



# Internet + Subscription Developer Starter Guide

Version 1.1

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# Introduction

## Overview

### Description

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A subscription is presented as a product in which the customer can have several offers associated with it.

For each offer, it is possible to define a name, description, billing frequency and a list of price levels by country (see "Anatomy of subscription script").

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### Scripts

The scripts available are:

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Status	Parameter	Description
<b>mandatory</b>	Subscription script	This script is an HiPay Mobile payment page. It lets the end user select the offer and the payment method, and then follow the instructions to complete the subscription.
<b>mandatory</b>	Unsubscription script	The customer is asked to enter his HiPay Mobile subscriber reference and the telephone number or the email address used when subscribing to confirm the termination of his membership.

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# Anatomy of a web subscription script

## Product name.

This name can be replaced with the parameter named `product_name`

(see "Integration of scripts: Install Subscription script").

## Select the country of origin of the buyer.

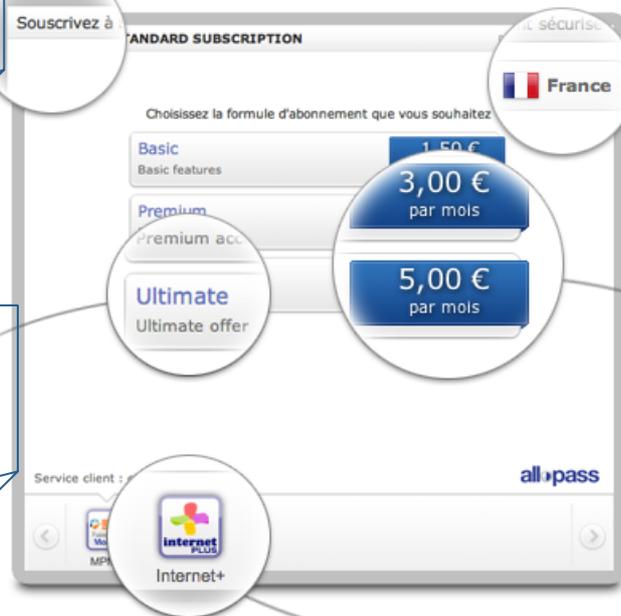
By default, the buyer is from location-based IP address.

## Details of the offer.

Name and description of subscription offers.

## Pricing of the offer.

Each package offers a rate that depends on the price level selected regarding the country and the desired payment method.



**Selecting the method of payment.** The number of offers varies depending on the selected method.

# Web subscription workflow

## Subscribe an offer on the web

On the purchase page, the end user is prompted to click on a button offering to subscribe an offer.



## Process of payment

The process of payment of the subscription depends on the method of payment selected.



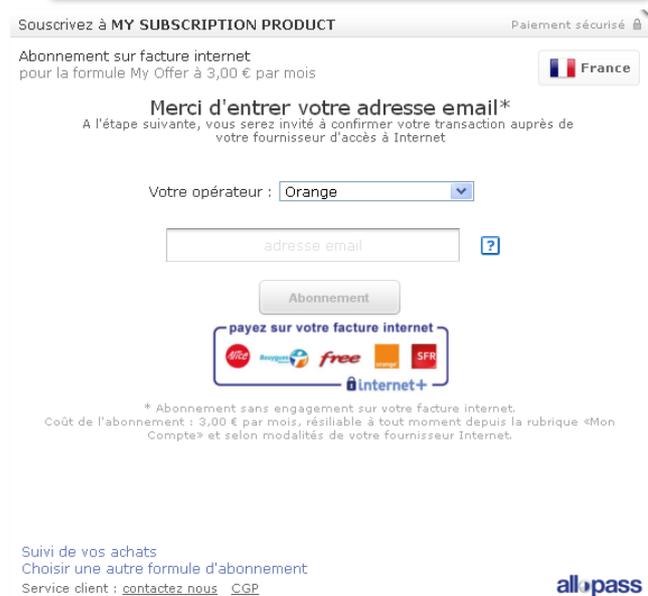
## Mobile payment case

The customer must choose his mobile provider to continue.



## Payment by Internet+

The customer must enter his email and choose his ISP to continue.



# Mobile Subscription workflow

## Subscribe an offer on mobile

On the mobile purchase page, the end user is prompted to chose the preferred offer and click on a button offering to subscribe to it.

