



## Developer Starter Guide

Version 1.1.3



hipay **mobile**  
micropayment solutions

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# Introduction

## Description

In this document, we outline several different approaches to integrating HiPay Mobile payments on your website.

## Parts of an HiPay Mobile integration

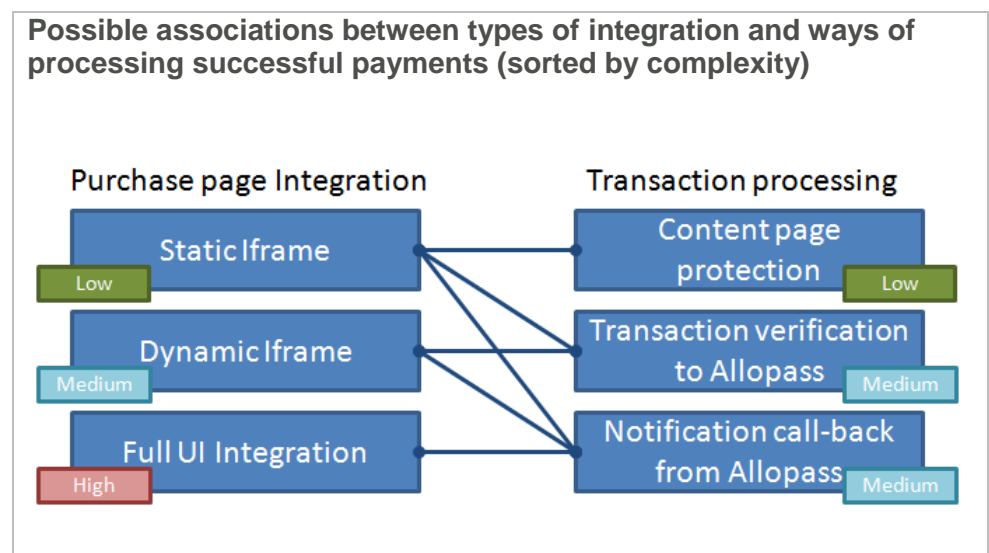
There are two main parts to an HiPay Mobile integration:

- The Purchase Page: The web interface by which your end-users pay you
- Transaction processing of a successful payment: The confirmation that you receive from HiPay Mobile that a purchase transaction has succeeded.

You have a lot of flexibility in deciding how to integrate HiPay Mobile.

## Diagram

There are three different ways to integrate HiPay Mobile into your purchase page, and three different ways to process received payments.



## Finding

Making the best choice of integration for your business will highly impact the success of your payment strategy.

## Recommendation

**It is strongly recommended to read this document before diving into the details of the HiPay Mobile API.**

## Aim of the document

Here you will learn how to make a Static iframe and Full UI integration, to know how to integrate a dynamic iframe using our SDK and the advanced HiPay Mobile API please refer to the **HiPay Mobile API Developer Reference Manual**.

# Static Payment iFrame

## Overview

### Features

- The easiest way to offer any or all payment methods, with no coding effort
- Supports a wide number of payment methods in an integrated user experience
- End-users are only presented with the payment methods available in their country

### Prerequisites

- Ability to edit your website's HTML source code

### User Experience

The screenshot shows a payment page titled "Payer pour TEST DEMO COMMERCIAL" with a " Paiement sécurisé " badge. It features a two-step process: Step 1 involves sending an SMS to receive an access code, with a "France" country selector and a "Choose your country" link. The code to be sent is "CODE au 81051 \*". Step 2 involves entering the received code. The page lists supported mobile operators (orange, SFR, free, Virginie mobile) and payment methods (SMS, Audiotel, Internet+ Mobile, Carte bancaire, Hipay, Internet+ Box) in a bottom navigation bar. A "Service client : contactez nous" link is also present.

Image 1: Example of an HiPay Mobile purchase iframe

# Getting started, a step-by-step walkthrough

## Merchant account registration

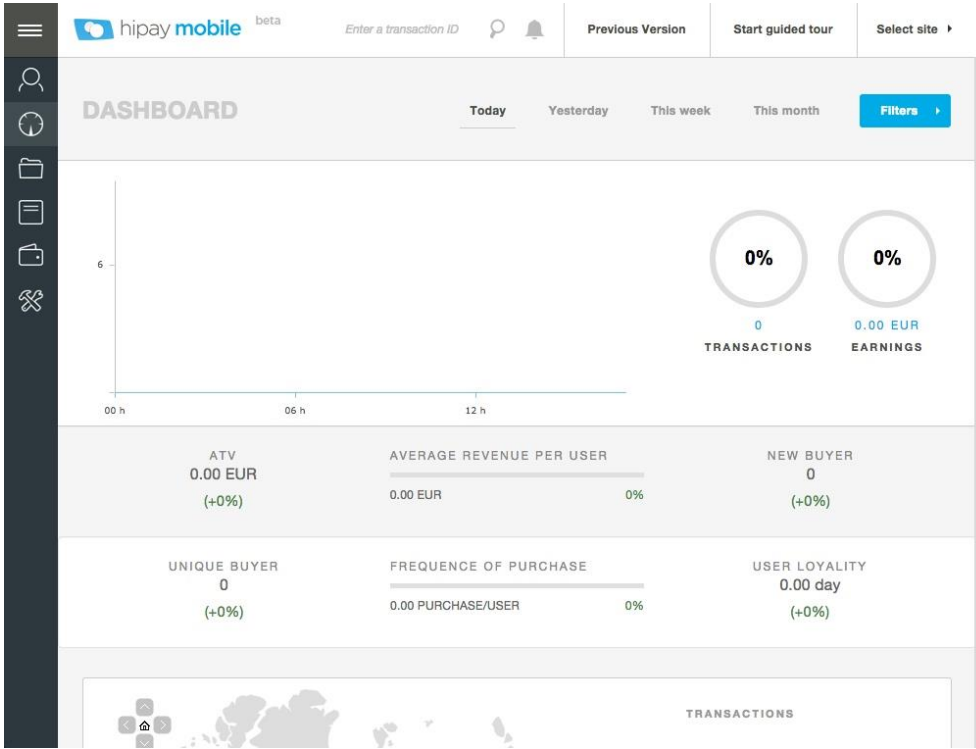
### Introduction

In order to use HiPay Mobile, you will need to set up an HiPay Mobile account.

It's a simple process which can be completed online.

