Paypal account.

Don't forget to upload the updated linklokipn.php to your server again after setting this.

## Adding a Paypal button to your site

You now have nearly everything setup but before you can try a live order you need to add a Paypal button to your site. The button can be a Buy Now or Add to Cart button as required. There are several ways to generate the buttons as follows.

### Get button code from Linklok

The easiest way to generate buttons is to get Linklok to provide the button code for the products you have defined. To do this go to

<http://www.yoursite.com/linklokipn.php?createbuttoncode=1>

and enter the password you set in [\\$ManualPassword](#).

You will then see the add to cart button html for each product defined.

#### Track 1 (id1) USD 3.95

```
<form target="paypal" action="https://www.paypal.com/cgi-bin/webscr" method="post">
<input type="hidden" name="add" value="1">
<input type="hidden" name="cmd" value="_cart">
<input type="hidden" name="business" value="paypal@yoursite.com">
<input type="hidden" name="item_name" value="Track 1">
<input type="hidden" name="item_number" value="id1">
<input type="hidden" name="amount" value="3.95">
<input type="hidden" name="currency_code" value="USD">
<input type="image" src="https://www.paypal.com/en_US/i/btn/x-click-but10.gif" alt="Add to cart">
</form>
```

If you prefer a simple link instead of a button then [right click and copy here](#)

#### Track 2 (id2) USD 3.95

```
<form target="paypal" action="https://www.paypal.com/cgi-bin/webscr" method="post">
<input type="hidden" name="add" value="1">
<input type="hidden" name="cmd" value="_cart">
<input type="hidden" name="business" value="paypal@yoursite.com">
<input type="hidden" name="item_name" value="Track 2">
<input type="hidden" name="item_number" value="id2">
<input type="hidden" name="amount" value="3.95">
<input type="hidden" name="currency_code" value="USD">
<input type="image" src="https://www.paypal.com/en_US/i/btn/x-click-but10.gif" alt="Add to cart">
</form>
```

If you prefer a simple link instead of a button then [right click and copy here](#)

You can copy the button code from the text area for a normal add to cart button which is also compatible with Vibracart Paypal. You can of course change the button image used if you wish.

If you want an add to cart link instead of a button (for use in emails etc) then you can right click and copy the link.

## Chapter 2 Installing Linklok

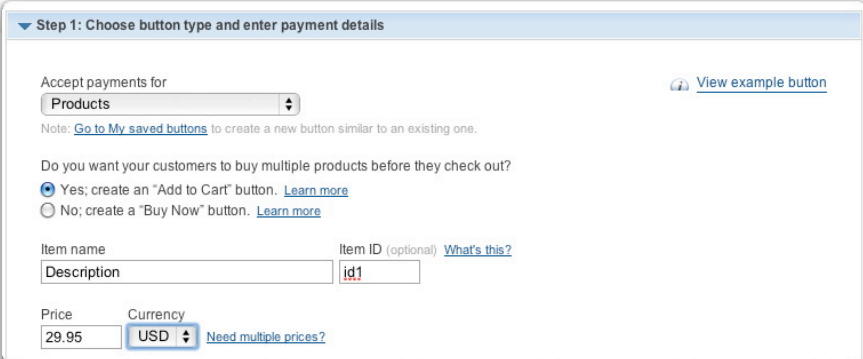
---

By default we will use the primary email address set in \$PaypalEmail as the business setting in the button. If you wish to use a different email address or your Paypal merchant id instead then add this setting to linklokipn.php

```
$ButtonPaypalEmail="paypal@yoursite.com";
```

### Using Paypal's button maker

To go to the button maker click the [Profile](#) link in the menu and then click the [My selling preferences](#) link in the left column under My Profile. Scroll to the Selling online section (you may have to expand it) and then click [Update](#) next to [PayPal buttons](#). The button maker has many settings you can use as you wish. However please **ensure** that the [Item ID](#) field in step 1 is set to the product id you used in Linklok. In our example this was [id1](#). Here is an example.



The screenshot shows the PayPal button maker interface for Step 1: Choose button type and enter payment details. The interface includes the following elements:

- Accept payments for:** A dropdown menu set to "Products". A link "View example button" is visible to the right.
- Note:** "Go to My saved buttons" to create a new button similar to an existing one.
- Do you want your customers to buy multiple products before they check out?**
  - Yes; create an "Add to Cart" button. [Learn more](#)
  - No; create a "Buy Now" button. [Learn more](#)
- Item name:** A text input field containing "Description".
- Item ID (optional):** A text input field containing "id1". A link "What's this?" is next to it.
- Price:** A text input field containing "29.95".
- Currency:** A dropdown menu set to "USD". A link "Need multiple prices?" is next to it.

Also **ensure** that in step 3 that the setting [Take customers to this URL when they finish checkout](#) is left blank.

Once you have completed your button and saved it Paypal will provide the html code that you need to copy to your web page.

If you are using our shopping cart, Vibracart Paypal, then you should create your Paypal add to cart buttons as non hosted and non encrypted. The Vibracart Paypal manual has further details about this. If you are using Paypal's own cart then you can create the buttons in any format.



## Testing a live transaction

Because Paypal don't provide an easy way to make test purchases testing live transactions is best done using a second Paypal account. Paypal allow you to have a personal account in addition to your premier or business account so you can use that for testing. You can simply refund payments within 30 days using this method.

If you wish to use a Sandbox account for testing then you need to also add this setting near your other settings in linklokipn.php.

```
$UseSandbox=1;
```

In most cases testing with a second Paypal account is easier than using the sandbox anyway.

## Whats next?

Hopefully at this point you have a working default installation of Linklok. If not then don't panic! Double check all your settings and refer to the FAQ on our site which may have the answer. You can of course also contact us as we are here to help. We advise you to log in to the support area of our site using the login details provided when you purchased so that we know who you are when contacting us. This will also provide access to upgrades etc.

The next chapter of the manual will show how to customize the various features of Linklok but we do recommend ensuring the default installation works first though.

## Chapter 3 Customizing Linklok

Linklok allows you to completely customise both the download page and the email that clients see when they purchase from you so that it matches your site exactly.

### Customizing the Linklok email

After a purchase is made Linklok will send a default email to the client containing links to the product or products ordered. For most users this predefined email is probably satisfactory. However you can override it by supplying an email template containing variable placeholders where Linklok will insert real data.

The email template can be a simple text message or an elaborately designed html message. Simply create a html file (recommended) or text file as required and wherever you want Linklok to add data use the appropriate variable placeholder from those listed below (also valid for the download page template as well).

You will find various examples of templates in the support area on our site.

Linklok also allows you to define product specific templates which will be explained in the Advanced Features chapter.

### Download product variables

These are the variables that you need to use to place the secure download links, product description etc in the email.

!!!description!!!	Description of the product ordered
!!!filename!!!	Filename of the product
!!!link!!!	The secure URL of the product
!!!size!!!	The download size in a friendly format such as 11 KB or 1.23 MB
!!!expires!!!	Expiry time in friendly format or blank if no expiry. (e.g. 24 hours or 2 days etc)
!!!product!!!	Complete product details including size and link etc.
!!!segment!!!	Inserts a product specific segment of text or html (see Advanced Features chapter).

These variables would display the details for the first digital product ordered. Because you won't necessarily know how many products an order may contain the best way to handle them is to define a section of your template that will be repeated for each product ordered. To do this just create the text or html code that should be repeated and place

`<!--eachproductstart-->` at the start of the section and `<!--eachproductend-->` at the end. Using this method you could for example define an html table that has a row created for each product. The following example html would create a table displaying each download files description and hyperlinked filename.

```
<table>
<!--eachproductstart-->
<tr>
<td>!!!description!!!</td>
<td><a href="!!!link!!!">!!!filename!!!</a></td>
</tr>
<!--eachproductend-->
</table>
```

Although not often required instead of using a repeated section of code for each product you can specify an actual product ordered using the following variables.

<b>!!!description_1!!!</b>	Description of the product ordered
<b>!!!filename_1!!!</b>	Filename of the product
<b>!!!link_1!!!</b>	The secure URL of the product
<b>!!!size_1!!!</b>	The download size in a friendly format such as 11 KB or 1.23 MB
<b>!!!expires_1!!!</b>	Expiry time in friendly format or blank if no expiry. (e.g. 24 hours or 2 days etc)
<b>!!!product_1!!!</b>	Complete product details including size and link etc.

The `_1` in the place holders refers to the first digital product ordered. As Linklok supports multiple items per order you can also use these variables with `_2`, `_3` etc to represent the second and third items ordered etc. If you use for example the place holders for three items but only two are ordered then the third will be left blank. We strongly recommend if you sell multiple items per order to use the repeated section described previously instead though.

### General order variables

These variables contain non product specific data such as the clients name and transaction id etc.

!!!invoice!!!	Any invoice number you passed to Paypal.
!!!merchant_order_id!!!	Any invoice number you passed to Paypal.
!!!memo!!!	Any memo entered by the client.
!!!mc_gross!!!	Total amount paid.
!!!total!!!	Total amount paid.
!!!totalnet!!!	Total net amount paid.
!!!mc_currency!!!	Currency (e.g. USD, GBP etc).
!!!txn_id!!!	Paypal transaction ID.
!!!order_number!!!	Paypal transaction ID.
!!!first_name!!!	Customers first name.
!!!last_name!!!	Customers last name.
!!!payer_business_name!!!	Business name if provided
!!!name!!!	Displays clients full name or business
!!!payer_email!!!	Customers email address
!!!email!!!	Customers email address
!!!payer_id!!!	Customer ID.
!!!address_name!!!	Name to use with address.
!!!address_street!!!	Address if provided.
!!!address_city!!!	City if provided.
!!!address_state!!!	State if provided.
!!!address_zip!!!	Zip or postcode if provided.
!!!address_country!!!	Country if provided.
!!!address_country_code!!!	Two letter country code
!!!date!!!	Date in 22 May 2005 format
!!!payment_date!!!	Paypal transaction date
!!!tax!!!	Tax amount
!!!taxrate!!!	Tax rate
!!!fee!!!	Fee paid for transaction
!!!settle_amount!!!	Amount received in merchant account
!!!settle_currency!!!	Currency of settlement
!!!option_name1!!!	Option name from order (if used)
!!!option_selection1!!!	Option value for order (if used)
!!!option_name2!!!	Option name from order (if used)
!!!option_selection2!!!	Option value from order (if used)
!!!custom!!!	Custom value from button (if used)
!!!num_cart_items!!!	Number of items in Paypal cart
!!!auction_buyer_id!!!	Auction buyer id (auction sales only)
!!!auction_closing_date!!!	Auction closing date (auction sales)
!!!payer_status!!!	Status of payers Paypal account
!!!address_status!!!	Status of payers address
!!!ipaddr!!!	Buyers IP. (only if IP locking enabled)
!!!shipping!!!	Shipping amount

### Ordered items variables

These variables can be used to display details about all items ordered including items that are not downloadable. This is useful if you want to create an invoice or receipt and are often used in the optional order notification or confirmation emails (see later in this chapter chapter). These variables work within a block that gets repeated for each item ordered. To do this just create the text or html code that should be repeated and place `<!--eachitemstart-->` at the start of the section and `<!--eachitemend-->` at the end. Within this section you can use the following variables.

<code>!!!item_number!!!</code>	Item number or id
<code>!!!quantity!!!</code>	Quantity of item
<code>!!!item_name!!!</code>	Description of item
<code>!!!description!!!</code>	Description of item
<code>!!!itemprice!!!</code>	Item price
<code>!!!itempricenet!!!</code>	Item net price
<code>!!!itemtotal!!!</code>	Total amount for this item
<code>!!!itemtax!!!</code>	Tax amount for this item
<code>!!!itemposition!!!</code>	1 for the first item 2 for the second etc

### Variables to access products not ordered

There may be times when you want to include a link to a product that has not been ordered, perhaps as a free offer etc. To do this use these variables.

<code>!!!description(id)!!!</code>	Description of product
<code>!!!filename(id)!!!</code>	Filename of product
<code>!!!size(id)!!!</code>	Size of download
<code>!!!link(id)!!!</code>	Secure download link
<code>!!!expires(id)!!!</code>	Expiry time of link

In each of the above id should be replaced by the product id (item\_number) of the product required. e.g.

`!!!link(id1)!!!`

### Unknown or physical products

It is possible to define a section of the template that is only displayed if any products ordered that are not know by Linklok (not having a product

definition) such as physical products for example. Just surround the text or html section that should only be displayed in this case as follows:-

```
<!--unknownstart-->
Some of the items you have ordered are not downloadable
so will be shipped to you by Federal Express.
<!--unknownend-->
```

Also in a similar way you can ensure that the download section of your template is only visible if products are ordered that Linklok has handled. To do this use `<!--knownstart-->` and `<!--knownend-->` to surround that section.

There are other methods to handle physical products such as using segments (see the Advanced Features chapter) but this is the easiest.

### Email Subject

If you are using a text based email template (.txt extension) then the first line of the file will be the email subject. If you are using an html email template (.htm or .html) then the page title will be used as the email subject.