## Process of payment

- If the customers' device is working without Wi-Fi (directly connected only to the carrier network) he will be redirected automatically to the carrier's page,
- If not (if the device is connected to a Wi-Fi network) the customer will be asked to chose his carrier and enter his phone number.

## Wi-Fi Workflow Example



Figure 1: With Wi-Fi workflow example

# Finalizing your transaction

## Overview

### Description

To finalize the transaction the customer must follow the instructions that will be displayed in his mobile provider or ISP. Once the transaction is finished on their side the customer is redirected to an HiPay Mobile confirmation window.

## Error window

### Error window

If there was an error processing the payment, the customer will see this error window :



## Aborted payment window

### Aborted payment window

If the customer aborts the payment in the provider's window he will see this window:

 **Votre paiement est annulé**

Vous avez quitté la fenêtre de paiement avant la confirmation de votre achat.  
Le montant de la transaction ne vous sera pas facturé par votre opérateur.

[Retour au site](#)

[Je souhaite reprendre le paiement.](#)

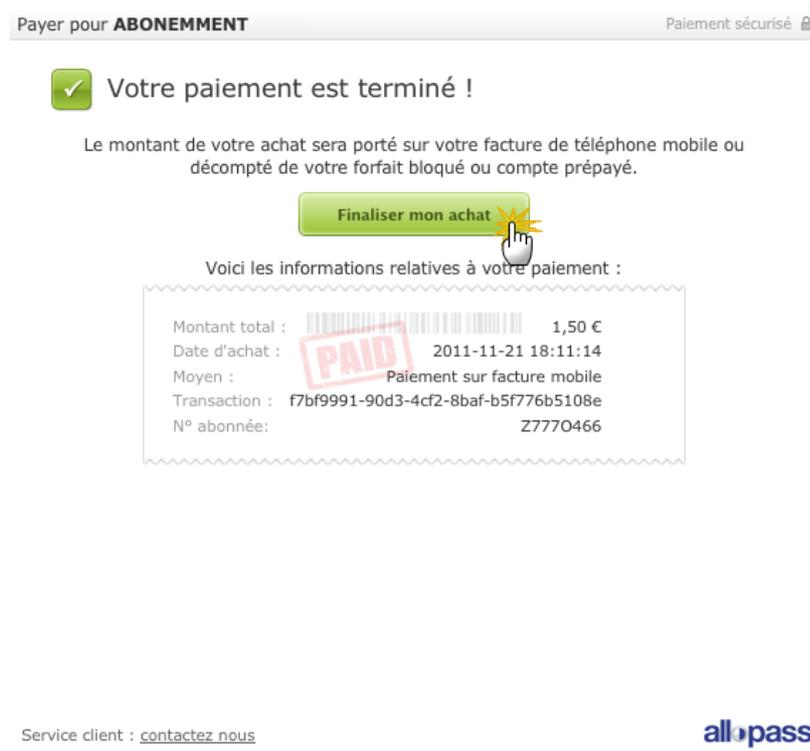
Service client : [contactez nous](#)

**allopass**

## Success payment window

**Condition** If the provider confirms that the transaction was successfully completed, the customer will see the HiPay Mobile Success Window.

**Procedure** When successful payment HiPay Mobile window is displayed :  
Click on “**Finaliser mon achat**” to finalize your purchase.  
→ The user is redirected to the product access page.