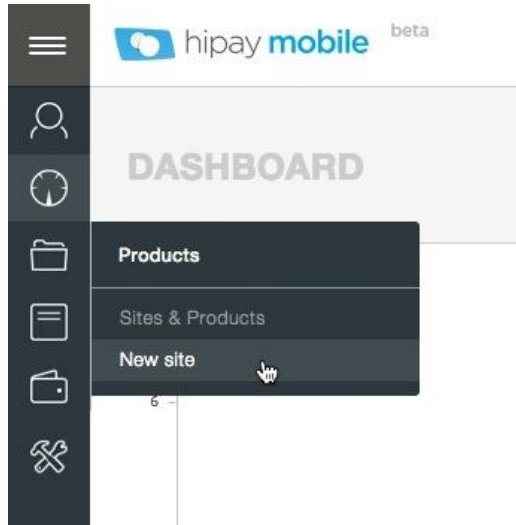
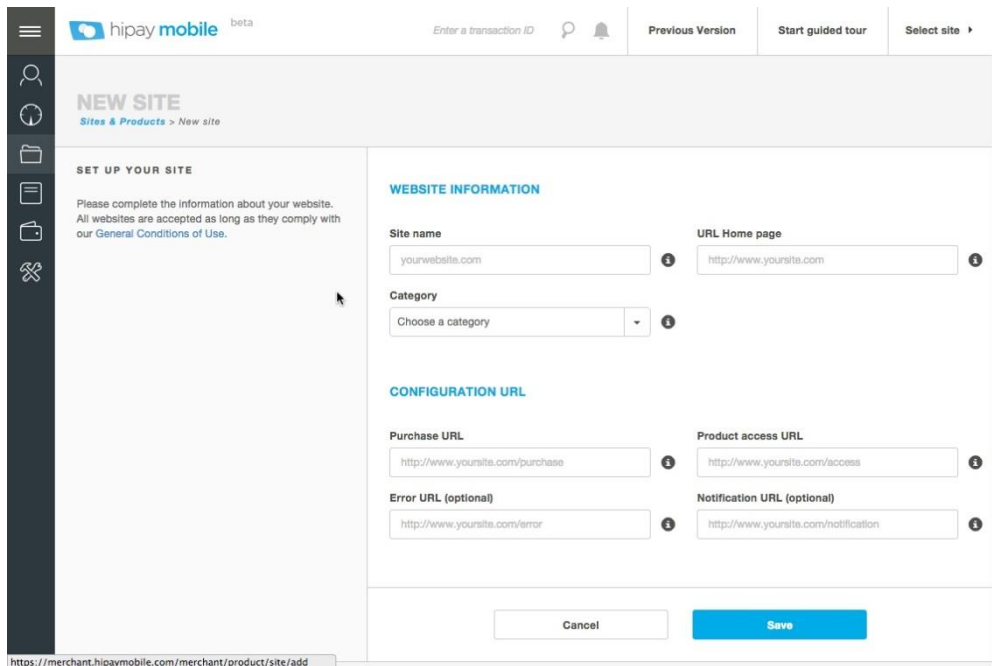
### Procedure

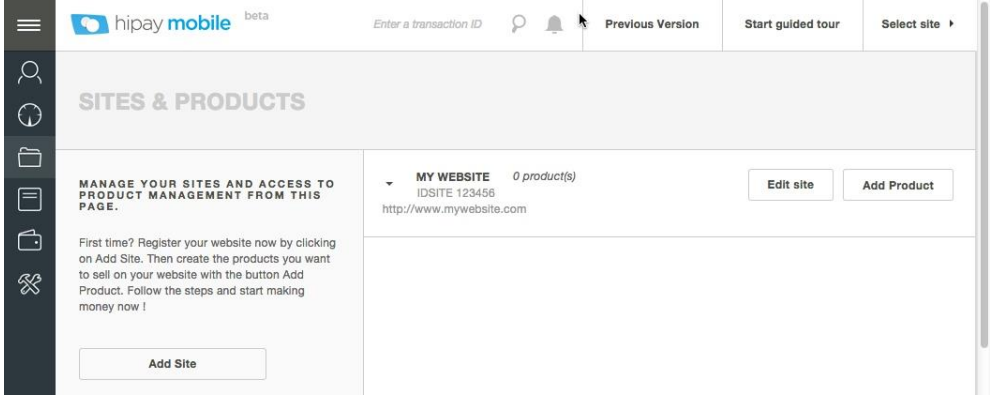
To set up an HiPay Mobile account, proceed as follow:

Steps	Action
1	Go to <a href="http://www.hipaymobile.com">www.hipaymobile.com</a> ,
2	Click "START NOW", and follow the instructions.
3	Once you've set up your HiPay Mobile account, go to <a href="https://merchant.hipaymobile.com">https://merchant.hipaymobile.com</a> and login.
4	<p>Once you're logged in, you'll see the "Dashboard" screen below.</p> 

## Define your site

### Procedure (continuation)

Steps	Action
5	<p>Go to “Products -&gt; New site” to define your site</p>  <p>The screenshot shows the HiPay Mobile dashboard. On the left is a dark sidebar with icons for menu, user, clock, folder, list, document, and tools. The main area has a 'DASHBOARD' header. Below it, a 'Products' menu is open, showing 'Products', 'Sites &amp; Products', and 'New site'. A mouse cursor is pointing at 'New site'. A small number '6' is written below the 'New site' option.</p>
6	<p>Fill all required information and click “Save”.</p>  <p>The screenshot shows the 'NEW SITE' form. The left sidebar is the same as in step 5. The main area has a 'NEW SITE' header with a breadcrumb 'Sites &amp; Products &gt; New site'. Below the header, there's a 'SET UP YOUR SITE' section with instructions: 'Please complete the information about your website. All websites are accepted as long as they comply with our General Conditions of Use.' To the right is the 'WEBSITE INFORMATION' section with fields for 'Site name' (filled with 'yourwebsite.com'), 'URL Home page' (filled with 'http://www.yoursite.com'), 'Category' (a dropdown menu with 'Choose a category'), 'CONFIGURATION URL' section with 'Purchase URL' (filled with 'http://www.yoursite.com/purchase'), 'Product access URL' (filled with 'http://www.yoursite.com/access'), 'Error URL (optional)' (filled with 'http://www.yoursite.com/error'), and 'Notification URL (optional)' (filled with 'http://www.yoursite.com/notification'). At the bottom are 'Cancel' and 'Save' buttons. A URL bar at the bottom shows 'https://merchant.hipaymobile.com/merchant/product/site/add'.</p> <p>→ The “Site” information is used to distinguish between multiple websites in your HiPay Mobile account.</p>

Steps	Action
7	<p><b>Note:</b> The IDSITE is under your site name on the "Sites &amp; Products" page.</p> <p>You will need it later during your integration.</p> 

## URL Settings

### Description

HiPay Mobile needs to be able to redirect to some of your pages for events such as payment success, payment errors or to send call-back notifications. If you set your URLs in your site configuration they will be pre-filled by default on all new product created inside the site.