You must also set the variable `$HTMLEmail` as required. If set to "Y" then emails will be sent in html format. If the template is in text format (.txt) then `!!!product!!!` links will be converted to html. This has the advantage that the long secure links are not seen directly and are less likely to be split onto two lines by the email client. We advise you to use html format emails.

### Defining the email template

Once you are happy with your template upload it to your server and set the following setting to point to it.

```
$EmailTemplate="emailtemp.htm";
```

This example assume your template is named emailtemp.htm and that you uploaded it to the same place as linklokipn.php. If you place the template in the folder where your download files are then you would use

```
$EmailTemplate="dsgjhruyrhgfetg/emailtemp.htm";
```

## Customizing the download page

Normally Linklok will display a predefined default download page when the buyer returns to your site after paying. Instead of the default page you can create a custom html page (you can also use a PHP page if you wish) that will be used instead. Within this page you can use the same variable placeholders as described for the email template to personalise the page and display product download links etc. You should ensure that any links to other pages or graphics within this page are absolute URL's or relative to the location where you installed linklokipn.php.

Set the `$DownloadTemplate` variable to point to your page template. e.g.

```
$DownloadTemplate="download.htm";
```

This example assumes your template is named download.htm and that you uploaded it to the same place as linklokipn.php. If you place the template in the folder where your download files are then you would use

```
$DownloadTemplate="dsgjhruyrhgfetg/download.htm";
```

Linklok also allows you to define product specific templates which will be explained in the Advanced Features chapter.

## Customizing Linklok error messages

If an error or problem occurs Linklok will display a default error page. To override this page you can create your own html page to match the rest of your site and insert into it a variable placeholder that will be replaced with the error message at run time. To do this simply create your page in your favorite editor and insert `!!!message!!!` in the appropriate place. Once you are happy with your template upload it to the same place as linklokipn.php on your server. Set the variable `$ErrorTemplate` in linklokipn.php to point to this page. e.g.

```
$ErrorTemplate="errorpage.htm";
```

Error messages are displayed for example if a download link is used that has expired or has been tampered with.

## Copy of client email

You may find it useful to receive copies of the download emails sent to clients. To enable this feature just set the \$CopyEmail setting in the script. For example

```
$CopyEmail="you@yoursite.com";
```

You can have copies sent to several email addresses if you wish by separating them with commas.

## Order notification email

Linklok can send you, the vendor, an email each time an order is received by Paypal. This is similar to the email that Paypal sends but has the advantage that it can be formatted to your own requirements and can be sent to any email address you wish. To use this feature create an email template as described earlier using any of the template variables, including those used in the <!--eachitemstart--> loop. You can't however use the variables that refer specifically to downloadable products that are used in the <!--eachproductstart--> loop.

Once you have created and uploaded the template add the following two variables to linklokipn.php (anywhere near the other settings) to enable this feature.

```
$NotifyTemplate="notifytemp.htm";  
$NotifyEmail="you@yoursite.com";
```

The \$NotifyEmail setting can have multiple email addresses separated by commas if you wish several people to be notified.

## Client confirmation email

Linklok can send the client an email when an order is received by Paypal. This is useful if you need to send clients a full invoice or receipt and you wish to have this separate from the main email sent by Linklok. To use this feature create an email template as described earlier using any of the template variables, including those used in the <!--eachitemstart--> loop. You can't however use the variables that refer specifically to downloadable products that are used in the <!--eachproductstart--> loop.



Once you have created and uploaded the template add the following variable to linklokipn.php (anywhere near the other settings) to enable this feature.

```
$ConfirmTemplate="confirmtemp.htm";
```

### **Delay eCheck transactions**

Linklok allows you to handle transactions paid by eCheck either in the same way as normal payments or by delaying delivery. If you delay delivery then Linklok will automatically deliver the links to the clients email address when the eCheck clears your account. This is usually around 4 working days later.

To handle eChecks normally make sure the setting is as follows:-

```
$DelayEchecks="N";
```

To delay them set as follows:-

```
$DelayEchecks="Y";
```

If you decide to delay delivery then you should create an email and return (download) page template to inform the client about this situation. To do this just create the templates as described previously and set the following settings in linklokipn.php.

```
$WarningTemplate = "emailtemplate.htm";  
$WarningTemplatePage= "pagetemplate.htm";
```

# Chapter 4 Manual Order Form

## Manual order form

There may be times when you wish to send a client the download links manually. Perhaps when there is a problem with payment, the original email is not received or because you wish to allow evaluation before purchase. The Linklok manual order form can be used to send the download links manually in this case. You could even setup files in Linklok that you don't actually sell but wish to email to users while still keeping the links secure. The manual order form can be used in these cases.

To display the manual order form open your browser and got to:-

<http://www.yoursite.com/linklokipn.php?orderform=1>

You will need to enter the password you set in **\$ManualPassword**.

The screenshot shows a web form titled "Linklok Manual Order Entry". It contains the following fields and controls:

- Item 1 through Item 10: Each has a dropdown menu labeled "Select Product".
- Override Expiry: A dropdown menu with "Leave as default" selected, followed by the word "or" and an empty text input field.
- IP address: A text input field with a "Level 0 (off)" dropdown menu to its right.
- First name: A text input field.
- Last name: A text input field.
- Email address: A text input field.
- Below the email address field is the text "Leave blank to display links only".
- At the bottom right is a "Send Links" button.

## Chapter 4 Manual Order Form

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You can select up to 10 products to send links for. If you have less than 200 products defined you will be able to select products from drop down menus. If you have more than 200 products you will need to enter the product id manually. You can override the predefined expiry time if you wish. Enter the email address to send the links to and click the button.

Instead of actually sending an email you can instead just display the links by leaving the email field blank when you click the button. This way you can use the links in your own email if you prefer. Simply right click the link and select "Copy Shortcut".

## Chapter 5 Advanced Features

The settings described in the previous sections should allow you to setup your site as required in most cases. However we have added a number of advanced features that allow you to customise things further. Before using any of these advanced features we recommend that you setup and test a default installation first.

There are a number of settings that make use of an extra seventh section in the product definition as in this example (split on several lines because of space).

```
$Products[]="1,  
Description,  
USD=29.95,  
dsgjhruyrhgfetg/prod1.zip,  
0,  
1440,  
DOWNTEMP=downtemp.htm*EMAILTEMP=emailtemp.htm";
```

Notice that in this seventh section that you can have multiple options selected in which case you separate them with the \* character.

## eBay and Auction items

Linklok supports auction sales from eBay. If you do not sell via eBay you can skip this section.

For eBay sales setup everything as previously described. The only difference is the method used by Linklok to match the product to deliver. There are two different methods.

### Auction title

Normally Linklok matches the auction title with the product description to determine the file to deliver. This is useful because it lets you have multiple auction entries that are all handled by one product definition in Linklok. Just make sure that your product description in Linklok matches exactly with the auction title you used. Set the product id to any unique id as Linklok uses this internally. Also make sure the price defined is the minimum you will accept (perhaps the reserve price). If you sell the same product normally as well you can have another product entry with the Paypal Item Id and the full retail price.

You can make use of the wildcard character ^ at the start and/or end of your product description to match differing auction titles. For example If your auction title is [The best embroidery pattern of a train \(new\)](#) you could define the description as

[^embroidery pattern of a train^](#)

### Auction Id

If you prefer to match the product using the auction id then set this as the product id in Linklok. The description can then be set as required. Don't forget that the auction id is normally only used for one transaction. Make sure the price defined is the minimum you will accept (perhaps the reserve price). If you sell the same product normally as well you can have another product entry with the Paypal Item Id and the full retail price.

## Using an external product file

If you have many products or use several versions of Linklok it may be useful to define your products in an external file instead of within the script. You can also use a MySQL table as described later.

The external file should be comma delimited and can be created by most text editors and spreadsheets etc. The format must be as follows:-

item id,product description,price,path,size,expiry time  
item id,product description,price,path,size,expiry time  
item id,product description,price,path,size,expiry time  
etc.

Basically the fields are the same as that used within the script but without the quotation marks.

You must not use commas in your product descriptions.

In the script you should set the following variable to point to the product file:-

```
$ProductCSV="dsgjhruyrhgfetg/products.txt";
```

If you also have some products defined within the script they will automatically be included. If all of your products are defined within the external file then simply delete all of the `$Products[]` lines in the script.

## Products with multiple files

If you have products that are made up of several files or perhaps are a bundle of other products (combos) then you should define each of the separate files as a product within the script. Then for the bundle instead of defining the download location simply list the item ID's of the files or products to include. e.g.

```
$Products[]="id1,Product 1,USD=29.95,dsgjhruyrhgfetg/file1.zip,0,1440";  
$Products[]="id2,Product 2,USD=29.95,dsgjhruyrhgfetg/file2.zip,0,1440";  
$Products[]="id3,Product 3,USD=29.95,dsgjhruyrhgfetg/file3.zip,0,1440";  
$Products[]="id4,Bundle,USD=49.95,id1:id2:id3,0,1440";
```

In this example the bundle product will provide download links for three files (Id's 1,2 and 3). The three files can be products available in their own right or just for inclusion in the bundle. Links for bundled files are treated exactly like separate products in the email and download templates. We recommend using the repeat loop method to display product information with templates if you have products with multiple files (see the section about creating email and download templates).

## Stop bookmarking or refreshing of the download page

When a user returns to your site after paying Paypal sends PDT data to Linklok which it uses to authenticate orders by confirming the payment details with Paypal. If someone bookmarks the return URL on your site they could return to that page later. Normally this is not a problem as Linklok sets the start time of download expiry times as the order time anyway. So if they return to the download page the expiry times are not extended and are only the same as they get in the email copy anyway.

However if you want to stop the return page being refreshed for any reason you can enable this feature. This could be important if you issue license numbers or unlock keys for example.

Here is how to setup this feature.

Copy the supplied file txnid.txt to the secure download directory you created for your products. Using an FTP program set the access permissions for this file (not the directory) to be read and write for all users. This is not a security problem as the directory is not known by anybody. Do not set execution permission though. Set the variable \$Txnid in linklokipn.php to the local path to the txnid.txt file. e.g.

```
$Txnid="dsgjhruyrhgfetg/txnid.txt";
```



## Manually coding Paypal buttons

Normally the easiest way to create Paypal buttons for your site is to get Linklok to generate them or to use Paypal's button maker (just remember to make sure you set the **Item ID** to match the product id you use in Linklok). However there may be times when you want to modify buttons in some way. In this case you can use the following button code as a starting point.

### Buy now button

```
<form action="https://www.paypal.com/cgi-bin/webscr" method="post">
<input type="hidden" name="cmd" value="_xclick">
<input type="hidden" name="business" value="paypal@yoursite.com">
<input type="hidden" name="item_name" value="Product Description">
<input type="hidden" name="item_number" value="id1">
<input type="hidden" name="amount" value="29.95">
<input type="hidden" name="no_note" value="1">
<input type="hidden" name="currency_code" value="USD">
<input type="submit" name="submit" value="Buy Now">
</form>
```

### Add to Cart button

```
<form target="paypal" action="https://www.paypal.com/cgi-bin/webscr"
method="post">
<input type="hidden" name="add" value="1">
<input type="hidden" name="cmd" value="_cart">
<input type="hidden" name="business" value="paypal@yoursite.com">
<input type="hidden" name="item_name" value="Product Description">
<input type="hidden" name="item_number" value="id1">
<input type="hidden" name="amount" value="29.95">
<input type="hidden" name="no_note" value="1">
<input type="hidden" name="currency_code" value="USD">
<input type="submit" name="submit" value="Add to Cart">
</form>
```

## Product Options (drop down menus)

Normally only the Item Id (item\_number) is used to match the product so if you have options added to the button these are ignored and the same product is delivered no matter the option selected.

If you need a different download file to be delivered depending on the value of a product option then you need to enable this feature in Linklok by adding this setting near your other settings in linklokipn.php

```
$UsePaypalOptions=true;
```

Once this setting is added if a Paypal button has options then the value of the selected options is added to the product id that Linklok uses to match the product. So for example if you have a product id1 and a drop down option with values Large and Small then you need to define two products in Linklok like this.

```
$Products[]="id1Large,Name,USD=29.95,dsgjhruyrhgftg/prod1lg.zip,0,1440";  
$Products[]="id1Small,Name,USD=29.95,dsgjhruyrhgftg/prod1sm.zip,0,1440";
```

If you have a second option menu as well then the values should be appended to the end of the first option. Linklok only supports two option sets.

There are several ways to add options to your buttons. The easiest way is to use the button maker in Paypal admin. You can also add the following code directly into your own button code.

```
<input type="hidden" name="on0" value="Sizes">  
<select name="os0">  
    <option value="Small">Small</option>  
    <option value="Large">Large</option>  
</select>
```

## Bonus items based on order total

Everybody loves getting something free so Linklok allows you to set one or more products to be added to the download email and return page when an order total reaches a specified total. You can setup different free products depending on the total order value.