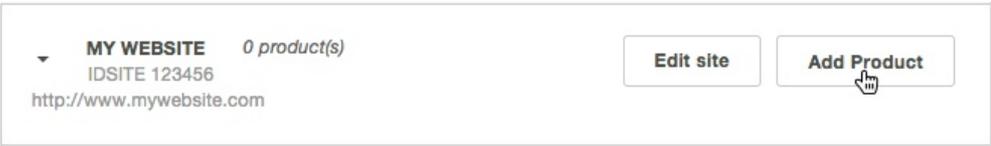
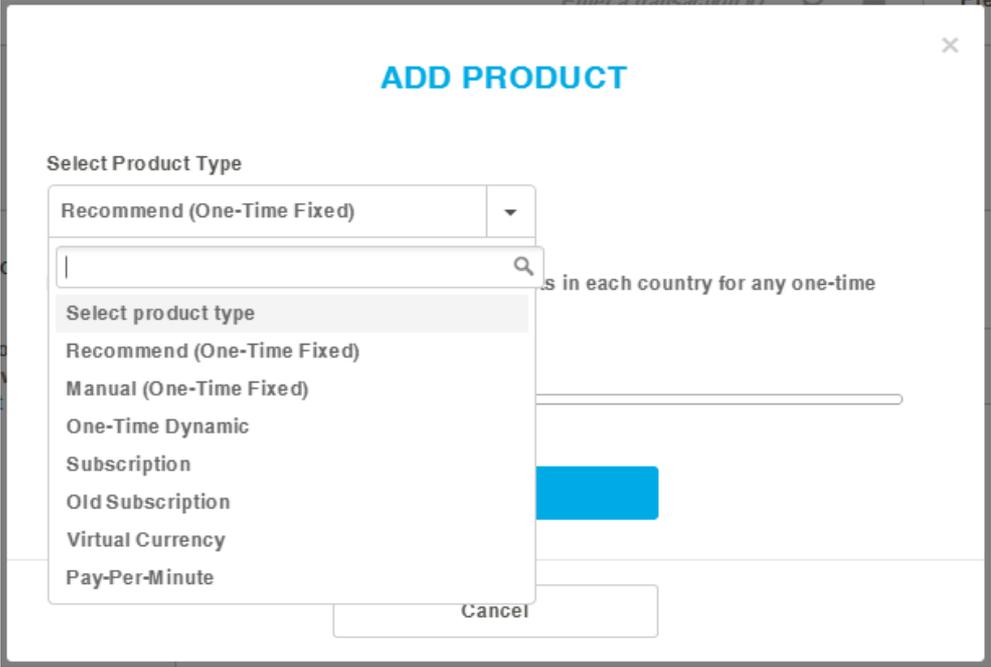


# Set-up products

## Add a product

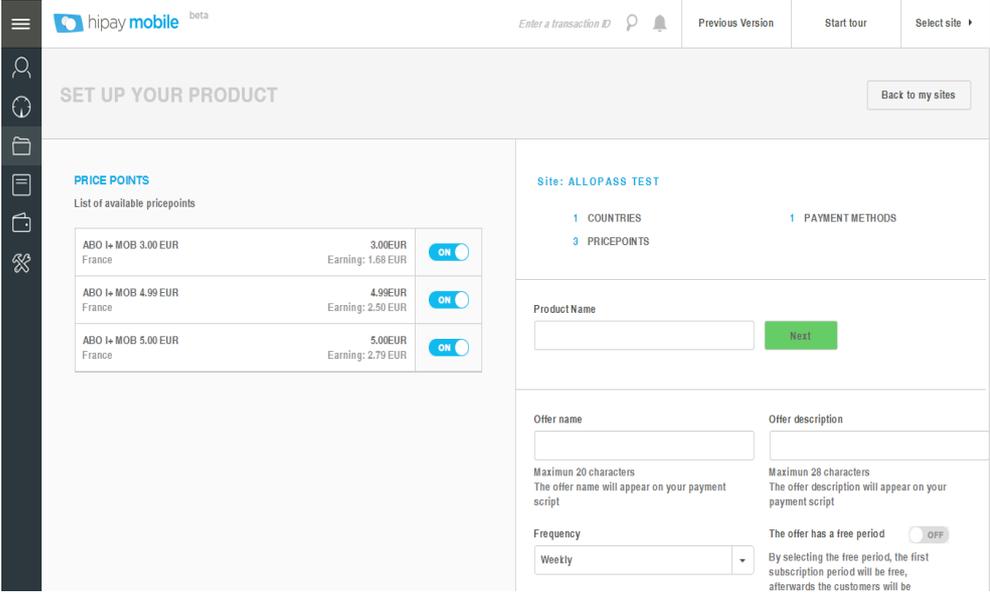
**Introduction** From the "Sites & Products" screen, click on "Add a product...".