### URL list

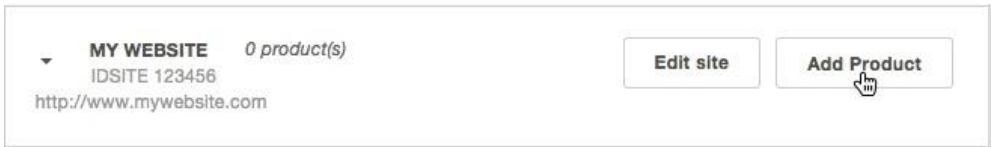
URL	Description
<b>Purchase URL</b>	The purchase page where you intend to embed the HiPay Mobile iframe or display a payment button.
<b>Product access URL</b>	HiPay Mobile will redirect to this page after a successful purchase.
<b>Error URL</b>	HiPay Mobile will redirect to this page when an error occurs. If you leave this blank, the default HiPay Mobile error page will be used.
<b>Notification URL</b>	HiPay Mobile will call this URL upon successful purchase (see "Call HiPay Mobile from the Product Access URL to verify transactions" section)

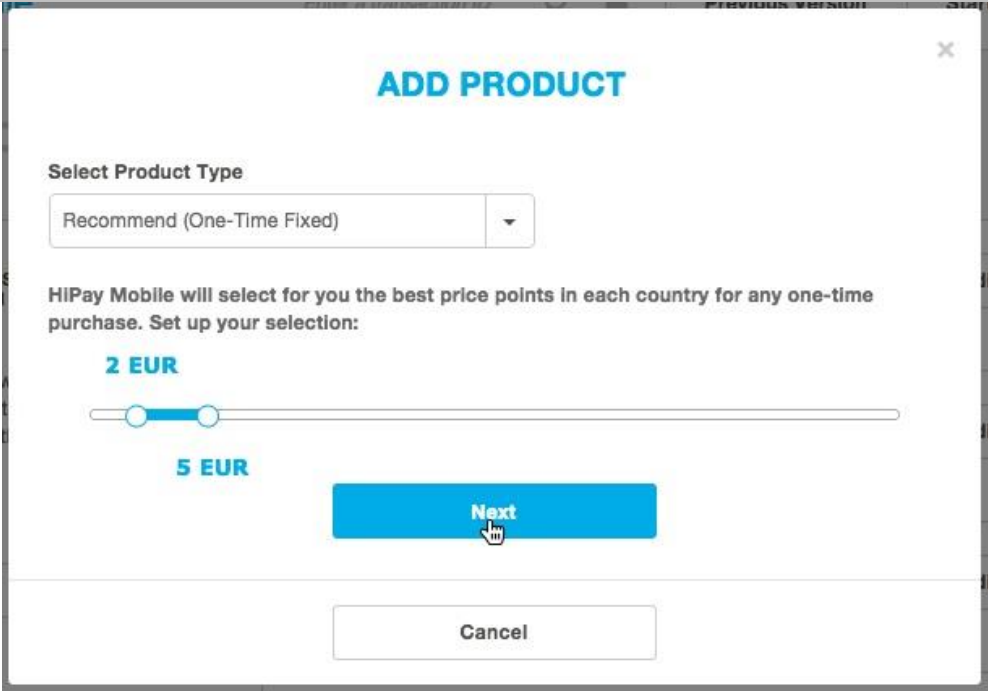
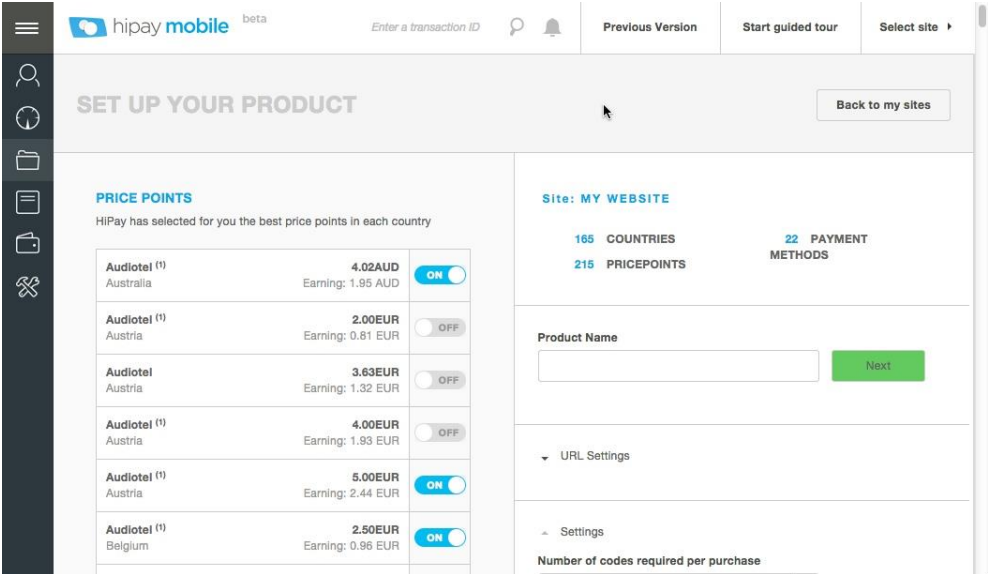


# Set-up products on the HiPay Mobile merchant back-office

## Add a product

**Procedure** To set up products on HiPay Mobile merchant back office, proceed follow:

Steps	Action
1	<p>From the "Sites &amp; Products" page, click on "Add Product" on the right of your site information line.</p> 
2	<p>Select the product type based on the following table:</p> <ul style="list-style-type: none"><li>• <b>Recommend (One-Time Fixed):</b> HiPay Mobile will select for you the best price points in each country for any one-time purchase based on a price range.</li><li>• <b>Manual (One-Time Fixed):</b> You will be able to choose among a wide range of different price points and filter them for any one-time purchase.</li><li>• <b>One-Time Dynamic:</b> Fix by yourself the price you want to display to your customers. HiPay Mobile provides a wide choice of payment solutions in each country for any one-time purchase (except Premium Text Message and IVR).</li><li>• <b>Subscription:</b> Set up the amount and the frequency of billings made by your customers. All our subscriptions are automatically renewed. Available for Mobile Payment and ISP Billing.</li><li>• <b>Old Subscription:</b> Decide the frequency and the amount charged to your customers by using credit card and prepaid card. You will be redirected to the previous version of the interface.</li><li>• <b>Virtual Currency:</b> Create your virtual currency with our payment scripts. Enter the exchange rate of your virtual currency and customise the script with your own style. You will be redirected to the previous version of the interface.</li><li>• <b>Pay-Per-Minute:</b> Your customer is on the phone with a vocal server for the whole duration of his call. Once he hangs up, he has no longer access to content. You will be redirected to the previous version of the interface.</li></ul>

Steps	Action
	
3	<p>Choose the desired price points and fill your product information:</p>  <p><b>Note:</b> URL Settings will be pre-filled if you have already specified them in your site configuration.</p>

## Geographies, payment methods, prices

### Description

HiPay Mobile is designed to ease the pricing of your products in multiple geographies. When you set up a product on the HiPay Mobile platform, you choose the payment methods you want and set the prices in each country.