To enable this first of all make sure that the download item you want to provide as a bonus is listed in Linklok as as normal. It can be a product you sell as well or added specifically for the bonus. The add the following setting near your others in linklokipn.php

```
$OrderBonus[]="10.00,id1";
```

In this example when the order total is 10.00 or more then the item id1 will be added to the products delivered. You can set multiple product like this

```
$OrderBonus[]="10.00,id1:id2:id3";
```

and have different total levels as well in which case the highest matching is used.

```
$OrderBonus[]="10.00,id1";  
$OrderBonus[]="20.00,id2";
```

The item description used for the bonus item(s) in the email and download page will be whatever you set in the product definition. If the item is always used as a bonus free item then you can make that clear in the description. However if its an item you sell as well you can leave the description as it is and have Linklok automatically add a prefix to the description in the template. To do that add this setting.

```
$OrderBonusText="Free bonus item - ";
```

## Download notification email

If you wish to be notified each time a download link is used add the following setting to the script.

```
$NotifyDownloadEmail="notify@yoursite.com";
```

This setting will cause an email to be sent to you each time a download link is used. The email will let you know the original Paypal order number, email address item number, item description, filename, IP address, time of download and expiry time of the link. The email can also display the IP country if you enable that feature (see the chapter called IP Country).

## Download log

Instead of having a download notification email sent you can log downloads if you prefer. To enable this add these settings to the script using the path to the log file you wish to use.

```
$NotifyDownloadEmail="log";  
$DownloadLog="folder/log.txt";
```

## Product notification email

If you would like an email notification sent out when certain products are ordered then you can enable this feature. This is useful when you sell products for other publishers and you want them to be notified of the sale.

To enable this add this setting to the extra seventh section of the product definition to specify the email address to notify for that product.

```
...,PRODUCTNOTIFYEMAIL=notify@theirsite.com";
```

You must also create an email template to use for these notifications and set it in the following which you should add near your other settings in linklokipn.php.

```
$ProductNotifyTemplate="template.htm";
```

## Using Linklok with Amazon S3

Amazon S3 is a scalable storage system for storing files for delivery. Linklok allows secure access to files stored on S3 thus freeing up your server from storage and bandwidth requirements. S3 is the ideal way to deliver large files (up to 5TB) efficiently and cheaply. Using S3 with Linklok will not use bandwidth on your server when downloading unlike a remote location using http://. Therefore S3 is the recommended way to deliver large files if you can't handle them locally on your own server.

For more information about S3 or to open an account please visit <http://aws.amazon.com/s3/>

### Setting up S3

Once you have an account login to the AWS console for S3. Here you can create a bucket to store your files. Click **Create Bucket** and enter a unique name using **only lowercase letters**. Select the region that is most suitable for you.

Linklok needs to have an access key id and secret access key for your S3 account so that it can access the bucket. To get those click **Security Credentials** in your user account menu at the top of AWS. Click **Continue to Security Credentials** if a warning dialog appears.

Now click **Access Keys** in the page that appears.

### Your Security Credentials

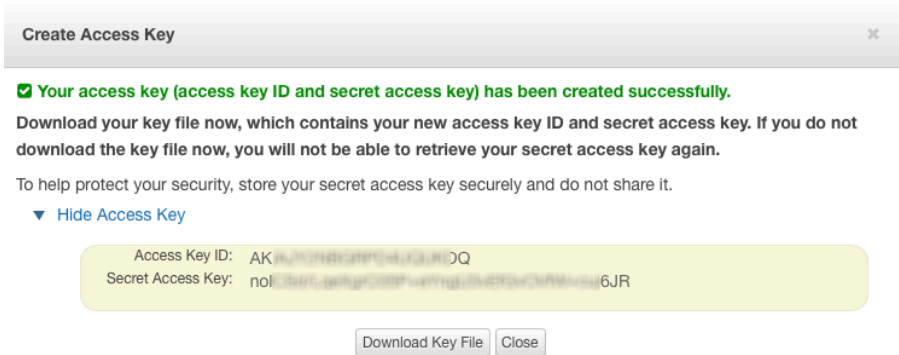
Use this page to manage the credentials for your AWS account. To manage credentials for AWS Identity and Access Management (IAM) users, use the [IAM Console](#). To learn more about the types of AWS credentials and how they're used, see [AWS Security Credentials](#) in AWS General Reference.



Click the **Create New Access Key** button which will create the keys we need. Click the **Show Access Key** link to display the keys so you can copy them. Alternatively you can download them in a text file.

## Chapter 5 Advanced Features

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To setup a download path to use S3 we use a special path like this:-

[s3|accesskeyid|secretaccesskey|bucketname|filename](#)

Notice this path uses the pipe character | to split the various parts.

<a href="#">s3</a>	This tells Linklok that this is an S3 path.
<a href="#">accesskeyid</a>	This is the access key id
<a href="#">secretaccesskey</a>	This is the secret access key provided.
<a href="#">bucketname</a>	This is the unique bucket name where you have stored the files. <b>S3 requires all buckets to be lowercase only.</b>
<a href="#">filename</a>	The filename to access.

We recommend that you set your bucket to private access only for security. This way only Linklok can access the files. This is the default setting for new buckets anyway.

When a download link using S3 is clicked Linklok is first called to perform checks on the link as usual. If all is well then it generates a secure S3 download link to the file and redirects the browser. The S3 link generated has a short 5 minute expiry time so if it is captured it will not be of much use to anyone.

### Using folders in S3

If your bucket contains folders then they can be used in the path like this.

[s3|accesskeyid|secretaccesskey|bucketname|folder/filename](#)

### S3 V4 Signatures

By default Linklok uses S3's V2 signatures to generate signed links. Some new bucket regions such as Frankfurt only support the newer V4 signature. These are supported by Linklok as well by using a slightly different path which includes the region name. Here is a V4 example path

[s3|region|accesskeyid|secretaccesskey|bucketname|filename/](#)

The region part should be the standard S3 region identifier such as [us-east-1](#), [us-west-1](#), [eu-west-1](#), [eu-central-1](#) etc.

US Standard (N. Virginia)	<a href="#">us-east-1</a>
US West (Oregon)	<a href="#">us-west-2</a>
US West (N. California)	<a href="#">us-west-1</a>
EU (Ireland)	<a href="#">eu-west-1</a>
EU (Frankfurt)	<a href="#">eu-central-1</a>
Asia Pacific (Singapore)	<a href="#">ap-southeast-1</a>
Asia Pacific (Sydney)	<a href="#">ap-southeast-2</a>
Asia Pacific (Tokyo)	<a href="#">ap-northeast-1</a>
South America (Sao Paulo)	<a href="#">sa-east-1</a>

You can find the full list at

[http://docs.aws.amazon.com/general/latest/gr/rande.html#s3\\_region](http://docs.aws.amazon.com/general/latest/gr/rande.html#s3_region)

## Using Linklok with DigitalOcean Spaces

DigitalOcean Spaces provides a low cost secure place to store your files ready for download. Linklok allows secure access to the stored files thus freeing up your server from storage and bandwidth requirements. Its an ideal solution for delivering large files. DigitalOcean Spaces is also compatible with Amazon S3 so you can use the same apps and tools.

For more information about DigitalOcean Spaces or to open an account please visit <https://www.digitalocean.com/products/spaces/>

### Setting up a Digital Ocean Space




Once you have an account login and create a Space. Enter a unique name for the space and select a datacenter region that is suitable. To keep your files secure make sure you check the **Restrict File Listing** checkbox.

#### Create a Space

Choose a unique name for your Space ?

Your Space's URL: <https://vibralogix.ams3.digitaloceanspaces.com>

Choose a datacenter region

 New York 3	 Amsterdam 3	 Singapore 1
--	---	---

Allow file listing?

**Restrict File Listing**  
Only users who connect to this Space using access keys can list the contents.

**Enable File Listing**  
Anyone can list the contents of this Space.

**Important:** This setting has no affect on whether individual files are visible. It only determines if anonymous users can list the name, size, and other metadata for the files in this Space.

Make a note of the region code form the Your Spaces URL. In the example above this is **ams3**. Click **Create a Space** and you will be taken to the file browser.



## Chapter 5 Advanced Features

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Now you need to create the access keys used to access the files securely. To do this click the API link in the main menu and then the Generate New Key button. Copy and paste the Access Key and Secret.

### Spaces access keys

Generate New Key

Keys you have generated to connect with third party clients or to access the [Spaces API](#).

Name	Key	Created
sitelok	JRSI[REDACTED]DQ	Just now <a href="#">More</a> ▾
Secret	CYN[REDACTED]RIZIVA	

To setup a path to use a DigitalOcean Space we use a special path like this:-

[dolregion|accesskey|secret|spacename|filename](#)

Notice this path uses the pipe character | to split the various parts.

- [do](#) This tells Linklok that this is an DigitalOcean path.
- [region](#) The region code for the datacentre (e.g. ams3).
- [accesskey](#) This is the access key provided
- [secret](#) This is the secret provided.
- [spacename](#) This is the unique space name where you have stored the files.
- [filename](#) The file to access.

When a download link using DigitalOcean is clicked Linklok is first called to perform checks on the link and log the download etc. If all is well then it generates a secure Digital Ocean download link to the file and redirects the browser. The link generated has a short 5 minute expiry time so if it is captured it will not be of much use to anyone.

### Using folders in Digital Ocean

If your bucket contains folders then they can be used in the path like this.

[dolregion|accesskey|secret|spacename|folder/filename](#)

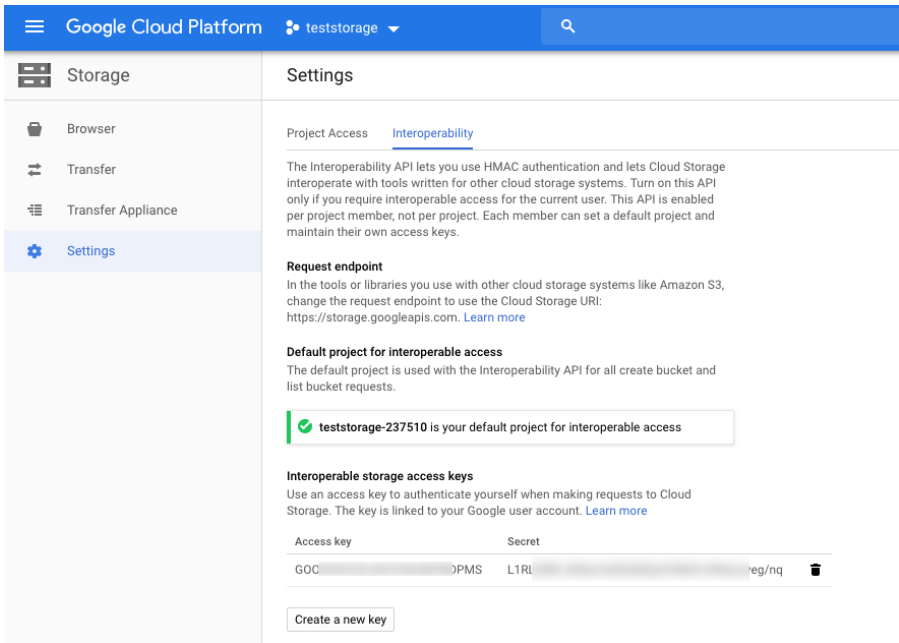
## Using Linklok with Google Cloud Storage

Google Cloud Storage provides a low cost secure place to store your files ready for download. Linklok allows secure access to the stored files thus freeing up your server from storage and bandwidth requirements. Its an ideal solution for delivering large files.

For more information about Google Cloud Storage or to open an account please visit <https://cloud.google.com/storage/>

### Setting up Google Cloud Storage

Linklok requires Interoperability to be enabled for the project containing the buckets you need to access. To do this click **Settings** and the **Interoperability** tab. Click **Enable Interoperability**. Click **Create a New Key** to generate the Access Key and Secret we will need. Keep a note of those.



To setup a path to use a Google Cloud Storage bucket we use a special path like this:-

[gclaccesskey|secret|bucketname|filename](#)

Notice this path uses the pipe character | to split the various parts.

<a href="#">do</a>	This tells Linklok that this is an Google Cloud path.
<a href="#">accesskey</a>	This is the access key provided
<a href="#">secret</a>	This is the secret provided.
<a href="#">spacename</a>	This is the bucket name where you have stored the files.
<a href="#">filename</a>	The file to access

When a download link using Google Cloud Storage is clicked Linklok is first called to perform checks on the link and log the download etc. If all is well then it generates a secure Google Cloud Storage download link to the file and redirects the browser. The link generated has a short 5 minute expiry time so if it is captured it will not be of much use to anyone.

### Using folders in Google Cloud Storage

If your bucket contains folders then they can be used in the path like this.

[gclaccesskey|secret|bucketname|folder/filename](#)

## Using Linklok with B2 Cloud Storage

Backblaze B2 Cloud Storage provides a low cost secure place to store your files ready for download. Linklok allows secure access to the stored files thus freeing up your server from storage and bandwidth requirements. It's an ideal solution for delivering large files.

For more information about B2 Cloud Storage or to open an account please visit <https://www.backblaze.com/b2/cloud-storage.html>

### Setting up B2 Cloud Storage

To allow access to your buckets we need to create an Application Key. To do this click **App Keys** in your B2 account menu and then the **Add a new application key** button.