**Procedure** To set-up a product, proceed as follow:

Steps	Action
1	<p>Select the web site or create a new one:</p>  <p><b>Note:</b>  To get the details about creating a new web site, please refer to the “<i>HiPay Mobile – Developer Starter Guide</i>” or “<i>HiPay Mobile – Internet+ Mobile Developer Starter Guide</i>”.</p>
2	<p>Select the subscription payment method type that you prefer</p> 

# Payment URLs

**Procedure** To set-up a product, proceed as follow (continuation):

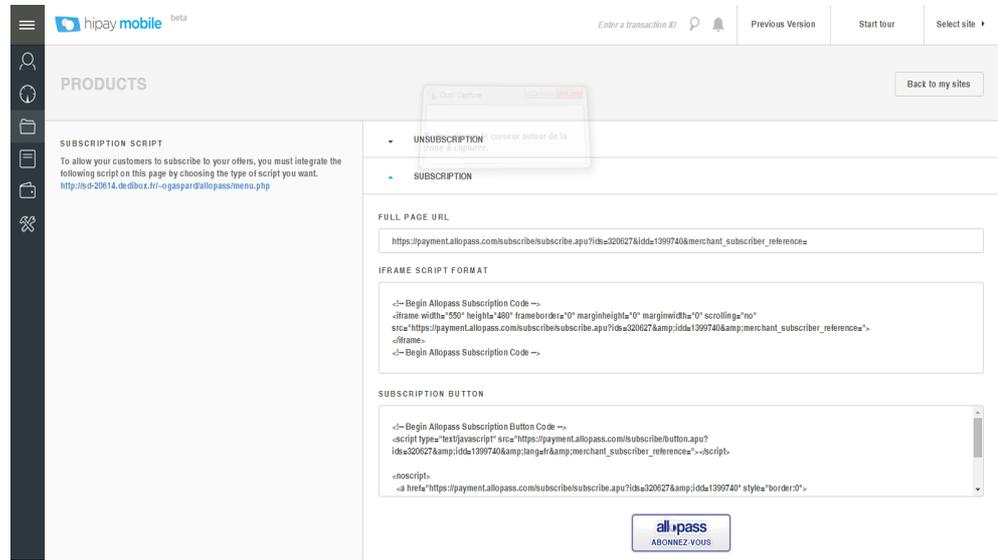
Steps	Action
3	<p>Choose the desired price points and fill your product information:</p> 

Status	URL	Description
<b>mandatory</b>	Product name	This is how the product will appear in your reports. This name does not appear on your customer's bill
<b>mandatory</b>	Purchase URL	The address of the page on which customers will see the HiPay Mobile script and request access to your product
<b>mandatory</b>	Product access URL	Address of the page on which customers will access your product once payment is confirmed.
<b>optional</b>	Error URL	The address of the page customers will be directed to if they can't complete a purchase.  This page should include support info
<b>optional</b>	Notification URL	The address of the page on which you will receive notification about your payment document once the payment is confirmed.

# Payment scripts integration

## Description

HiPay Mobile generates a ready-made html code that you can simply copy and paste in your purchase page:



## Web site Subscription script integration

### Introduction

To allow your web customers to subscribe to your offers, you must integrate the following script on your purchase page by choosing the type of script you want.

### *Button script:*

#### Description

To integrate the button, copy the whole script and paste it in your purchase page.

### *I-frame script:*

#### Description

To integrate the iframe, copy the whole script and paste it in your purchase page.

### *Full page script:*

#### Description

To integrate in full page mode, please use the subscription script URL either in a hyperlink or a HTTP redirection.

## Parameters

These variables must or can be transmitted to the two HiPay Mobile scripts:

- subscribe/subscribe.apu
- subscribe/button.apu

Status	Parameter	Type	Description
<b>mandatory</b>	ids	Integer	Your site ID as set up in your HiPay Mobile merchant account
<b>mandatory</b>	idd	Integer	Your product ID as set up in your HiPay Mobile merchant account
<b>optional</b>	product_name	string	The name of the product, it replaces the name of the product in the payment window
<b>optional</b>	forward_target	string	Window target for the forward to the product page at the end of the transaction.  Can be set to parent or current (parent by default)
<b>optional</b>	merchant_transaction_id	string	The transaction ID used by the merchant
<b>optional</b>	merchant_subscriber_reference	string	The subscriber reference used by the merchant
<b>optional</b>	data	string	Custom merchant data

## Direct redirection

**Conditions** If some of the mandatory information is already asked in your site before you call the HiPay Mobile script, you can always send it directly to the payment page and avoid the HiPay Mobile pages where the user is asked to fill this information.