The end user in any given country will automatically be presented (using


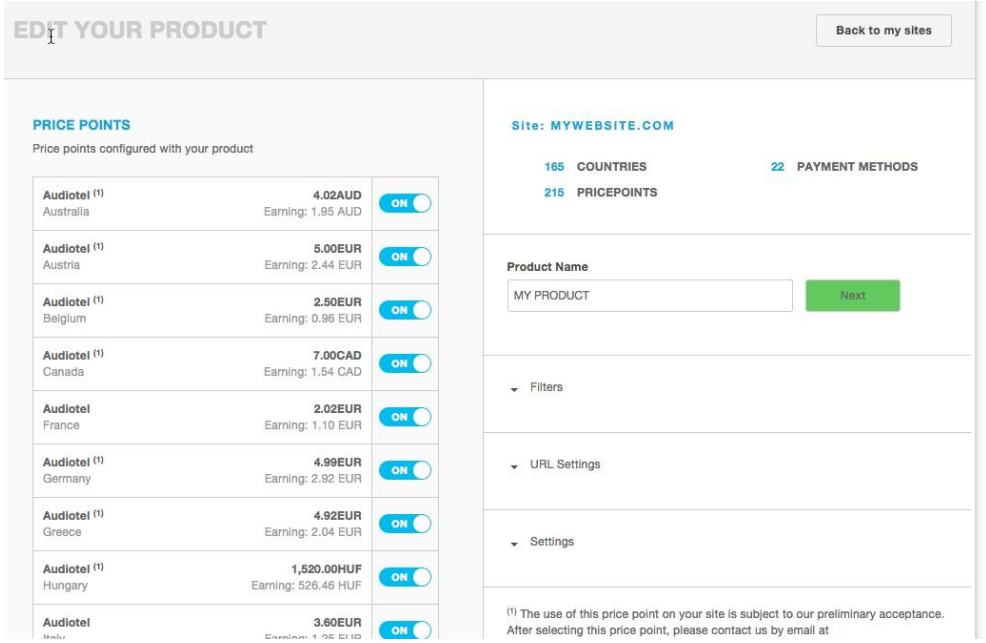
IP-based geolocation) with those payment methods at the prices you have selected.

PRICE POINTS		
HiPay has selected for you the best price points in each country		
<b>Audiotel (1)</b> Australia	<b>4.02AUD</b> Earning: 1.95 AUD	<input checked="" type="checkbox"/>
<b>Audiotel (1)</b> Austria	<b>2.00EUR</b> Earning: 0.81 EUR	<input type="checkbox"/>
<b>Audiotel</b> Austria	<b>3.63EUR</b> Earning: 1.32 EUR	<input type="checkbox"/>
<b>Audiotel (1)</b> Austria	<b>4.00EUR</b> Earning: 1.93 EUR	<input type="checkbox"/>
<b>Audiotel (1)</b> Austria	<b>5.00EUR</b> Earning: 2.44 EUR	<input checked="" type="checkbox"/>
<b>Audiotel (1)</b> Belgium	<b>2.50EUR</b> Earning: 0.96 EUR	<input checked="" type="checkbox"/>
<b>Audiotel (1)</b> Canada	<b>3.00CAD</b> Earning: 0.66 CAD	<input type="checkbox"/>
<b>Audiotel (1)</b> Canada	<b>5.00CAD</b> Earning: 0.90 CAD	<input type="checkbox"/>
<b>Audiotel (1)</b>	<b>7.00CAD</b>	<input checked="" type="checkbox"/>

## Edit a product

**Procedure** To edit products on HiPay Mobile merchant back office, proceed as follow:

Steps	Action
1	From the "Sites & Products" screen, click on your site name and then on "Edit product" at the right of your product.

Steps	Action
	
2	<p>Select the desired payment methods and price-points in the list on your left, change product name, filter price points or change URL Settings.</p> 
3	Click "Next".

## Note



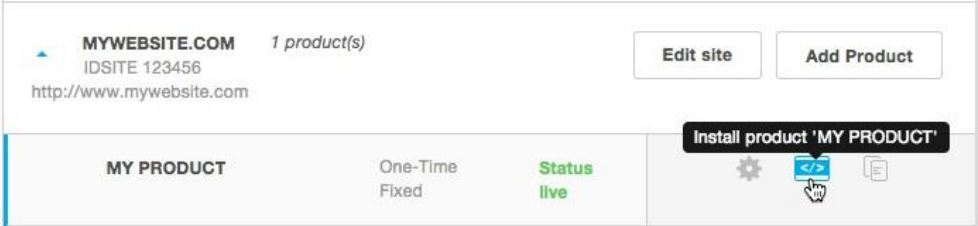
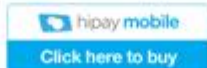
As explained on the website, some payment methods/geographies may only be available on request after our Customer Support team confirms that your service complies with the relevant Terms of Use. After selecting this price point, please contact us by email at [contact.mobile@hipay.com](mailto:contact.mobile@hipay.com) so that we can activate it on your site.

## Install your product

### Procedure

To obtain the html code to install your product, proceed as follow:

Steps	Action
1	From the "Sites & Products" screen, click on your site name and then on "Install product" at the right of your product.

Steps	Action
	
2	<p>Choose between</p> <ul style="list-style-type: none"> <li>The Checkout script URL if you want to call directly the payment page.</li> <li>The iframe script if you want to show the HiPay Mobile payment script in an internal iframe in your page.</li> <li>The ready-made html code for a payment button (<i>Checkout button</i>) that pops-up a modal box.</li> </ul> <p><b>CHECKOUT SCRIPT URL</b></p> <pre>https://payment.allopass.com/buy/buy.apu?ids=12345&amp;idd=12345</pre> <p><b>IFRAME SCRIPT FORMAT</b></p> <pre>&lt;!-- Begin Allopass Checkout Code --&gt; &lt;iframe width="550" height="480" frameborder="0" marginheight="0" marginwidth="0" scrolling="no" src="https://payment.allopass.com/buy/buy.apu?ids=12345&amp;idd=12345"&gt; &lt;/iframe&gt; &lt;!-- Begin Allopass Checkout Code --&gt;</pre> <p><b>CHECKOUT BUTTON</b></p> <pre>&lt;!-- Begin Allopass Checkout Button Code --&gt; &lt;script type="text/javascript" src="https://payment.allopass.com/buy/checkout.apu? ids=12345&amp;idd=12345&amp;lang=en"&gt;&lt;/script&gt;  &lt;noscript&gt; &lt;a href="https://payment.allopass.com/buy/buy.apu?ids=12345&amp;idd=12345" style="border:0"&gt;</pre> 

## Payment parameters

The payment URL accepts the following GET parameters

Status	Parameter	Description	Example
<b>mandatory</b>	ids	Your site ID as set up in your HiPay Mobile merchant account	12345

Status	Parameter	Description	Example
<b>mandatory</b>	idd	Your product ID as set up in your HiPay Mobile merchant account	67890
<b>optional</b>	data	Custom merchant data.	MyClientId
<b>optional</b>	merchant_transaction_id	The transaction ID used by the merchant.	IN1237123
<b>optional</b>	country	ISO country code so that you can set the iframe to a specific country (ignoring geolocation).	FR
<b>optional</b>	carousel	Can be set to row or col depending on whether you want to show the list of payment methods in rows or in columns. Default is row.	row
<b>optional</b>	forward_target	Window target for the forward to the product page at the end of the transaction.  Can be set to parent or current	parent
<b>optional</b>	bundle_purchase	Hide the drop-down menu to buy bundle of codes, if 0 the script will always let the user buy <i>only</i> one code at a time.	0
<b>optional</b>	access_form	Hide the validate code form in the HiPay Mobile payment window. If used, you must create your own validate code form in your site.  Refer to Method " <i>POST onetime/validate-codes</i> "	0
<b>optional</b>	button_url	You can enter your own image for your payment button, only specifies the complete URL to the image in this field.	http://www.mysite.com/mypaymentbutton.png

#### Note



HiPay Mobile handles availability of payment methods in the end-user's country of origin (IP geolocation) and provides an integrated UI accordingly.