×

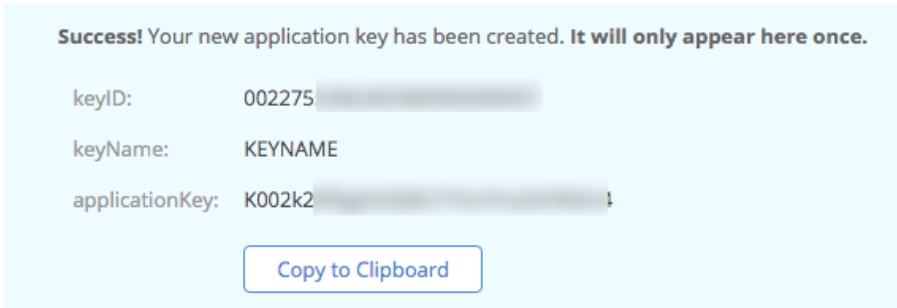
## Add Application Key

---

Name of Key: <small>(keyName)</small>	<input type="text" value="KEYNAME"/>
Allow access to Bucket(s): <small>(optional)</small> <small>(bucketName)</small>	<input type="text" value="All"/>
Type of Access: <small>(optional)</small> <small>(capabilities)</small>	<input type="radio"/> Read and Write <input checked="" type="radio"/> Read Only <input type="radio"/> Write Only
File name prefix: <small>(optional)</small> <small>(namePrefix)</small>	<input type="text"/> <small>Allow access to file names that start with this.</small>
Duration (seconds): <small>(optional)</small> <small>(validDurationSeconds)</small>	<input type="text"/> <small>Positive integer less than 1000 days (in seconds).</small>

---

Set the **Type of access** to **Read Only** and click **Create New Key**.



Copy the **keyID** and **applicationKey** as we will need those later.

To setup a path to use a Google Cloud Storage bucket we use a special path like this:-

[b2|keyID|applicationKey|bucketname|filename](#)

Notice this path uses the pipe character | to split the various parts. The last | character is important too.

- |                                |  |
|--------------------------------|--|
| <a href="#">b2</a>             | This tells Linklok that this is aB2 path.                |
| <a href="#">keyID</a>          | This is the key id                                       |
| <a href="#">applicationKey</a> | This is the secret application key.                      |
| <a href="#">bucket name</a>    | This is the bucket name where you have stored the files. |
| <a href="#">filename</a>       | The file to access                                       |

When a download link using B2 Storage is clicked Linklok is first called to perform checks on the link and log the download etc. If all is well then it generates a secure B2 Cloud Storage download link to the file and redirects the browser. The link generated has a short 5 minute expiry time so if it is captured it will not be of much use to anyone.

### Using folders in B2 Cloud Storage

If your bucket contains folders then they can be used in the path like this.

[b2|keyID|applicationKey|bucketname|folder/filename](#)

## Using Linklok with Dropbox

Dropbox is a great service for storing files and can be used with Linklok in a similar way to how our Amazon S3 support works. When a download link using Dropbox is clicked Linklok is first called to perform checks on the link as usual. If all is well it then generates a secure Dropbox download link to download the file. The user doesn't need a Dropbox account to download the file and won't even see Dropbox.

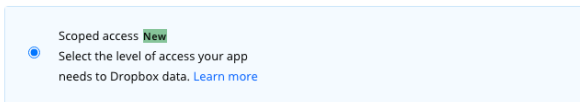
### Setting up your Dropbox account

To allow Linklok to securely access your Dropbox account we will setup a simple Dropbox app on your account.

- 1) From the Linklok support area download [getdbrefreshtoken.php](#) and upload to the same place as Linklok.
- 2) Go to <https://developers.dropbox.com> and click the App console button in the top right. Login with your normal Dropbox login details.
- 3) Click the [Create App](#) button.

Create a new app on the DBX Platform

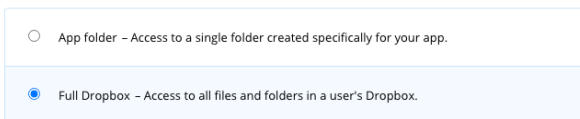
1. Choose an API



Scoped access **New**  
Select the level of access your app needs to Dropbox data. [Learn more](#)

2. Choose the type of access you need

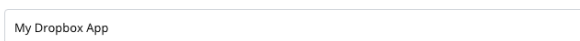
[Learn more about access types](#)



App folder – Access to a single folder created specifically for your app.

Full Dropbox – Access to all files and folders in a user's Dropbox.

3. Name your app



My Dropbox App

- 4) Select [Scoped access](#) as the API type and [Full Dropbox](#) as the access type. Enter a name for your app.

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5) Click **Create App** button.

Development teams	0 / 1	<a href="#">Enable add</a>
Development users	Only you	
Permission type	<a href="#">Scoped App</a> ⓘ	
App key	63cbghfK4e192d	
App secret	<a href="#">Show</a>	
OAuth 2	<b>Redirect URIs</b>	
	<a href="https://www.yoursite.com/getdbrefreshtoken.php">https://www.yoursite.com/getdbrefreshtoken.php</a>	
	<input type="text" value="https:// (http allowed for localhost)"/>	<a href="#">Add</a>
	<b>Allow public clients (Implicit Grant &amp; PKCE)</b> ⓘ	
	<input type="text" value="Allow"/>	

6) Copy the **App key** for use later.

7) Copy the **App secret** for use later.

8) Add a redirect URI pointing to `getdbrefreshtoken.php` (enter URL and click **Add**)

<https://www.yoursite.com/getdbrefreshtoken.php>

9) Click the **Permissions** tab and check the **file.content.read** checkbox.

10) Click **Submit** to finish the app setup.

Settings   Permissions   **Branding**   Analytics

---

Individual Scopes   Individual scopes include the ability to view and manage a user's files

---

**Account Info**  
Permissions that allow your app to view and manage Dropbox account info

- account\_info.write   View and edit basic
- account\_info.read   View basic informa country

**Files and folders**  
Permissions that allow your app to view and manage files and folders

- files.metadata.write   View and edit infor
- files.metadata.read   View information a

---

- files.content.write   Edit content of you
- files.content.read   View content of yo

**Collaboration**

Now that the app is setup you will need to get the Refresh Token which is used in the download path. To do this open

<https://www.yoursite.com/getdbrefreshtoken.php>.

**Connect to Dropbox**

Dropbox app key

Dropbox app secret

**Connect to Dropbox**



Enter your **App key** and **App secret** and follow the instruction to get the refresh token. You can remove `getdbrefreshtoken.php` from your server now.

### Setting Dropbox in Linklok

We will now enable Dropbox by adding the following lines to `linklokipn.php` anywhere near your other settings (use your details of course).

```
$dropboxappkey="okzsssts5iy8y64";  
$dropboxappsecret="tzxom6frp4um2j9";  
$dropboxrefreshtoken="tFe-ZlFNiukAAAAAAAAAAVmmOyTQwxaSWrotiSgr3idc";
```

The final step is to make a Dropbox download path. This has the following format

`db|/folder/file.zip`

Basically this is just `db|` at the start to show that it is a Dropbox path followed by the folder and filename of the file. The first `/` is required signifying the root of your Dropbox account. So for example if you have a file called `test.zip` at `/mydownloads/files` in your account you would use the path

`db|/mydownloads/files/test.zip`

Remember that depending on the type of Dropbox account you have there are file storage and bandwidth limits in place.

### A note about link security

It is possible that the Dropbox link can be captured by the user and although the link is secure and cannot be modified to access other files etc it does remain active (and therefore shareable) for 4 hours. This means that access to the file using a captured Dropbox link could be possible for up to 4 hours after the Linklok link expires. This is not an issue in most cases as the original Linklok link is probably set to work for longer anyway. If this is an issue for you then we recommend using Amazon S3 instead as they allow us to set a shorter 5 minute validity on the link.

## Product specific templates

This feature allows you to override the global templates set in \$DownloadTemplate and \$EmailTemplate for specific products. To do this add the following to the extra seventh section of the product definition.

To override the download template add the following setting:-

```
...,DOWNTEMP=downtemp.htm";
```

To override the email template add the following setting:-

```
...,EMAILTEMP=emailtemp.htm";
```

You can stop an email be sent at all by setting **EMAILTEMP** to **NONE** if you wish. e.g.

```
...,EMAILTEMP=NONE";
```

You should note that if a client purchases several products that have templates defined then Linklok determines which template to use as follows. If each product ordered has the same template then that is used. If any product has a different template then Linklok will instead use the global template set in the script.

## Locking links to buyers IP

Linklok can optionally lock download links to the buyers IP address in addition to having a timed expiry ensuring that they cannot be shared even before expiry. As Paypal does not provide the IP address of the buyer and IPN is called by Paypal rather than the buyers browser we need to have the buyers IP address passed through with the buy button. In the zip file you will find a file called [lkcustom.php](#) that can be added to your page to insert this information to the buy buttons custom field. The IP address is hashed to ensure it cannot be modified. Open up [lkcustom.php](#) and set the [\\$LinkKey](#) value to the same value you used in linklokipn.php and then upload it to your server.

### Modifying your buy button

Open up the page containing your buy button and add the following line to it (anywhere before your button will do).

```
<?php include "lkcustom.php"; ?>
```

If lkcustom.php is not in the same folder as the page then use a relative path as required.

Make sure your buy button is not encrypted. If it is you will need to recreate it unencrypted. Linklok stops the price being changed any way so there is no advantage to using an encrypted button. If you use a form based button then add this line to the button(s):-

```
<input type="hidden" name="custom" value="<?php print $custom; ?>">
```

If you use a buy link instead add this to the link(s)

```
&custom=<?php print $custom; ?>
```

Now save your page again using the .php extension. If your page has the .htm or .html extension then just rename it with .php which will have no other effect.

### Enabling IP locking

Now that you have modified the buy button you need to enable Linklok to use the IP information by adding the following setting near the other settings in linklokipn.php.

```
$IPlock=3;
```

A value of 1 will match just the first section of the IP address, 2 the first two sections, 3 the first three sections and 4 requires a complete IP address match. As some ISP's use IP address pooling we suggest setting this to 3 so that the last part of the IP can change without problem. A value of 0 disables this feature.

It is also possible to have this value defined for each product allowing some products links to be IP locked and others not. To do this just add the following setting to the extra seventh section of the product definition.

```
..., IPLOCK=3";
```

If you make use of IP locking you must ensure that all of your buttons have had the custom field added as previously described.

Although the custom value in the buy button cannot be tampered with it could actually be requires moved completely. If you add the following setting to linklokipn.php then Linklok will not allow orders that do not pass in the IP address in the buy button. (Don't add this while testing with test form though).

```
$RequireCustom=1;
```

Once you have enabled IP locking the manual order form will also have extra fields enabling you to IP lock links that you send manually as well assuming that you know the recipients IP address. It should be noted that some users (such as AOL users) may have IP addresses that change radically between each access so they may have problems using IP locked links. However we have found in practice that checking the first 3 sections of the IP address is usually ok. Security is always a compromise between usability and access control.

## Product specific values

You can have one of several product specific values entered into the download or email templates. This is useful if you want to provide a note or username etc for a product.

### Product note

You can set a product specific note in the extra seventh section of the product definition as follows:-

```
...,NOTE=product specific note";
```

This can be displayed in the email or download template using the variable **!!!note!!!**

### Product username and password

You can set a product specific username and password in the extra seventh section of the product definition as follows:-

```
...,USERNAME=username*PASSWORD=password";
```

These can be inserted in to the email or download templates using the variables **!!!username!!!** and **!!!password!!!** within a product loop. These settings can be useful if you wish to provide access to a support area for example. Note that Linklok simply passes these values to the user and does not provide any password protected areas etc. The values are the same for all purchasers of the product. An alternative way to provide usernames and passwords is described in the next section.

## Product value from list (serial numbers)

As well as providing a product specific value Linklok can also provide a value taken from a list that is unique for each product ordered. This is useful if you want to provide a unique serial number or password to each purchaser of the product.

First of all you need to create a text file containing one value per line in the order you wish them to be issued. Upload this text file to your server (perhaps to your secure product folder) and ensure that the file has read and write access. Now you need to tell Linklok where this file is by adding a setting to the extra seventh section of the product definition as follows:-

```
...,SERIAL_NO_LIST=dsgjhruyrhgfetg/list.txt";
```

The value returned can be inserted in to the email template using the variable **!!!serialnumber!!!**. Please note that if you add this variable to both the email and download template then two serial numbers will be issued. This can be solved if you use the MySQL order table described later. When you only have 5 entries left in the list Linklok will send you an email warning you to upload a new list.

As well as being useful for serial numbers you can use this system to provide unique usernames and passwords or unlock codes for your product. In fact anything that can be inserted into a line of the text file.

When using this feature we recommend that you also setup the 'Stop bookmarking or refreshing the download page' feature described earlier. This stops the return page being visited more than once.