### *Internet+ mobile (MPME):*

**Parameters** URL to call: <https://payment.allopass.com/abo/wapplus/purchase.apu>

Status	Parameters	Type	Description	Example
<b>mandatory</b>	ids	Integer	Your site ID as set up in your HiPay Mobile merchant account	123456
<b>mandatory</b>	idd	Integer	Your product ID as set up in your HiPay Mobile merchant account	789012
<b>mandatory</b>	offer_id	Integer	The offer ID as set up in your HiPay Mobile product	123
<b>optional</b>	country	string	Country code in ISO 3166-1 alpha-2 standard	FR
<b>optional</b>	operator	string	The operator ID under the following details: Orange : 20801 / SFR : 20810 / Bouygues : 20820	20801
<b>optional</b>	msisdn	string	The mobile phone number of the customer	0612345678

### *Internet+ box:*

**Parameters** URL to call: <https://payment.allopass.com/abo/wha/purchase.apu>

Status	Parameters	Type	Description	Example
<b>mandatory</b>	ids	Integer	Your site ID as set up in your HiPay Mobile merchant account	123456
<b>mandatory</b>	idd	Integer	Your product ID as set up in your HiPay Mobile merchant account	789012
<b>mandatory</b>	offer_id	Integer	The offer ID as set up in your HiPay Mobile product	123

Status	Parameters	Type	Description	Example
<b>optional</b>	lang	string	The language in country code in ISO 3166-1 alpha-2 standard	FR
<b>optional</b>	operator	string	The operator ID under the following details:  Orange : 6 / SFR : 30 / Bouygues : 8 / Alice-Free : 7	7
<b>optional</b>	customer_email	string	The customer's email address.	customer@mail.com

#### Note



For both direct redirection integrations, you can also send all your free data too

(data, merchant\_transaction\_id, merchant\_subscriber\_reference, etc.).

## Mobile site Subscription script integration

#### Description

To allow your mobile device customers to subscribe to your offers, you must integrate the following script on your mobile purchase page.

#### Script

```
<form action="http://mobile.allopass.com/abo/wapplus/access.apu" method="get">
<input type="hidden" name="ids" value="1234567" />
<input type="hidden" name="idd" value="9876543" />
<input type="hidden" name="offer_id" value="123" />
<input type="submit" value="Pay with Internet+ mobile" />
</form>
```

#### Recommendation

Remember that you must have created your product inside your mobile site created in your HiPay Mobile account.

#### Parameters

These variables must or can be transmitted to the mobile HiPay Mobile scripts:

Status	Parameters	Type	Description	Example
<b>mandatory</b>	ids	Integer	Your site ID as set up in your HiPay Mobile merchant account	123456
<b>mandatory</b>	idd	Integer	Your product ID as set up in your HiPay Mobile merchant account	789012
<b>mandatory</b>	offer_id	Integer	The offer ID as set up in your HiPay Mobile product	123
<b>optional</b>	alias	string	The mobile phone number of the customer	0612345678
<b>optional</b>	msisdn	string	Confirm the mobile phone number of	0612345678

Status	Parameters	Type	Description	Example
			the customer that you have entered in the "alias" field	
<b>optional</b>	mccmnc	string	The operator ID under the following details: Orange : 20801 / SFR : 20810 / Bouygues : 20820	20801

#### Note



Remember that you can also send all your free data too  
(*data, merchant\_transaction\_id, merchant\_subscriber\_reference, etc.*).

## Product page access

**Description** At the end of the payment process, if this one was successfully accepted, the customer is redirected to the product page.

**Parameters** The parameters sent to this page are:

Parameters	Type	Description
<b>transaction_id</b>	uuid	HiPay Mobile transaction ID
<b>subscriber_reference</b>	string	HiPay Mobiles subscriber reference
<b>merchant_subscriber_reference</b>	string	The subscriber reference used by the merchant
<b>data</b>	string	Custom merchant data

## Unsubscription script

#### Mandatory



To allow your customers to stop their subscriptions, you **must** integrate the unsubscription link on your purchase page or on your member zone if your website has one.

#### Create an unsubscription

There are two ways to create your unsubscription link, the generic link and the simplified link.

- Generic link
- Simplified link

### Generic link

#### Description

The generic link will ask your customer to enter:

- his subscriber reference (N° abonnée) and
- his phone number (for Internet+ mobile payments) or email address (for Internet+ box payments).

→ these information are used to subscribe before to be redirected to the mobile provider or ISP page.