# Full UI integration

## Overview

<b>Introduction</b>	The fully integrated UI approach is based on access code redemption and currently supports only SMS and Home phone billing.
<b>Features</b>	<ul style="list-style-type: none"><li>• Full control over the UI (no iframe)</li><li>• Moves the purchase experience away from the browser (e.g. in-game payments)</li></ul>
<b>Prerequisites</b>	<ul style="list-style-type: none"><li>• Server-side coding with ability to make GET and POST http calls (for example, PHP with curl extension)</li><li>• Available for SMS and Home phone payment methods only</li></ul>

## Getting started

<b>Introduction</b>	The set-up for this integration is the same as for the static iframe integration.
<b>Procedure</b>	Namely, you need to: <ul style="list-style-type: none"><li>• open an HiPay Mobile merchant account and</li><li>• create your products.</li></ul>
<b>Reference</b>	Please refer to the section <i>Static payment iframe</i> for detailed information about these items.

## Building the purchase experience

<b>Introduction</b>	The end-user is presented with a purchase page containing the following information: <ul style="list-style-type: none"><li>• Product description and price</li><li>• Phone billing instructions (SMS and/or Home phone). An <i>Access Code</i> is provided <b>offline</b> by HiPay Mobile on successful purchase</li><li>• A text field for Access Code redemption</li></ul>
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Below are the steps to achieving this full integration:

## Retrieve the billing information applicable to the end-user

<b>Question</b>	How may I bill my end-user, based on IP geolocation and based on my target price?
<b>Method used</b>	<p>As SMS and Home phone billing are based on static price points, this is done using the <i>onetime/pricing</i> API method.</p> <ul style="list-style-type: none"><li>• This API outputs the list of prices available to bill the end-user.</li></ul> <p>It is up to you to make an automatic price point selection.</p> <p>This usually requires that the website operates a database of products with relevant pricing information.</p> <ul style="list-style-type: none"><li>• The API also outputs the end-user instructions, in compliance with requirements of local authorities, in each of the markets that we cover.</li></ul>
<b>Recommendation</b>	<p><b>For compliance reasons, it is mandatory that you display these end-user instructions on your payment page.</b></p> <p><b>Failure to do so may result in service interruption. These instructions may be updated without prior notice.</b></p>
<b>Conclusion</b>	These instructions allow the end-user to buy an Access Code offline over the phone, making this integration especially suitable for in-game purchases.

## Access Code redemption

<b>Description</b>	End-users need to be able to redeem their Access Code on your website.
<b>Process</b>	<p>The HiPay Mobile API enables you to validate Access Codes with the <i>onetime/validate-codes</i> method.</p> <p>This API method outputs the status of the code.</p> <p>When the Access Code is validated, the merchant account is credited and the product can be safely delivered to the end-user.</p>
<b>Reference</b>	To learn more about these API methods, please refer to the <b>API Basic implementation</b> section.



# Process Payments received

## Overview

### Introduction

The HiPay Mobile platform offers 3 different ways of processing payments received.

## Unlock your protected content

### Features

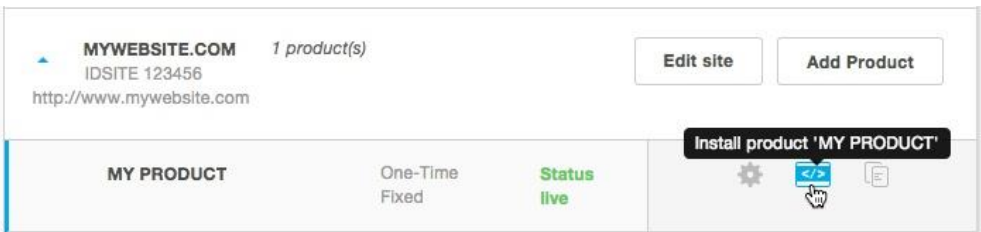
- Upon payment success, users are redirected to a JavaScript-protected URL that they were previously unable to access.
- Suitable for content monetization only.

### Benefits

- No coding involved. Fast and easy.
- Casual protection.
- Access to content is granted instantaneously after purchase.

### Procedure

To obtain securisation html code, proceed as follow:

Steps	Action
1	<p>You define the Product Access URL when you create a Product in your HiPay Mobile account.</p> <p>This is where your protected content is located.</p> <p><i>Please refer to the URL Settings paragraph in the "Getting started, a step-by-step walkthrough" section.</i></p>
2	<p>To limit the access of this page to paying users, add some JavaScript to your page and to any linked page that needs to be protected.</p>
3	<p>From the "Sites &amp; Products" screen, click on your site name and then on "Install product" at the right of your product.</p> 
5	<p>The script that you need to use is located in <i>Step 2: Securing your product page</i>.</p> <p>Copy and paste it to your html page(s) right after the &lt;head&gt; tag.</p>

Steps	Action
	<p><b>SECURE SCRIPT FORMAT</b></p> <pre> &lt;noscript&gt;   &lt;meta http-equiv="Refresh" content="0;url=https://payment.allopass.com/error.apu? ids=123456&amp;id=987654"&gt; &lt;/noscript&gt;  &lt;script type="text/javascript" src="https://payment.allopass.com/api/secure.apu? </pre>

## Call HiPay Mobile from the Product Access URL to verify transactions

<b>Features</b>	<ul style="list-style-type: none"> <li>Paying users are redirected to the Access URL where you call HiPay Mobile to verify the transaction</li> </ul>
<b>Benefits</b>	<ul style="list-style-type: none"> <li>Payment is credited synchronously. You can deliver your product/service instantaneously</li> <li>Robust multi-purpose integration</li> </ul>
<b>Step-by-step walkthrough</b>	<p>After a successful purchase, the end-user is redirected to a <i>Product Access URL</i> confirming proper payment.</p>

HiPay Mobile passes to that page some GET parameters described as follows:

Parameter	Description
<b>data</b>	Custom data that was initially passed to the <i>payment iframe</i> .
<b>code</b>	HiPay Mobile access code.
<b>trxid</b>	HiPay Mobile ID of the transaction
<b>merchant_transaction_id</b>	Optional merchant transaction ID initially passed to the <i>payment iframe</i> .
<b>codes</b>	same as code [ <i>deprecated and only intended for backward compatibility</i> ]
<b>DATAS</b>	same as data [ <i>deprecated and only intended for backward compatibility</i> ]

With this information you can call the transaction API method and obtain detailed information about the transaction, please refer to the HiPay Mobile - API Reference documentation for more information.

# Receive a call from HiPay Mobile to your Notification URL

<b>Features</b>	<ul style="list-style-type: none"><li>• HiPay Mobile sends a call back to a Notification URL set-up by the merchant to process transaction details</li></ul>
<b>Benefits</b>	<ul style="list-style-type: none"><li>• Payment is credited asynchronously. You can deliver your product/service in the background without disrupting the user experience.</li><li>• Robust multi-purpose integration</li></ul>
<b>Step-by-step walkthrough</b>	<p>If your products are managed on the HiPay Mobile merchant account, the notification URL is defined when you create a Product in the HiPay Mobile merchant account. Please refer to the <i>Payment URLs</i> paragraph in the <i>Static payment iframe</i> section.</p> <p>After a successful purchase, HiPay Mobile immediately calls your Notification URL in the background with comprehensive information about the payment passed through GET parameters.</p> <p>A signature verification mechanism ensures that the notification comes from the HiPay Mobile server. The list of parameters and the signature validation process are documented in the <b>Signature Verification</b> section.</p>

## Response

The following table lists the parameters returned to the merchant URL.