## User defined function

If you wish to provide a value such as a software unlock code to the buyer that can be generated using PHP code then you can use this feature. You can either create the PHP code yourself or contact us for help.

To get this function called for a product add this setting to the extra seventh section of the product definition:-

```
...,USER_FUNCTION=value";
```

Near the end of linklokipn.php you will find a function called:-

```
function userfunction($data,$user1,$user2,$user3,$user4)
```

You can customise this function as required so that it returns the required string value. The parameters that come in to the function are as follows:-

**\$data** The value entered in the product definition. This can tell your code which product you are working with.

**\$user1** This is the on0 value from your buy button.

**\$user2** This is the os0 value from your buy button.

**\$user3** This is the on1 value from your buy button.

**\$user4** This is the os1 value from your buy button.

You can also use **\$custom**, **\$first\_name**, **\$last\_name** and **\$payer\_business\_name** within your code. If you wish to be able to enter these value in the manual order form then add the following setting to the script near the other settings.

```
$AdvancedForm=1;
```

The value returned can be inserted in to the email and download template using the variable **!!!userfunction!!!**. Please note that if you add this variable to both the email and download template then the function will be called twice. This can be solved if you use the MySQL order table described later in which case the first returned value will be reused.

## Blocking download access by email

As Linklok is called after payment it can't block a sale to a user with a certain email address. However we can block orders made from that email from downloading. This can be useful when you have repeated fraud from certain users. To block an email address add the following line to linklokipn.php near you other settings.

```
$BlockEmail[]="hacker@gmail.com";
```

You can add as many lines like this as you wish to block multiple emails.

When the user tries to download they will by default see the message 'Access to this download has been blocked'. If you prefer you can instead send them to a specified URL by adding this setting.

```
$BlockEmailUrl="http://www.yoursite.com/blocked.html";
```



## Software Passport

Software Passport (also known as Armadillo) is a commercial software protection system that can be used to lock any Windows based exe file. Linklok can generate unlock codes for use with programs protected by this system. Software Passport was designed for use with (and owned by) the payment processor Digital River but now thanks to Linklok you also have the option to use Paypal. Please note that you will need to purchase from Silicon Realms their KeyMaker PHP script to use this feature. This script was provided by them free of charge in the past but they haven now decided to charge for this.

So that Linklok can generate unlock keys it needs to know which key level you are using and also the encryption key used. For example if you have protected your program with a level of 13 and a key of 185dt846dgu3tu5t then you would add the following to the extra seventh section of the product definition.

```
...,SOFTWARE_PASSPORT=13185dt846dgu3tu5t";
```

Notice that the first two characters of the string indicate the key level used. This key level is not indicated directly in the Software Passport application but can be determined as follows.

Unsigned keys are level -1. For signed keys subtract 1 from the signature level in SoftwarePassport/Armadillo, then add 0 for V2 keys, or 10 for V3 keys, or 20 for ShortV3 keys.

For example a level 4 V3 key would be level 13 for our purposes. We strongly recommend that you do not use V3 short keys (level 20 or above) as these can take over 30 seconds to generate in PHP.

We apologize that this is a little complex but this is required by the key generator functions supplied by Software Passport and is out of our control.

When creating unlock codes Software Passport also needs to know the license name to use and optionally a PC hardware fingerprint. By default Linklok will use the first\_name and last\_name as supplied by Paypal. If these are not available it will use payer\_business\_name. It will also assume that hardware locking is not used. However you can override these values by using the Paypal option variables in your buy button as follows:-

```
<input type="hidden" name="on0" value="Fingerprint">  
<input type="hidden" name="os0" value="fingerprint value">
```

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```
<input type="hidden" name="on1" value="License Name">
<input type="hidden" name="os1" value="license name value">
```

If you are not using the PC fingerprint set os0 to "0".

One nice feature with Software Passport is that you can set the Paypal buy button directly into your application so that your applications buy button can take the buyer directly to Paypal and automatically insert the hardware fingerprint. Here is an example link that would be entered for the website URL in Software Passport.

```
https://www.paypal.com/xclick/
business=paypal@yoursite.com&on0=Fingerprint&os0=%fingerprint%
&amount=9.95&item_number=1&item_name=description&currency_cod=
USD
```

(The above is split on several lines because of space limitations)

Linklok does not include a copy of Software Passport's PHP functions (currently called KeyMakerV214.php) which you will need to purchase from Silicon realms. To enable Linklok to use it simply upload KeyMakerV214.php to the same folder where you have linklokipn.php and add the following setting near the other settings.

```
include"KeyMakerV214.php";
```

The values return by the unlock key generator can be inserted into email and download templates using the variables **!!!softwarepassportname!!!** and **!!!softwarepassportkey!!!**. Please note that if you add these variables to both the email and download templates then two different keys will be generated. Both are valid but will be different. This can be solved if you use the MySQL order table described later.

If you wish to be able to enter the license name and hardware fingerprint in the manual order form then add the following setting to the script near the other settings.

```
$AdvancedForm=1;
```

When using this feature we recommend that you also setup the 'Stop bookmarking or refreshing the download page' feature described earlier. This stops the return page being visited more than once.

## Template Segments

This powerful feature allows you to add customized sections to your email and download templates for each product (or for just some). A segment can also be added if items are ordered that Linklok knows nothing about such as physical products. These segments can be considered like text or html snippets that will be inserted within the product loop of the template. You can use any of the other template variables within these segments.

To use this feature write the text or html you would like to have for the product, save it to a file and upload it to your server.

In the extra seventh section of the product definition add the following setting:-

```
...,DSEGMENT=prod1seg.txt";
```

**DSEGMENT** defines a download template segment and **ESEGMENT** defines an email template segment.

This segment will be inserted into the product loop of the template using the variable **!!!segment!!!**. You can combine this with the other product variables or instead add the other product variables to each product segment.

As well as the product specific segments there are four global segments that you can define directly in the script.

**\$Dsegment** points to a default segment file that will be inserted in the download template if no product specific segment is defined.

**\$Esegment** points to a default segment file that will be inserted in the email template if no product specific segment is defined.

**\$UnknownDsegment** points to a segment file that will be inserted by the variable **!!!unknownsegment!!!** in the download template if one or more products have been ordered that Linklok does not have a definition for. This could be physical products for example. **\$UnknownEsegment** points to a segment file that will be inserted by the variable **!!!unknownsegment!!!** in the email template if one or more products have been ordered that Linklok does not have a definition for. This could be physical products for example. These template variables should be used outside of the product loop.

There are many uses for the template segment system but here is an example of using segments to handle physical products.

### Example use of segments

One method to handle physical products is to actually define them in the script as you would do for downloadable products but instead of entering a download path just enter NA. Now that you have defined non downloadable products as well it would make no sense to simply use the product variables in a product loop in the template as some of the links would not be valid. Instead create two or more separate segments to handle downloadable and physical products and assign them to each product as appropriate.

Segment for download product (saved as downseg.txt)

```
can be download by clicking here <a href="!!!  
link!!!">!!!filename!!!</  
a> (!!!size!!!). Link expires in !!!expires!!!.
```

Segment for physical product (saved as shipseg.txt)

```
will be shipped by US Mail First Class. Please allow 1  
week for  
delivery.
```

Product definition for download products

```
...,DSEGMENT=downseg.txt*ESEGMENT=downseg.txt";
```

Product definition for physical products

```
...,DSEGMENT=shipseg.txt*ESEGMENT=shipseg.txt";
```

Now in the email and download templates you would have the following which would display either the download information or shipping information.

```
<!--eachproductstart-->  
!!!description!!! !!!segment!!!<br><br>  
<!--eachproductend-->
```

## Products without definitions

For some sites that have thousands of products (perhaps a photo library) it may not be practical to define each product in Linklok or the external file. To solve this you can setup a default download folder, minimum price and description which will be used if a product is ordered and not found in the defined products. To set this up add the following settings to the script.

```
$DefaultLocation="dsgjhruyrhgfetg/";  
$DefaultPrice="USD=10.00";  
$DefaultExpiry="1440";  
$DefaultExtra="";
```

Set the Item Id (item\_number) for the buy button to the filename required and the item\_name to the description. If you use your own html for buttons then you would have these settings for example

```
<input type="hidden" name="item_number" value="sample.zip">  
<input type="hidden" name="item_name" value="Sample">
```

Make sure the price set in `$DefaultPrice` is the lowest price for any of the products sold this way.

## Multiple copies of download products

Normally Linklok only needs to generate one download link per product no matter the quantity ordered as each link points to the same file anyway. In some circumstances you may wish for Linklok to create a link and associated serial numbers or unlock keys based on the quantity ordered. You can enable this on an individual product basis by adding a setting to the extra seventh section of the product definition as follows:-

```
...,MULTIPLE=YES";
```

## Fixed expiry times

If you wish to have a download to expire at a certain fixed time rather than after a certain number of minutes then define it as a 12 digit expiry time in the following format:-

```
yyyymmddhhmm
```

So for example to have an expiry time of August 1st 2005 at 23:59 you would set the expiry time as follows:-

```
200508012359
```

In the templates you can display the actual expiry date and time instead of the remaining time by using the following variables.

```
!!!expiresat!!!  
!!!expiresat_1!!!  
!!!expiresat(id)!!!
```

## Integrating with Sitelok

Sitelok is a script that can manage multiple members only areas on your site. For further details about Sitelok you can visit

<http://www.vibralogix.com/sitelokpw/>

Linklok can automatically create and update Sitelok user accounts as required. For example if you sell a software product and would like to automatically create a username and password for the user to access your support area then Linklok can process this and insert the username and password into the email. Each product can have its own members area, expiry time and login page.

Before trying to integrate Linklok and Sitelok we strongly recommend that you make sure that both scripts function correctly by themselves first. This will make testing much easier.

### Step 1

To enable Sitelok support in Linklok you first need to add the following settings to linklokipn.php.

```
if ((!isset($_REQUEST['llauth'])) && (!isset($_REQUEST['authe'])))
    require("slpw/sitelokapi.php");
$SitelokEmailNew="";
$SitelokEmailNewAdmin="";
$SitelokEmailUpdate="";
$SitelokEmailUpdateAdmin="";
```

Make sure that the require uses a relative path to the slpw folder where you installed Sitelok.

Normally when users are added or updated in Sitelok via Linklok you can display the Sitelok login details within the Linklok email and return page templates. However there maybe times that you wish to have Sitelok send out emails itself using Sitelok email templates. In this case you can set the following to the names of the email template to send in each case. The template should exist in the slpw/email folder. For most cases you can leave them set to "" though.

`$SitelokEmailNew`                      Email template to send to the user when a Sitelok account is created.

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- `$SitelokEmailNewAdmin` Email template to send to the Sitelok admin when a new user account is created.
- `$SitelokEmailUpdate` Email template to send to the user when a Sitelok account is updated.
- `$SitelokEmailUpdateAdmin` Email template to send to the Sitelok admin when a new user account is updated.

### Step 2

Now you need to tell Linklok which usergroup (members area) a user should be added to when they purchase the product. If you simply want to add all users to the same group then add these settings to linklokipn.php

```
$SitelokDefaultGroup="GROUPNAME";  
$SitelokDefaultExpiry=365;
```

This would add all users to the GROUPNAME usergroup for 365 days. You can set the expiry to 0 for no expiry.

You can also add users to usergroups on a per product basis by adding some settings to the extra seventh section of the product definition as follows:-

```
...,SLGROUP=GOLD*SLEXPIRES=365*SLLOGIN=http://  
www.vibralogix.com/linklok/support.php";
```

The above example would add any user that purchases the product to the GOLD members area for 1 year. You can set SLEXPIRES to 0 to allow unlimited time. The SLLOGIN setting is optional and points to the login page for this user group. When a user is added his Paypal email address is used as the username as this ensures that returning clients can be recognised. The name entered will be the clients full name.

### Step 3

The final step is to setup the email and download template to display the Sitelok login details. As Sitelok allows users to be members of multiple user groups it only needs to generate one username and password for the user no matter how many groups they join. To display the username and password just use the following template variables.

```
!!!sitelokusername!!!  
!!!sitelokpassword!!!
```



If you have defined a product specific login page using SLLOGIN then this can be displayed within the product loop structure using the following template variable:-

```
!!!siteloklogin!!!
```

You can find an example template in the support area on our website.

By default **!!!sitelokpassword!!!** will always show the password. However for extra security or where you have set Sitelok to use hashed passwords you may prefer to have the password shown when the Sitelok account is created. Further orders would just show \*\*\*\*\* or other text. To set this add this setting to linklokipn.php

```
$SitelokHideExistingPassword="*****";
```

You can change the \*\*\*\*\* for other text such as [your existing password](#) for example.

### Storing other buyer details in custom fields

By default a user will be added to Sitelok using their Paypal email address as a username, a random password (unless the account already exists) and their full name. You can also store other details in custom fields if you wish by defining the Paypal IPN variable to associate with each field. For example if you wish to store the buyers business name (if they have one) in custom1 and zip code in custom 2 you would add this setting to linklokipn.php

```
$SitelokCustom[1]="payer_business_name";  
$SitelokCustom[2]="address_zip";
```

Note that these custom settings are only added when an account is created. They are not updated when an account already exists. This enables the user to change their details as they wish in their Sitelok user profile.

The following are a list of the IPN variables most commonly used. Address details are only provided by Paypal when your buttons request a shipping address.

<a href="#">payer_business_name</a>	Business name of the buyer if they have one
<a href="#">txn_id</a>	Order number

<code>address_name</code>	Shipping address name
<code>address_street</code>	Shipping address street
<code>address_city</code>	Shipping address city
<code>address_zip</code>	Shipping address zip
<code>address_country</code>	Shipping address country
<code>first_name</code>	First name
<code>last_name</code>	Last name

## iDevAffiliate support

iDevAffiliate is the leading self managed affiliate software. Linklok can automatically call iDevAffiliate after a sale ensuring that your affiliates get their sales commission. For further details about iDevAffiliate please visit their website at:-

<http://www.idevaffiliate.com>

### Step 1

To enable iDevAffiliate support add the following setting to linklokipn.php near your other settings.