**Generic link URL:** <https://payment.allopass.com/subscribe/cancel.apu>



## Parameters

These variables must or can be transmitted to the generic unsubscription link:

Status	Parameter	Type	Description
<b>mandatory</b>	ids	Integer	Your site ID as set up in your HiPay Mobile merchant account
<b>mandatory</b>	idd	Integer	Your product ID as set up in your HiPay Mobile merchant account
<b>optional</b>	country	string	The county value will define the language of the unsubscription page. The values supported today are: <ul style="list-style-type: none"><li>• FR: French</li><li>• US: English</li></ul>
<b>optional</b>	merchant_subscriber_reference	string	The subscriber reference used by the merchant

## Note



### **Important! Your site has a member zone?**

If you have sent a “merchant\_subscriber\_reference” for the subscription, you must send it again to the unsubscription link

## Example

### Link

```
https://payment.allopass.com/subscribe/cancel.apu?ids=xxxx&idd=zzzzz&country=FR&merchant_subscriber_reference=customerid
```

## Simplified link (Only available for Internet+ mobile ‘MPME’)

### Description

If you save the subscriber references that HiPay Mobile send to you in the Notifications of payments (see *Notifications*) and the payment method was

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Internet+ mobile (MPME) you can “skip” the first step of the Generic unsubscription link (ask your customers their subscriber reference and phone number/email address) sending directly to HiPay Mobile the subscriber reference related to your client.

**Simplified link URL:** <http://payment.allopass.com/abo/wapplus/cancel.apu>

---

**Parameters**

These variables must or can be transmitted to the simplified unsubscription link:

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Status	Parameter	Type	Description
<b>mandatory</b>	subscriber_reference	string	Your customer's subscriber_reference

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**Example**

**Link**

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[https://payment.allopass.com/abo/wapplus/cancel.apu?subscriber\\_reference=Z564307N](https://payment.allopass.com/abo/wapplus/cancel.apu?subscriber_reference=Z564307N)

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## Unsubscription workflow

Paiement sécurisé 

### Annulation d'un abonnement

Veuillez entrer les informations demandées et confirmer votre achat.

Votre référence abonné :   
Ex: Z1234567

Numéro de téléphone mobile  
ou adresse email utilisé lors de  
l'inscription

[Je me désabonne](#)

Vous êtes sur le point d'annuler votre abonnement pour le service :  ABONNEMENT  
PAR SEMAINE pour le site 

Une fois votre demande acceptée, votre abonnement restera valide pendant la durée  
d'abonnement initiale

Service client : [contactez nous](#)



Paiement sécurisé 

### Annulation d'un abonnement

Vérifier l'information fournie pour confirmer l'annulation

Vous êtes sur le point d'annuler votre abonnement au service suivant:  
 ABONNEMENT PAR SEMAINE pour le site 

Offre d'abonnement: 

Date d'abonnement : 30/05/2012 09:24

Méthode: MPME

Montant : 2,50 € par semaine

Numéro de téléphone mobile: 

 Pour finaliser votre résiliation, connectez-vous à votre  
compte utilisateur sur le portail de votre opérateur  
mobile.  
Ensuite, veuillez cliquer sur le lien ci-dessous pour vous  
connecter et confirmer votre résiliation.

[Accédez à votre portail SFR](#)

Dès que votre demande sera acceptée, votre abonnement restera valide pour la  
durée initiale d'abonnement

Service client : [contactez nous](#)



- ➔ When your customer clicks in “**Accéder à votre portail XXX**” he will be redirected to his service provider page.
- ➔ He must login into his customer area and cancel his subscription there.

# Notifications

## Overview

**Introduction** The *notification URL* defined when the merchant creates a Product in the HiPay Mobile merchant account (see *Set up products: Step 3*) lets the merchants receive acknowledgments of their transactions on a URL placed on their server.

**Notification types** This URL can receive three notification types. For each notification, an action parameter identifies the type of event (see *table below*), the returned parameters depend on the type of notification.

Event type	Description
<b>payment-confirm</b>	Notification of a new subscription
<b>payment-renewal</b>	Renewal of a valid subscription.
<b>subscription-cancellation</b>	Cancellation of a subscription.

**Note**



The parameters returned to the notification URL are sent with the HTTP GET method.

These parameters are signed with the API keys (see *Signature verification* section).