Parameter	Description	Example
<b>action</b>	Describes the type of event for which we notify.	payment-confirm Please refer to actions table below.
<b>test</b>	Allows merchant to identify test transactions.	<i>true</i> or <i>false</i>
<b>transaction_id</b>	Unique ID for the HiPay Mobile transaction.	0c92578d-3143-4bd8-aeae-72f2455e2499
<b>status</b>	Status of the transaction.	0 Please refer to status table below.
<b>status_description</b>	Description of the status of the transaction.	Success
<b>access_type</b>	Product type	onetime

Parameter	Description	Example
<b>date</b>	Transaction date	2010-12-15T16:09:57+00:00
<b>code</b>	HiPay Mobile code used	XXXXXXXXX
<b>pricepoint_id</b>	Pricepoint Id used	206
<b>type</b>	Payment method	premium-sms
<b>data</b>	Custom merchant data provided when making payment request.	Widget592
<b>merchant_transaction_id</b>	The transaction ID used by the merchant.	IN1237123
<b>amount</b>	Amount of the transaction. The <i>currency</i> is determined by the price point identifier.	10.00
<b>paid</b>	Amount actually paid by the customer in <i>currency</i> .	10.00
<b>currency</b>	Local currency for the transaction.	EUR
<b>payout_amount</b>	Amount of the merchant payout in payout currency	6.18
<b>payout_currency</b>	Payout currency for the transaction	EUR
<b>reference_currency</b>	Base currency (EUR is default).	USD
<b>reference_amount</b>	Amount of the transaction in base currency	14.79
<b>reference_paid</b>	Amount actually paid by the customer in base currency	14.79
<b>reference_payout</b>	Amount of the merchant payout in base currency	9.14
<b>customer_country</b>	Country code of the customer.  This two-letter code complies with ISO-3166.	FR
<b>site_id</b>	Identifier of the merchant site.	123456

Parameter	Description	Example
<b>product_name</b>	The name of the product where the code was used	My New Product
<b>carrier</b>	Optional: Carrier information if available	Orange
<b>msisdn</b>	Optional: MSISDN information if available	0612345678
<b>code_creation_date</b>	Optional: Code creation date if available.	2013-07-18T13:05:38+00:00
<b>api_key</b>	Merchant API key	cf3b9a6b7b309c06aa53f5527c96e67
<b>api_ts</b>	UNIX Timestamp (GMT)	1258691527
<b>api_hash</b>	Hash function to use for signing: <i>md5</i> or <i>sha1</i> . (SHA-1 is default)	sha1 md5
<b>api_sig</b>	Signature	fb1bab50fd2c3751dab07b35...

### Example

#### URL notification Example

```
http://your-domain.com/hipay_notification.php?action=payment-confirm&test=true&transaction_id=2ae1116c-57b2-4707-9d23-7aba0211050b&status=0&status_description=success&access_type=onetime-dynamic&date=2010-12-15T16%3A09%3A57%2B00%3A00&code=XXXXXX&pricepoint_id=206&data=&merchant_transaction_id=&amount=3&paid=0&currency=EUR&payout_amount=0&payout_currency=EUR&reference_currency=EUR&reference_amount=3&reference_paid=0&reference_payout=0&customer_country=IL&site_id=127042&api_key=9696ba35ebb3dc6c11c964c269f262a6&api_ts=1292429411&api_hash=md5&api_sig=8217c0e1bb35eb6a51df5a5b150b1d0f
```

### Action

Code	Description
payment-confirm	Success transaction
payment-renewal	Subscription success renewal
payment-error	Payment error
payment-chargeback	Chargeback on payment
subscription-cancellation	Subscription cancellation

### Status codes

Code	Description	Example
------	-------------	---------

0	Success	Payment accepted
1	Error	Insufficient funds
5	Charged back transaction	Chargebacked

# API Basic implementation

## Overview

<b>Introduction</b>	HiPay Mobile provides access to key features of its payment engine through an API or Web Service.
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## What is an API?

<b>Description</b>	An API (Application Programming Interface) is a library of functions or procedures to develop applications.
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## Who may use this API?

<b>Description</b>	This API is opened to all merchants who wish to dynamically integrate the HiPay Mobile payment solution in their sites or applications.
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This document is specifically aimed to developers.

## Knowledge and skills

The HiPay Mobile API requires that the user is familiar with the following:

- Basic understanding of Web Services (<http://www.w3schools.com/webservices>),
- Manipulating an XML document (<http://www.w3schools.com/xml>)
- Mastery of a programming language allowing the use of Web Services.

### Note



To learn more about these API methods, or for an advanced implementation, please refer to the **HiPay Mobile API Developer Reference Manual**.

## Method "GET onetime/pricing"

<b>Description</b>	Returns the list of static price points available for a product or a website in XML format.
<b>Goal of this method</b>	<p>This method is used to obtain the list of price points supported by the HiPay Mobile API, each price point being set for a payment method, a country and a user price.</p> <p>It returns a list of supported countries and detailed information for each available price point.</p>
<b>URL</b>	<a href="https://payment.allopass.com/api/onetime/pricing.apu">https://payment.allopass.com/api/onetime/pricing.apu</a>
<b>HTTP Method</b>	GET

#### Parameters

Status	Parameter	Type	Description
<b>mandatory</b>	site_id	integer	Identifier of the merchant site.
<b>optional</b>	product_id	integer	Product identifier (for one-shot micropayment).
<b>optional</b>	country	string	Filters the list of price points by country (expecting ISO-3166-compliant two-letter country codes).
<b>optional</b>	type	string[]	Filters the list of price points by payment type. For a list of payment types, see Appendix 1 "Payment types"
<b>optional</b>	customer_ip	inet	If the customer IP address is specified, the country of the customer is identified via geolocation.
<b>optional</b>	only4ip	boolean	Geolocates the <i>customer_ip</i> and filters the list of price points for the identified country.
<b>optional</b>	reference_currency	string	Base currency (EUR is default).

#### Example request

##### Request URL Example

```
https://payment.allopass.com/api/onetime/pricing.apu?site_id=123456&product_id=654321
```

## Response

Parameter	Description	Example
<b>creation_date</b>	Date of server reply (GMT).	2009-08-30T12:04:21+00:00
<b>customer_ip</b>	If the customer IP address is specified, the country of the customer is identified via geolocation.	83.167.62.196
<b>customer_country</b>	Country code of the customer.  The country is automatically detected from the IP address of the customer (if provided). This two-letter code complies with ISO-3166.	US
<b>countries</b>	List of supported countries.	
<b>markets</b>	List of price points available per country.	