```
$Idevaffiliate="http://www.yoursite.com/idevaffiliate/sale.php";
```

You will need to adjust this to point to sale.php on your server.

### Step 2

If you are using the built in predefined download page then you are done. If you use a custom download page template then you need to add the following template variable in a suitable place in the page. This is where Linklok insert the hidden graphic that triggers the iDevAffiliate script.

```
!!!idevaffiliate!!!
```

If you sell in currencies other than that of your iDevAffiliate installation you can set the exchange rate(s) as follows:-

```
$exchange['USD']=1;  
$exchange['GBP']=0.57;
```

## Shareasale support

Shareasale is a popular affiliate management service that requires no software to be installed on your server. Linklok can automatically call shareasale.com after a sale ensuring that your affiliates get their sales commission. For further details about Shareasale please visit their website at:-

<http://www.shareasale.com>

### Step 1

To enable Shareasale support add the following setting to linklokipn.php near the other settings.

```
$Shareasale="1234";
```

You will need to replace the 1234 with your own Shareasale merchant id.

### Step 2

If you are using the built in predefined download page then you are done. If you use a custom download page template then you need to add the following template variable in a suitable place in the page. This is where Linklok insert the hidden graphic that calls Shareasale.

```
!!!shareasale!!!
```

If you sell in currencies other than that of your Shareasale account you can set the exchange rate(s) as follows:-

```
$exchange['USD']=1;  
$exchange['GBP']=0.57;
```

## Jam Affiliate support

Jam Affiliate is a great affiliate management system which is free for up to 250 affiliates. Linklok can automatically call Jam Affiliate after a sale ensuring that your affiliates get their sales commission. For further details about Jam Affiliate please visit their website at:-

<http://jam.jrox.com/partners/id/1351>

### Step 1

To enable Jam Affiliate support add the following setting to linklokipn.php near the other settings.

```
$Jamaffiliate="http://www.domain.com/affiliates/  
sale.php";
```

You will need to adjust this to point to sale.php on your server.

### Step 2

If you are using the built in predefined download page then you are done. If you use a custom download page template then you need to add the following template variable in a suitable place in the page. This is where Linklok insert the hidden graphic that triggers the Jam Affiliate script.

```
!!!jamaffiliate!!!
```

If you sell in currencies other than that of your JamAffiliate installation you can set the exchange rate(s) as follows:-

```
$exchange['USD']=1;  
$exchange['GBP']=0.57;
```

## Support for other affiliate programs

Most affiliate systems make use of a hidden graphic on the thank you page displayed after a paid transaction. Linklok can work with most of these systems as follows:-

### Step 1

First of all you need to get the html required for the affiliate call. This will probably look something like this.

```

```

To convert this to be used in Linklok simply replace the position where the total amount of the sale should go with `!!!total!!!` and the the order number with `!!!order_number!!!`. Then replace any `"` with `\` (PHP needs a `\` before each `"` symbol). The set `$Affiliate` to this string. Here is the converted example:-

```
$Affiliate="<img src=\"http://www.affiliate.com/
sale.php?amount=!!!total!!!&id=!!!order_number!!!\"
width=1 height=1>";
```

### Step 2

If you are using the built in predefined download page then you are done. If you use a custom download page template then you need to add the following template variable in a suitable place in the page. This is where Linklok insert the hidden graphic that calls the affiliate system.

```
!!!affiliate!!!
```

If you sell in currencies other than that of your affiliate system you can set the exchange rate(s) as follows:-

```
$exchange['USD']=1;
$exchange['GBP']=0.57;
```

## SMS order alerts

You can optionally be alerted by an SMS text message when an order is received by Linklok Paypal. We have found that the service provided by Clickatell offers the best pricing, reliability and coverage supporting 569 networks in 183 countries.

First of all you need to open an API http account with them. Please use this link to do this.

<http://www.clickatell.com/central/campaigns/redis.php?cid=2267>

Once you have an account you should have a username, password and API ID (must be for http protocol). Add the following lines to linklokipn.php to enable SMS alerts.

```
$Clickatell_api_id="123456";  
$Clickatell_user="username";  
$Clickatell_password="password";  
$Clickatell_to="4412345678";  
$Clickatell_mode="ALL";
```

The \$Clickatell\_to setting should be the alert phone number in full international format without any leading zero's or + signs.

The \$Clickatell\_mode setting can have the following settings.

<b>ALL</b>	This will alert you about all orders
<b>PENDING</b>	This will alert you to orders paid by eCheck
<b>PRODUCT</b>	This will alert you when certain products are ordered. In this case you need to add <b>SMS=YES</b> to the extra seventh section of the relevant products.

## Kunaki Integration

Kunaki (<http://www.kunaki.com>) offer an automated process to create CD's and DVD's (data, video or audio) complete with cases and custom printed inserts that can be shipped worldwide. There are no setup charges or minimum orders and you can upload your files and artwork to create products ready to be shipped in just a few minutes. Linklok can call Kunaki's XML system to automate the production and shipping. This way not only can Linklok handle your download delivery but also automatically ship your physical media too.

### Enable Kunaki support

Before setting up Kunaki support we recommend making sure that Linklok works for delivery of download links first.

To enable Kunaki support in Linklok add the following lines to linklokipn.php anywhere near your other settings.

```
$kunaki_username="username";  
$kunaki_password="password";  
$kunaki_shippingmethod=0;  
$kunaki_mode="Live";
```

Set the username and password for your Kunaki account as required.

The `$kunaki_shippingmethod` should be 0 to always use the cheapest shipping method offered by Kunaki. Set it to 1 to always use the most expensive. For most sites 0 is fine.

The `$kunaki_mode` setting should be left as "Live" normally. There is a "Test" setting offered by Kunaki but it doesn't seem show orders in their admin so is not of much help here.

### Define products to ship via Kunaki

Any product defined in Linklok can also be set to deliver a Kunaki product. To do this you need to add the following to the extra seventh section of the product definition

```
KUNAKI_ID=productid
```

where productid is the Kunaki product id. So for example



```
$Products[]="id1,Album,USD=29.95,dsgjhruyrhgfetg/  
disc.zip,0,1440,KUNAKI_ID=PX00FGYJ";
```

This would deliver the file disc.zip normally as a download and also ship the Kunaki product PX00FGYJ directly to the client. Kunaki will deliver and charge for the quantity ordered by the client.

### Shipping address

Obviously to automate delivery you must make sure that you get a valid shipping address from the client. You can force Paypal to get a shipping address from the buyer by adding this line to your Paypal button form

```
<input type="hidden" name="no_shipping" value="2">
```

If you use a Paypal hosted button you will need to adjust the button accordingly.

### Testing Kunaki Orders

The only easy way to test the Kunaki system is to make sure your account balance is 0 and then make some live orders. You will then see the orders listed in the Kunaki admin and you can check they are as expected and then delete them. Be careful though because if you do have a credit balance then any test orders will be shipped out immediately and cannot be cancelled. We cannot be responsible for orders shipped out in error. Linklok won't ship Kunaki products when using the manual order form or testform.

We recommend enabling the \$Txnid setting as described on page 30 when using Kunaki. This stops repeat orders being sent out if repeated IPN calls were sent from Paypal due to server issues etc.

## Trepstar Integration

Trepstar (<https://www.trepstar.com>) offer an automated process to create CD's, DVD's (data, video or audio) and USB memory sticks complete with cases and custom printed inserts that can be shipped worldwide. There are no setup charges or minimum orders and you can upload your files and artwork to create products ready to be shipped in just a few minutes. Linklok can call Trepstar's API automate the production and shipping. This way not only can Linklok handle your download delivery but also automatically ship your physical media too.

### Enable Trepstar support

Before setting up Trepstar support we recommend making sure that Linklok works for delivery of download links first.

To enable Trepstar support in Linklok add the following lines to linklokipn.php anywhere near your other settings.

```
$trepstar_username="username";  
$trepstar_password="password";  
$trepstar_shippingmethod="standard";  
$trepstar_mode="prod";
```

Set the username and password for your Trepstar account as required.

The `$trepstar_shippingmethod` can be standard, rtrackstandard, priority or express. rtrackstandard means standard + tracking.

The `$trepstar_mode` setting should be left as "prod" normally. You can set it to test to allow test orders to be made. This still requires a live order though as the Linklok test form doesn't use address details.

### Define products to ship via Trepstar

Any product defined in Linklok can also be set to deliver a Trepstar product. To do this you need to add the following to the extra seventh section of the product definition

```
TREPSTAR_ID=productid
```

where productid is the Trepstart product id. So for example

```
$Products[]="id1,Album,USD=29.95,dsgjhruyrhgfetg/  
disc.zip,0,1440,TREPSTAR_ID=200123";
```

This would deliver the file disc.zip normally as a download and also ship the Trepstar product 200123 directly to the client. Trepstar will deliver and charge for the quantity ordered by the client.

### **Shipping address**

Obviously to automate delivery you must make sure that you get a valid shipping address from the client. You can force Paypal to get a shipping address from the buyer by adding this line to your Paypal button form

```
<input type="hidden" name="no_shipping" value="2">
```

If you use a Paypal hosted button you will need to adjust the button accordingly.

## AWeber Integration

AWeber is a popular email marketing service. Linklok can now automatically add your clients to your AWeber mailing list. The user will of course still receive a confirmation email from AWeber to complete the process to comply with spam regulations. Linklok supports either a global mailing list where all clients are added or product specific mailing lists.

### AWeber email parser setup

Before Linklok can submit users to AWeber you need to enable email parsing in your AWeber account. This tells AWeber to read the email it receives from Linklok and to strip out the data to store in each field. To set this up follow these steps.

- 1) Sign in to your AWeber admin panel
- 2) Hover over the **MY Lists** menu and click **Email Parser** in the drop down menu.
- 3) Ensure the list you want to use is selected in the **Current List** drop selector.
- 4) Scroll down to **Custom Parsers** and click **add new**.
- 5) Enter the fields so that the form looks exactly like this

Description:	<input type="text" value="Linklok Paypal"/>
Trigger Rule:	<input type="text" value="Subject:[^\n]+Subscribe Member - Linklok Paypal"/> Match On: Headers
Decode HTML Entities?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Rule 1:	<input type="text" value="\n[&gt; s]*email:[ ]+(. +?)\n"/> Match: Body Store In: Email
Rule 2:	<input type="text" value="\n[&gt; s]*name:[ ]+(. +?)\n"/> Match: Body Store In: Name
Rule 3:	<input type="text"/> Match: Body Store In: Email
Rule 4:	<input type="text"/> Match: Body Store In: Email
Rule 5:	<input type="text"/> Match: Body Store In: Email
Rule 6:	<input type="text"/> Match: Body Store In: Email
<input type="button" value="Save"/>	
<input type="checkbox"/> Enable parser for all lists in this account	

As this image may not be very clear here is the text that you can copy and paste in to each field.

### Trigger Rule (match on headers)

```
Subject:[^\n]+Subscribe Member - Linklok Paypal
```

#### Rule 1

```
\n[>\s]*email:[ ]+(.+?)\n
```

#### Rule 2

```
\n[>\s]*name:[ ]+(.+?)\n
```

6) Scroll down and click **Save**.

The above will enable Linklok to subscribe a user using their name and email address. If you wish to store other fields collected from paypal into AWeber custom fields then you can add further Rules like this.

```
\n[>\s]*fieldname:[ ]+(.+?)\n
```

Replace fieldname with one of the following:-

```
company  
ordernumber  
invoice  
address_name  
address_street  
address_city  
address_state  
address_zip  
address_country  
address_country_code  
custom  
item_number
```

### Enable AWeber in Linklok for all orders

To have all clients added to the same mailing list in AWeber add the following setting near your other settings in linklokipn.php

```
$AWeberList="yourlistname@aweber.com";
```

Make sure yourlistname is set to the name of your list.

## Enable AWeber for specific products in Linklok

Instead of enabling AWeber for all clients using one list you can add clients to specific lists when they purchase certain products. To do this just add the following to the extra seventh section of the product definition.