## Sample response

### Code Example

```
<?xml version="1.0" encoding="utf-8" ?>
<response xmlns="https://api.allopass.com/rest"code="0" message="OK">
  <creation_date timestamp="1251633861" date="2009-08-30T12:04:21+00:00" />
  <customer_ip>83.167.62.196</customer_ip>
  <customer_country>FR</customer_country>
  <countries>
    <region name="Europe">
      <country code="FR" name="France"/>
    </region>
    <region name="NorthAmerica">
      <country code="US" name="UnitedStates"/>
    </region>
  </countries>
  <markets>
    <market country_code="FR" country="France">
      <pricepoint id="2"code="FR" type="premium-calling">
        <price currency="EUR" amount="1.80"
          exchange="1.0000000" reference_currency="EUR" reference_amount="1.80"/>
        <buy_url>
          <![CDATA[https://payment.allopass.com/acte/audiotel/purchase.apu?ids=123456&idd=654321]]>
        </buy_url>
        <phone_numbers>
          <phone_number value="08 99 19 01 13">
            <description>
              <![CDATA[
                Pour recevoir votre code, appelez le :<br />
                <span class="phone-number">08 99 19 01 13</span>
              ]]>
            </description>
          </phone_number>
        </phone_numbers>
        <description>
          <![CDATA[
            La communication vous sera facturée :<br /> 1,34€/appel + 0,34€/min.
            depuis
            une ligne fixe.<br />Obtention du code en < 1,30 min. - coût : 1,80€
          ]]>
        </description>
      </pricepoint>
    </market>
    <market country_code="US" country="UnitedStates">
      <pricepoint id="166" code="US" type="premium-sms">
        <price currency="USD" amount="3.99"
```



```

exchange="1.4788000" reference_currency="EUR"reference_amount="2.70"/>
<buy_url>
<![CDATA[https://payment.allopass.com/acte/sms/purchase.apu?ids=123456&idd=65432
1]]>
</buy_url>
<keywords>
<keyword name="ALL" shortcode="44536" operators="*"number_billed_messages="1">
<description>
<![CDATA[
    To receive an access code<br />on your mobile phone, send<br />
<span class="keyword">ALL</span> to <span class="shortcode">44536</span>
]]>
</description>
</keyword>
</keywords>
<description>
<![CDATA[
    $ 3.99/SMS - Standard text messaging rates apply<br />
    Info at 1-877-524-8532
]]>
</description>
</pricepoint>
</market>
</markets>
</response>

```

### Structure of a “pricepoint”

Parameter	Description
<b>price</b>	End-user price <i>currency</i> : local currency in which the end-user is billed <i>amount</i> : amount of the transaction <i>exchange</i> : exchange rate of the day <i>reference_currency</i> : base currency (euro is default) <i>reference_amount</i> : amount of the transaction in base currency
<b>buy_url</b>	Buy URL for the customer (Not Applicable when not utilizing a product_id along with the following payment methods: MPME, Mikro-Odeme and SMS US WO)
<b>description</b>	Pricepoint description

## Method “Post onetime/validate-codes”

<b>Description</b>	Validate access codes.
<b>Goal of this method</b>	<p>This method is used to validate “manually” the HiPay Mobile codes generated after a payment.</p> <p>The codes will be validated and destroyed after using this method. You will receive an XML response with the details of the transaction, you have then, to treat this response and redirect the user to the page/content he paid for.</p>
<b>URL</b>	<a href="https://payment.allopass.com/api/onetime/validate-codes.apu">https://payment.allopass.com/api/onetime/validate-codes.apu</a>

---

HTTP Method	POST
-------------	------

---

#### Parameters

Status	Parameter	Type	Description
<b>mandatory</b>	site_id	integer	Identifier of the merchant site.
<b>mandatory</b>	product_id	integer	Identifier of a product.
<b>mandatory</b>	code	string[]	Access code(s)
<b>optional</b>	merchant_transaction_id	string	Transaction ID used by the merchant.
<b>optional</b>	data	string	Custom data.
<b>optional</b>	ap_ca	string	Partner code.
<b>optional</b>	ap_ca_idc	integer[]	Partner ID.
<b>optional</b>	ap_ca_mnt	string[]	Partner revenue share (in %).
<b>optional</b>	ap_ca_map	integer[]	Affiliate program ID.
<b>optional</b>	customer_ip	inet	Customer IP address.
<b>optional</b>	reference_currency	string	Base currency (EUR is default).

#### Example request

##### Code Example

```
<form action="https://payment.allopass.com/api/onetime/validate-codes.apu"
method="post">
  <input type="hidden" value="xxxxxx" name="site_id">
  <input type="hidden" value="yyyyyy" name="product_id">
  <input type="text" name="code[]" value="zzzzzzz">
  <input type="text" name="merchant_transaction_id" value="MyTransactionId">
  <input type="text" name="data" value="MyPersonalData">
  <input type="submit" value="send">
</form>
```

## Response

Parameter	Description	Example
<b>status</b>	Status code.	0
<b>status_description</b>	Status description.	Success

Parameter	Description	Example
<b>access_type</b>	Access type of the product.	Onetime
<b>transaction_id</b>	Identifier of the transaction.	0c92578d-3143-4bd8-aeae-72f2455e2499
<b>price</b>	Information about the transaction price. The <i>reference_amount</i> attribute is the price of the transaction in the currency and exchange rate specified in the <i>currency</i> and <i>exchange</i> attributes.	
<b>paid</b>	Amount actually paid by the customer in <i>currency</i> . The <i>reference_amount</i> attribute is the price of the transaction in the currency and exchange rate specified in the <i>currency</i> and <i>exchange</i> attributes.	
<b>validation_date</b>	Date the code(s) was/were validated.	2009-06-11T08:23:10+00:00
<b>product_name</b>	Name of the product.	MY PRODUCT
<b>website</b>	Information on the website on which the product is valid.	
<b>customer_ip</b>	Customer IP address.	83.167.62.196
<b>customer_country</b>	Country code of the customer. This two-letter code complies with ISO-3166.	FR
<b>expected_number_of_codes</b>	Number of codes required to access the product (from 1 to 5).	1
<b>codes</b>	List of access codes for this transaction.	
<b>merchant_transaction_id</b>	The transaction ID used by the merchant.	
<b>data</b>	Custom merchant data.	
<b>affiliate</b>	Partner code via an affiliate program.	
<b>partners</b>	List of partners defined by the merchant.	

## Sample response

### Code Example

```
<?xml version="1.0" encoding="utf-8" ?>
<response xmlns="https://api.allopass.com/rest"code="0" message="OK">
  <status>0</status>
  <status_description>success</status_description>
  <access_type>onetime</access_type>
  <transaction_id>0c92578d-3143-4bd8-aeae-72f2455e2499</transaction_id>
  <price currency="EUR" amount="3.60"
    exchange="1.0000000" reference_currency="EUR" reference_amount="3.60" />
  <paid currency="EUR" amount="3.60"
    exchange="1.0000000" reference_currency="USD" reference_amount="3.60" />
  <validation_date>2009-06-11T08:23:10+00:00</validation_date>
  <product_name><![CDATA[SPARE CHANGE TOPUP]]></product_name>
  <website id="123456" name="MY-WEBSITE.COM" url="http://my-website.com" />
  <customer_ip>83.167.62.196</customer_ip>
  <customer_country>FR</customer_country>
  <expected_number_of_codes>2</expected_number_of_codes>
  <codes>
    <code value="5MHE5939">
      <pricepoint id="2"code="FR"type="premium-calling"/>
      <price currency="EUR"amount="1.80"
        exchange="1.0000000" reference_currency="EUR"reference_amount="1.80"/>
      <paid currency="EUR"amount="1.80"
        exchange="1.0000000" reference_currency="EUR"reference_amount="1.80"/>
      <payout currency="EUR"amount="1.00"
        exchange="1.0000000"reference_currency="EUR" reference_amount="1.00"/>
    </code>
    <code value="6Q5GF542">
      <pricepoint id="2"code="FR"type="premium-calling"/>
      <price currency="EUR"amount="1.80"
        exchange="1.0000000" reference_currency="EUR"reference_amount="1.80"/>
      <paid currency="EUR"amount="1.80"
        exchange="1.0000000" reference_currency="EUR"reference_amount="1.80"/>
      <payout currency="EUR"amount="1.00"
        exchange="1.0000000"reference_currency="EUR" reference_amount="1.00"/>
    </code>
  </codes>
  <merchant_transaction_id><![CDATA[20090611-69784535]]></merchant_transaction_id>
  <data><![CDATA[userid=1981&login=username@host.com]]></data>
  <affiliate>X058G469879E5</affiliate>
  <partners>
    <partner id="12397654" share="10" map="" />
  </partners>
</response>
```

### Status codes

Code	Description	Example
0	Success	Access code validated.
1	Failed	Validation failed.

# Signature verification

## Check the signature of a notification

### Description

A unique signature is sent (api\_sig) each time that HiPay Mobile contacts a merchant page.

## Find the Secret Key

You will find this key in your HiPay Mobile back office under the « Toolbox » category.

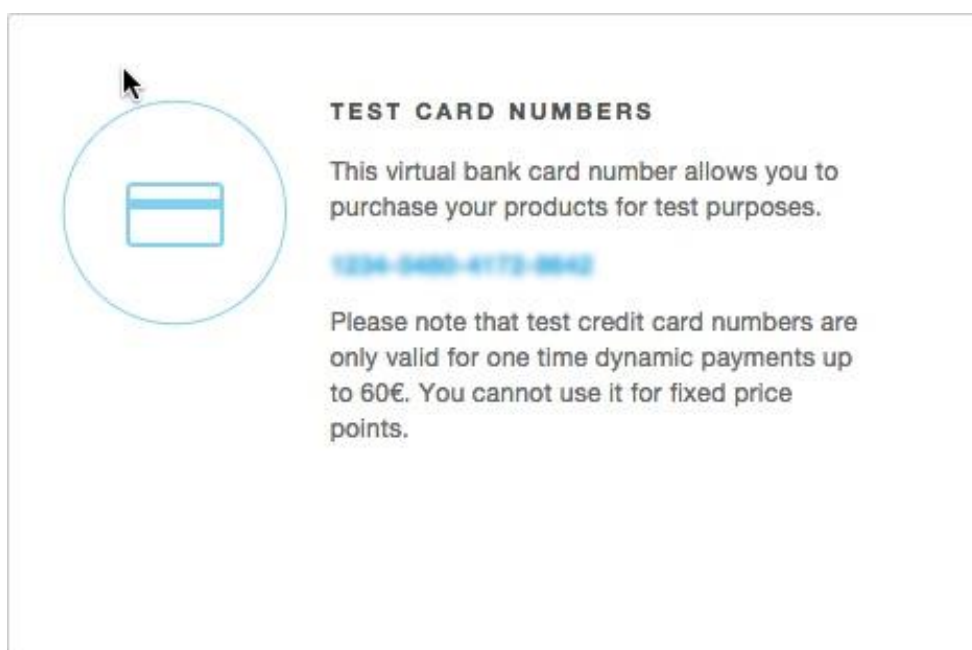
## Example in PHP

# Testing

## Virtual bank card (only for One-Time Dynamic products)

### Description

HiPay Mobile lets you use a virtual bank card to test your payments; you will find it in your HiPay Mobile back office under the « Toolbox » category.



This virtual bank card number allows you to purchase YOUR products for test purposes.

### Note

Test credit card number is only valid for discrete price points (payments up to 60€). You **cannot** use it for fixed price points.

## Test codes

### Description

To facilitate the testing of your integration, for each product set up on the HiPay Mobile merchant account, you can specify a test code that will always lead to an unbilled, successful transaction.

### Code security

It is your responsibility to use strong enough test codes that won't be easily guessed or brute-forced by the end-user.

### Note



The **Test codes** don't send any notification to your notification URL, if you want to test the notifications, please test them with **Free Codes**.

## Free codes (only for One-Time Fixed products)

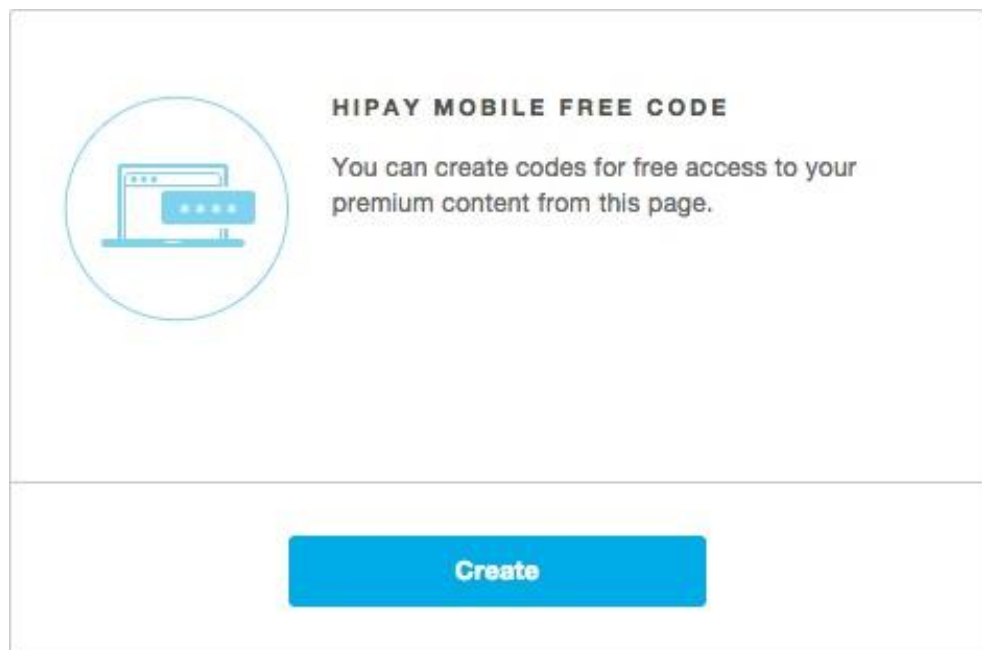
### Description

Free codes are more sophisticated than test codes as they are meant to behave more like real codes.

Their validity can be adjusted by duration or number of uses, so they can be used for customer support as well.

### Free code

You can generate free codes on your HiPay Mobile back office under the « Toolbox » category.



### Note



Please note that these free codes are tied to specific product IDs. When using the API to generate transactions that are not associated with product IDs, you need to select "Generic Product" in the drop-down list.

## More questions?

Contact our Merchant support at: [contact.mobile@hipay.com](mailto:contact.mobile@hipay.com) or visit our Support center at <http://help.hipay.com/mobile>.