```
AWEBER=yourlistname@aweber.com
```

so for example

```
$Products["id1,Description,USD=29.95,dsgjhruyrhgftg/  
prod1.zip,0,1440,AWEBER=yourlistname@aweber.com"];
```

The above should be all on one line.

## AutoResponse Plus integration

AutoResponse Plus (ARP) is a self hosted mailing list and auto responder system. Linklok can automatically add your clients to ARP when they order either globally or for specific products.

### Enable ARP for all orders

To have all clients added to ARP when they order you need to add these two settings to linklokipn.php near your other settings.

```
$arpURL="http://www.yoursite.com/cgi-bin/arp3/arp3-formcapture.pl";  
$arpID="2";
```

`$arpURL` should of course point to your site. `$arpID` should be set to the autoresponderID for the required list. To get this ID

- Go into your AutoResponse Plus system and view the autoresponder list
- Move your mouse over the options in the 'actions' column and look at the URL in the status bar
- The ID number is shown as id= in the URL

### Enable ARP for specific products

Instead of enabling ARP for all clients using one list you can add clients to specific lists when they purchase certain products. To do this add this setting in linklokipn.php near your other settings

```
$arpURL="http://www.yoursite.com/cgi-bin/arp3/arp3-  
formcapture.pl";
```

and add the following to the extra seventh section of the product definition.

```
ARP=2
```

so for example

```
$Products[]="id1,Description,USD=29.95,dsgjhruyrhgftg/prod1.zip,0,1440,ARP=2";
```

You can also pass custom variables into ARP. To do this add them as follows

```
ARP=2?CUSTOM_test1=123&CUSTOM_test2=456
```

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You can use some template variables in the custom values as well as follows.

`ARP=2?CUSTOM_prodid=!!!item_number!!!&CUSTOM_date=!!!date!!!`

Only the General Order template variables and `!!!item_number!!!` and `!!!item_name!!!` can be used (not download links etc).



## Get Response integration

Get Response is a popular email marketing service. Linklok can automatically add your clients to a global or product specific GetResponse campaign. The user will of course still receive a confirmation email from GetResponse to complete the process to comply with spam regulations.

### Enable Get Response

To enable Get Response follow these steps

1) Add these two settings to linklokipn.php near your other settings.

```
$getresponseapikey = '4f4378595430d79da5e1089c54683426';  
require_once("jsonRPCClient.php");
```

Replace the api key with your own key provided by Get Response.

2) Download [jsonRPCClient.php](#) from our support area and upload it to the same place as linklokipn.php

You can now decide whether to add users to one global campaign or product specific campaigns (or both if you wish).

### Add all users to one global campaign

To have all clients added to a campaign when they order you need to add this setting to linklokipn.php near your other settings.

```
$getresponsecampaign="campaignname";
```

setting [campaignname](#) accordingly.

### Add users to product specific campaigns

To add users to product specific campaigns add [GETRESPONSE=campaignname](#) to the extra seventh section of the product definition. For example

```
$Products[]="id1,Description,USD=29.95,dsgjhruyrhgfetg/  
prod1.zip,0,1440,GETRESPONSE=clients";
```

## ARP Reach integration

ARP Reach is a popular email marketing script. Linklok can automatically add your clients to a global or product specific list.

### To enable this feature

Create a subscription form in ARP Reach and note the URL which will be something like `http://www.yoursite.com/reach/a.php/sub/1/g67ef5`. You don't need to have users access this form though.

### To have all buyers add to a global list

Add the following line to `linklokipn.php` near your other settings using the form URL.

```
$arpreachURL="http://www.yoursite.com/reach/a.php/sub/1/g67ef5";
```

### Add users to product specific lists

To add users to product specific campaigns add `ARPREACH=url` to the extra seventh section of the product definition. For example

```
$Products[]="idl,Description,USD=29.95,dsgjhruyrhgfetg/prodl.zip,0,1440,ARPREACH=http://www.yoursite.com/reach/a.php/sub/1/g67ef5";
```

## Mailchimp integration

Mailchimp is a popular email marketing service. Linklok can automatically add your clients to a global or product specific list.

### To enable this feature

Add the following line to linklokipn.php near your other settings.

```
$mailchimpapikey = "a9634f4655e455738593632655-us6";
```

setting your own API key which can be found in your Main Account [Settings - Extras - API Keys](#).

### To have all buyers added to a global list

Add the following line to linklokipn.php near your other settings setting your List ID which can be found in [Lists](#) - and then selecting [Settings](#) from the list drop down menu.

```
$mailchimplistid="345463da3c";
```

### Add buyers to product specific lists

To add buyers to product specific campaigns add [MAILCHIMP=listid](#) to the extra seventh section of the product definition. For example

```
$Products[]="id1,Description,USD=29.95,dsgjhruyrhgfetg/  
prod1.zip,0,1440, MAILCHIMP=345463da3c";
```

## Sharing IPN and Auto Return with other scripts

If you need to share IPN or Auto Return with other scripts there are several solutions.

### Overriding settings in the Paypal button

If your use of Linklok or other scripts are related to certain Paypal buttons then you can override the default IPN and auto return URL's set in Paypal admin with URL's specific for that button. If you use the button maker in Paypal admin then open the Advanced section and set the field [Take customer to a specific page \(URL\) after successful checkout](#): to the URL for the auto return. For Linklok this would be <http://www.yoursite.com/linklokipnret.php> for example.

In the Add advanced variables area add the following to override the IPN handler URL.

```
notify_url=http://www.yoursite.com/linklokipn.php
```

If you have coded your own buttons then you can just add these lines to do the same job.

```
<input type="hidden" name="return" value="http://  
www.yoursite.com/linklokipnret.php">  
<input type="hidden" name="notify_url" value="http://  
www.yoursite.com/linklokipn.php">
```

If for some reason the other script doesn't allow the use of Auto Return and PDT then you can force Linklok to handle the normal POST return data from Paypal. To do this you must also add this line to your button

```
<input type="hidden" name="rm" value="2">
```

### Passing through the IPN call

If you already have an existing IPN handler that you wish to have called simultaneously with Linklok for transactions then you can use the IPN pass through feature. To enable it add this setting near your other settings in linklokipn.php.

```
$IPNpassthru="http://www.yoursite.com/ipnhandler.php";
```

## Clicklocker Integration

Clicklocker is a third party subscription service that allows you to lock programs and PDF files so that an activation key is required before they can be used. This system allows you to control how your digital products are used and to protect your hard work from piracy and illegal sharing. For further details about Clicklocker please visit:-

<http://www.clicklocker.com/vibralogix>

Normally Clicklocker requires your clients to visit the Clicklocker site after purchasing your product where they enter their name and email address to receive an activation code that enables the product. Linklok streamlines this system automatically sending the clients details to Clicklocker and retrieving the generated activation code that can then be included within the email or download template. This all happens in the background so the client does not see or need to do anything and increases the security of the system. This also allows multiple Clicklocker secured products to be handled in one order.

To set this up first of all open an account with Clicklocker and follow their instructions to setup your product(s). You will be given a url that you normally would use as a thank you page. In the extra seventh section of the relevant product definition add the URL as follows:-

```
...,CLICKLOCKER=http://www.clicklocker.com/  
thankyou.php? aid=469&pid=1&code=496969";
```

Of course you need to replace the above URL with your own product URL. (the above is split on two lines for space reason only) To display the activation code in your email or download template insert **!!!clicklocker!!!**. Please note that if you add this variable to both the email and download templates then two different activation keys will be generated. Both are valid but will be different. This can be solved if you use the MySQL order table described later.

When using this feature we recommend that you also setup the 'Stop bookmarking or refreshing the download page' feature described earlier. This stops the return page being visited more than once.

## Storing orders in a MySQL table

Linklok can write the details of each order received to a MySQL table. This can be useful to keep track of not only orders but the associated serial numbers, Sitelok usernames/passwords and other Linklok generated values. This function has been provided to help developers integrate other systems but please note that we do not currently provide tools to access or analyse this data. However third party developer kigkonsult.se has developed llop which is a great script for managing orders and products stored in tables from Linklok. For more information please visit their site at <http://kigkonsult.se/llop/index.php>. Most hosting companies also provide tools such as phpMyAdmin which access the data.

Before setting up the table you will need to have an existing database setup and also a MYSQL user that has full access to it. Once you have this then go to our support area and download the createordertable.php file. Upload it to your server and execute it in your browser. Enter the database name and mysql user details requested to create the table. To enable this in Linklok add the following settings near the others in the script.

```
$DbHostLinklok="localhost";  
$DbUserLinklok="mysqlusername";  
$DbPasswordLinklok="mysqlpassword";  
$DbNameLinklok="databasename";  
$DbTableNameOrders="orders";
```

We recommend that you make a test order using the manual order form to check that all is working as planned. You will notice that the table contains many details about the order and also has some fields that may be blank or unused at this time. This is to allow compatibility with other versions of Linklok.

Having the order table setup has several advantages if you use the serial number, user function, Software Passport or Clicklocker features because it ensures that the values sent in both the email and download templates are the same.

If you use the \$Txnid feature to block repeated IPN calls then you can set this as follows once the orders table is working.

```
$Txnid="mysql";
```

This removes the need to use the txnid.txt file.

## Retrieving product details from MySQL

As well as allowing products to be defined within the script or an external file you can also have them defined in a MySQL table. This is particularly useful if you already have the products setup for other uses on your site. This function has been provided to help developers integrate other systems but please note that we do not currently provide tools to access or analyse this data. However third party developer kigkonsult.se has developed llop which is a great script for managing orders and products stored in tables from Linklok. For more information please visit their site at <http://kigkonsult.se/llop/index.php>. Most hosting companies also provide tools such as phpMyAdmin which access the data.

If you already have a table setup then you can skip this paragraph. If you want to setup a table from scratch then you will need to have an existing database setup and also a MYSQL user that has full access to it. Once you have this then go to our support area and download the createproductstable.php file. Upload it to your server and execute it in your browser. Enter the database name and mysql user details requested. If all is well the products table will be created.

To enable this in Linklok add the following settings near the others in the script.

```
$DbHostLinklok="localhost";
$DbUserLinklok="mysqlusername";
$DbPasswordLinklok="mysqlpassword";
$DbNameLinklok="databasename";
$DbTableNameProducts="products";
$DbProductsId="id";
$DbProductsDescription="description";
$DbProductsPrice="price";
$DbProductsLocation="location";
$DbProductsExpiry="expiry";
$DbProductsExtra="extra";
```

The data contained in the fields should be the same as when defined within the script as described earlier. Only the fields id, description and location are required. The other fields can have default values set as required by adding extra settings as follows:-

### Price

```
$DefaultPrice="9.95";
```

or

```
$DefaultPrice="USD=9.95:GBP=6.95";
```

This is the minimum price that Linklok will accept for the products and doesn't need to be exact. If you use just a value you can also set the default currency as follows:-

```
$DefaultCurrency="USD";
```

If this is not set then USD is assumed anyway.

### **Expiry**

```
$DefaultExpiry=1440;
```

### **Extra**

This is the extra seventh field used by some of the more advanced features of Linklok.

```
$DefaultExtra="EMAILTEMP=temp.htm";
```

### **Location**

You can either store the full path to the download file in the table or just the filename. If you store just the filename you need to tell Linklok the path to the folder used with this setting.

```
$DefaultLocation="dsgjhruyrhgfetg/";
```

This actually gets added as a prefix to the filename stored in the table when the file is accessed. We recommend that you test the products table by using the manual order form.



## Display page during download

When a download link is clicked in an email normally the browser is opened to handle this and a blank page is displayed. If you wish you can have a page displayed during download instead. To do this create the page to be displayed and upload it to the same folder where you have Linklok installed and add the following setting to enable this.

```
$DownloadBackground="page.htm";
```

There may be times when the automatic download will not begin (because of browser security restrictions etc) in which case you can use the template variable **!!!link!!!** to include the link in the page. For example:-

```
Your download should begin automatically but if not  
please  
<a href="!!!link!!!">click here</a> to start it.
```

## Using the Paypal sandbox

Paypal provide a sandbox system that allows you to create and test Paypal accounts in the same way that live ones are used. Although a little complex for most users the sandbox can be useful for testing. Linklok allows the use of the sandbox by adding the following settings to linklokipn.php.

```
$UseSandbox=1;
```

Set to 0 to disable the sandbox and use the normal live Paypal system.

## Calling a URL when products are ordered

There may be applications where you need to call a certain URL when specific products are ordered. For example the call could be to an auto responder or an unlock key generator. Linklok allows such calls to be made either displaying the returned data or ignoring the data. For example if you wish to call

```
http://www.yoursite.com?data=123456&email=client@client.com
```

then add the following to the product definition.

```
...,CALLURL=http://www.yoursite.com?data=123&email=!!!email!!!
```

To activate this call for the product you need to also place the **!!!callurl!!!** template variable in the email and / or download page templates being used.

If you wish to call a URL and display the returned data then add this following to the product definition.

```
...,CALLURLDATA=http://www.yoursite.com?data=123&email=!!!email!!!
```

To activate this call for the product you need to also place the **!!!callurldata!!!** template variable in the templates being used. Within the URL you can use the general order variables (such as **!!!email!!!**) listed earlier in this manual.

## Selling photos from a Jalbum Album

Jalbum is one of the best photo Albums applications and is available for several platforms. You can find more information about Jalbum at

<http://www.jalburn.net>

Linklok Paypal has built in support that allows you to automatically sell and deliver high resolution versions of photos that you display in a Jalbum album on the internet. To do this you need to first install the skin called Chameleon which has the ability to display Paypal buttons. You can find out more about the Chameleon skin at

<http://lazaworx.com/chameleon/>

Before continuing you must setup Linklok in the default way as explained in this manual and ensure it is working correctly. The settings here will make more sense then and it is much easier to test things without using Jalbum first. Even once you add Jalbum support Linklok will still allow you to sell products using normal Paypal buttons on your site.

When selling products with Jalbum you do not have to setup each photo as a product in Linklok. Instead we will setup a default download folder, price and expiry time for all photos.

Copy your high resolution image files to the download folder you created for Linklok. The filenames must be identical to the filenames of the low res images on your Jalbum site.

Add the following settings to linklokipn.php near the other settings.

```
$Jalburn=true;
$JalburnOptionId[]="Download";
$JalburnExtension=".jpg";
$DefaultLocation="dsgjhruyrhgfetg/";
$DefaultExpiry="1440";
$DefaultPrice="USD=10.00";
```

<b>\$Jalburn</b>	This enables Jalburn support in Linklok
<b>\$JalburnOptionId[]</b>	This is the Option Id for products that are downloadable (see later)
<b>\$JalburnExtension</b>	The file extension for your photo files
<b>\$DefaultLocation</b>	The folder where your files are stored

## Chapter 5 Advanced Features

`$DefaultExpiry` The expiry time for download links in minutes  
`$DefaultPrice` The download price

In Jalbum click [Settings](#) and then [Chameleon](#). Scroll across until you see the [Selling Photos](#) setting. You need to enable the Paypal buttons, set the currency, price and your Paypal email address. The settings will look something like this.

Label	Price	Shipping	ID
Download	9.95		Download
4x6 inch print	12.95		46
8x10 inch print and download	19.95		810

In the shopping options you need to setup the types of products you sell. In this example we have Download, 4x6 inch print and 8x10 inch print. Notice that we have set the ID column for the download type to be `Download`. This needs to match the id we set in

```
$JalbumOptionId[]="Download";
```

This tells Linklok to handle this product. In this example we have also decided that when someone orders the 8x10 inch print they also get the download. To enable this just add another matching `$JalbumOptionId[]` as follows.

```
$JalbumOptionId[]="Download";  
$JalbumOptionId[]="810";
```

Now when any products with the Jalbum ID type of Download or 810 are ordered Linklok will deliver the photo file.

### Handling Paypal payment reviews

From time to time Paypal may block a buyers payment immediately when they purchase. In this case you can choose whether to still deliver the downloads or to delay delivery until Paypal have finished reviewing and approve the payment. By default Linklok will deliver as usual. To delay delivery add the following settings to `linklokipn.php` near your other settings.

```
$DelayPaymentReview="Y";  
$ReviewTemplate="emailtemplate.html";  
$ReviewTemplatePage="pagetemplate.html";
```

<code>\$DelayPaymentReview</code>	Set to "Y" to enable or "N" to disable
<code>\$ReviewTemplate</code>	Should point to an email template that is sent out when the order is placed. Once an order is approved the normal email template will be sent out.
<code>\$ReviewTemplatePage</code>	Should point to the return page template that the user sees when they return to your site after payment when a review is required.

The templates can be uploaded to the same place as `linklokipn.php`.

## PDF Watermarking

PDF Watermarking allows you to have a buyers email address, order id or IP address added as a watermark to PDF files as they are downloaded. This makes users less likely to share your work on line.

Please note this feature will only work with files stored locally on your server.

The text, size, position, color, opacity and angle of the watermark text can be adjusted and you can decide on which pages you want it to appear.

To enable PDF watermarking you first need to download the support files from the support area of our site at (you need to login)

<http://www.vibralogix.com/support/yourproducts.php>

Upload the **fpdf** folder and the **linklokpdfwatermark.php** file to the same place where you have linklokipn.php.

Now add the following settings to linklokipn.php anywhere near your other settings.

```
$pdfwatermarkmaxsize="2000000";
$pdfwatermarkcolor="FF94B0";
$pdfwatermarktext="Downloaded by !!!email!!!";
$pdfwatermarkpages="all";
$pdfwatermarkposx="15";
$pdfwatermarkxstart="left";
$pdfwatermarkposy="6";
$pdfwatermarkystart="bottom";
$pdfwatermarkopacity="100";
$pdfwatermarkfont="Arial";
$pdfwatermarkstyle="";
$pdfwatermarksize="10";
$pdfwatermarkangle="90";
require_once("linklokpdfwatermark.php");
```

To enable a PDF file to be watermarked you must set the extra product info to be **PDFWATERMARK=1** like this

```
.....yrhgfetg/prod1.pdf,0,1440,PDFWATERMARK=1";
```

By default the settings above will add **Downloaded by buyer@site.com** to the bottom of each page of the PDF file.

You can change how the watermark text appears by adjusting the settings as described below.

### `$pdfwatermarkmaxsize`

This sets the maximum file size in bytes that Linklok will watermark. The bigger the size the more resources are needed. You can experiment with this settings but 20000000 should be fine.

### `$pdfwatermarkcolor`

This is the color of the text in the CSS hex format (no # needed).

### `$pdfwatermarktext`

This is the watermark text. You can use the tags `!!!email!!!`

`!!!order_number!!!` `!!!ipaddr!!!` `!!!dateddmmyy!!!` `!!!datemmdyy!!!` or `!!!time!!!` within the text.

### `$pdfwatermarkpages`

Set the pages the watermark will appear on.

You can set this to **all**, **odd**, **even** or specify the pages. If you choose to specify pages you should set them as follows. Note using the prefix `^` will number pages from the end (as you don't always know how many pages there are). `^1` means the last page. `^2` the second to last page etc.

<code>odd</code>	all odd pages
<code>even</code>	all even pages
<code>all</code>	all pages
<code>7</code>	page 7
<code>3-</code>	pages 3 until the end
<code>-8</code>	pages 1 to 8
<code>3-7</code>	pages 3 to 7
<code>^1</code>	the last page
<code>^2-</code>	from the second to last page to the start
<code>-^3</code>	from the start until the third from last page
<code>^7-^2</code>	seven pages from the end until the second to last page

You can define multiple pages or page ranges by separating them by commas. For example

```
$pdfwatermarkpages ="8,12,odd,^4-^1";
```

would watermark all odd pages plus page 8, page 12 and the last 4 pages.

`$pdfwatermarkposx`

`$pdfwatermarkxstart`

These settings determine the x position of the text in mm from the left or right of the page

`$pdfwatermarkposy="6";`

`$pdfwatermarkystart="bottom";`

These settings determine the y position of the text in mm from the top or bottom of the page

`$pdfwatermarkopacity`

Sets the opacity percentage. 100 is fully visible and 0 is invisible.

`$pdfwatermarkfont`

Sets the font type which can be "Arial" "Courier" or "Times"

`$pdfwatermarkstyle`

This sets the font style which can be "" "B" "U" or "I"

`$pdfwatermarksize`

Sets the text size.

`$pdfwatermarkangle`

Set the angle of the text. Normally would be set to "90" but you could use "0" for vertical text.



## IP Country

If you have enabled Download Notification emails to be sent to you when a download link is clicked you can enable ipinfo to also report the country where the IP is registered. This is also useful for EU VAT records as well.

To enable IP country you first need to download the support files from the support area of our site at (you need to login)

<http://www.vibralogix.com/support/yourproducts.php>

Upload the **ipinfo** folder to the same place where you have **linklokipn.php** installed.

Add this line near your other settings in **linklokipn.php**.

```
require_once 'ipinfo/ipinfo.php';
```

If you have enabled IP locking for download links (even if set to 0) you can also then use the following variables in templates.

```
!!!ipcountrycode!!!  
!!!ipcountryname!!!  
!!!ipcontinentcode!!!  
!!!ipcontinentname!!!
```

You can download updates for the database file used for this function from <http://dev.maxmind.com/geoip/geoip2/geolite2/>. Download the binary version of GeoLite 2 and replace the file **GeoLite2-Country.mmdb** in the **ipinfo** folder on your server. This function will also work with the paid GeolP2 database which is more accurate.

**This product includes GeoLite2 data created by MaxMind, available from <http://www.maxmind.com>.**

## Sending emails using PHPmailer

PHPmailer is a widely used class for sending emails and is often more reliable than the default PHP mail() function. Linklok supports sending email via PHPmailer and can be setup as follows.

1) Download the PHPmailer support files from the support area of our site at (you need to login)

<https://www.vibralogix.com/support/yourproducts.php>

Upload the files in the phpmailer zip to the same place where you have linklokpn.php installed.

2) Add the following settings to linklokpn.php near your other settings.

```
$UsePHPmailer=1;
$emailUsername="USERNAME";
$emailPassword="PASSWORD";
$emailServer="SMTPSERVER";
$emailPort=PORT;
$emailAuth=1;
$emailServerSecurity="";
```

The setting will be the same as you would use to setup the SMTP server in an email client.

<a href="#">\$UsePHPmailer</a>	Set to 1 to use PHPMailer or 0 to disable
<a href="#">\$EmailUsername</a>	The username. Usually your email address
<a href="#">\$EmailPassword</a>	The SMTP server password
<a href="#">\$EmailServer</a>	The SMTP server such as <a href="#">mail.yoursite.com</a>
<a href="#">\$EmailPort</a>	The port to use such as 25
<a href="#">\$EmailAuth</a>	Normally set to 1 for authentication. Some servers may not need authentication and can be set to 0.
<a href="#">\$EmailServerSecurity</a>	The security protocol. This can be "", "ssl" or "tls"

### Important

You should set the \$SellerEmail to the email address of account being used by PHPmailer to send the emails. Using a different email address may cause some emails to get blocked by filters.

## Sending emails using Sendgrid

Many servers (especially shared hosting servers) are blacklisted by some email services meaning that emails get delivered flagged as spam. To improve deliverability we recommend using Sendgrid

<http://www.sendgrid.com>

Linklok can connect to your Sendgrid account to send emails via their servers. You can also use their dashboard to check that emails are received and opened.

At the time of writing Sendgrid have a free plan allowing up to 12,000 emails per month to be sent which is sufficient for many users.

To use Sendgrid with Linklok you need to get your Sendgrid API Key and set that in Linklok as follows.

- 1) Login to Sendgrid and click **Settings** and then **API Key** in the menu.
- 2) Click the **Create API Key** button and give it a name (anything is ok such as Mail Send).
- 3) In the section called **Mail Send** click **Full Access**. Other settings can remain as they are.

Add New General API Key

Cancel

Save

---

API keys are a great way for you to manage your permissions around how your account uses our API. Greater security and flexibility can be leveraged through the use of our API keys.

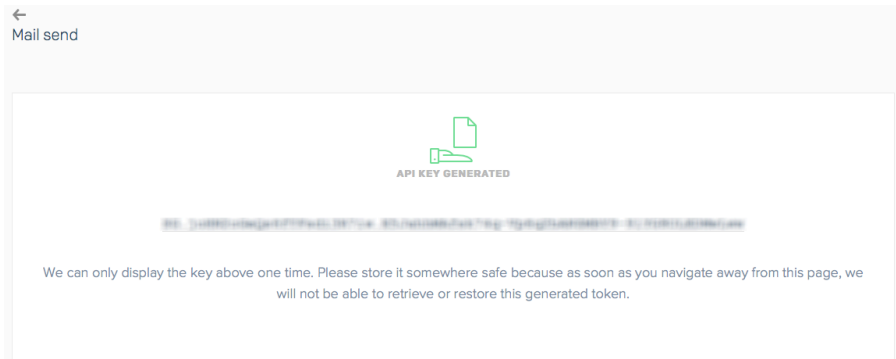
**NAME OF THIS KEY \***

Mail send

	NO ACCESS	READ ACCESS	FULL ACCESS
Mail Send	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
Mail Send	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

back

4) Click Save and you will then see the API which you should copy to the clipboard.



5) In linklokipn.php add these settings (anywhere near your other settings is ok)

```
$SendgridAPI = 'API KEY HERE';  
require ("sendgrid-php/sendgrid-php.php");
```

6) Finally you need to download the Sendgrid support files from the support area of our site at (you need to login)

<http://www.vibralogix.com/support/yourproducts.php>

Upload the sendgrid-php folder to the same place where you have linklokipn.php installed.

## Chapter 6 Support

Hopefully if you have followed this manual carefully everything will be working fine. However sometimes things don't go quite so smoothly so if you have any questions or problems then please check the FAQ on the support page or contact us.

Support and updates for Linklok Paypal are free of charge for one year after purchase. Shortly after purchase you should receive a username and password that provide you with access to the latest downloads, FAQ and other resources.

Support area: <http://www.vibralogix.com/support/>