**Status codes**

Code	Description	Example
<b>0</b>	Success	Payment accepted.
<b>1</b>	Error	Insufficient funds
<b>5</b>	Charged back transaction	Chargebacked

## Notification of a new subscription

**Description** At the end of a subscription to a subscription offer, the notification URL is called with the parameters defined in the table below.

Parameter	Description	Example
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Parameter	Description	Example
<b>action</b>	Describes the type of event for which we notify.	payment-confirm
<b>test</b>	Allows the merchant to identify the test transactions.	false
<b>transaction_id</b>	Unique ID for the transaction HiPay Mobile.	0c92578d-3143-4bd8-aeae-72f2455e2499
<b>status</b>	Status of the transaction (For a complete list of status codes, see table below).	0
<b>status_description</b>	Description of the status of the transaction (For a complete list of status codes, see table below).	success
<b>access_type</b>	Product type.	subscription
<b>date</b>	Transaction Date.	2011-01-07T09:51:01+00:00
<b>subscriber_reference</b>	Unique reference of the HiPay Mobile subscriber.	Z8635S59
<b>merchant_subscriber_reference</b>	Merchant subscriber reference that the merchant has informed when making payment.	My reference
<b>pricepoint_id</b>	Price point Id used for the subscription.	502
<b>type</b>	Payment method	mpme
<b>data</b>	Data that the merchant has informed when making payment.	Widget592
<b>merchant_transaction_id</b>	Merchant transaction Id that the merchant has informed when making payment.	IN1234132
<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
<b>product_id</b>	Identifier of the product.	987654

Parameter	Description	Example
<b>offer_id</b>	Identifier of the subscription offer.	55
<b>amount</b>	Amount of the transaction. The <i>currency</i> is determined by the price point identifier.	1.50
<b>paid</b>	Amount actually paid by the customer in <i>currency</i> .	1.50
<b>currency</b>	Local currency for the transaction.	EUR
<b>reference_currency</b>	Base currency (EUR is default).	EUR
<b>reference_amount</b>	Amount of the transaction in base currency.	1.50
<b>reference_paid</b>	Amount actually paid by the customer in base currency.	1.50
<b>reference_payout</b>	Amount of the merchant payout in base currency.	0.65
<b>payout_amount</b>	Amount of the merchant payout in payout currency.	0.65
<b>payout_currency</b>	Payout currency for the transaction.	EUR
<b>carrier</b>	Optional: Carrier information if available	Orange
<b>msisdn</b>	Optional: MSISDN information if available	0612345678
<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 ou md5
<b>api_sig</b>	Signature	fb1bab50fd2c3751dab07b35...

## Notification of a renewal

**Description** After each automatic renewal, the merchant is notified of the renewal at the end of the term of the subscription.

Parameter	Description	Example
<b>action</b>	Describes the type of event for which we notify.	payment-renewal
<b>test</b>	Allows the merchant to identify the test transactions.	false
<b>transaction_id</b>	Unique ID for the transaction HiPay Mobile.	0c92578d-3143-4bd8-aeae-72f2455e2499
<b>status</b>	Status of the transaction (For a complete list of status codes, see table below).	0
<b>status_description</b>	Description of the status of the transaction (For a complete list of status codes, see table below).	success
<b>access_type</b>	Product type.	subscription
<b>date</b>	Transaction Date.	2011-01-07T09:51:01+00:00
<b>subscriber_reference</b>	Unique reference of the HiPay Mobile subscriber.	Z8635S59
<b>merchant_subscriber_reference</b>	Merchant subscriber reference that the merchant has informed when making payment.	My reference
<b>pricepoint_id</b>	Price point Id used for the subscription.	502
<b>type</b>	Payment method	mpme
<b>data</b>	Data that the merchant has informed when making payment.	Widget592

Parameter	Description	Example
<b>merchant_transaction_id</b>	Merchant transaction Id that the merchant has informed when making payment.	IN1234132
<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
<b>product_id</b>	Identifier of the product.	987654
<b>offer_id</b>	Identifier of the subscription offer.	55
<b>amount</b>	Amount of the transaction. The <i>currency</i> is determined by the price point identifier.	1.50
<b>paid</b>	Amount actually paid by the customer in <i>currency</i> .	1.50
<b>currency</b>	Local currency for the transaction.	EUR
<b>reference_currency</b>	Base currency (EUR is default).	EUR
<b>reference_amount</b>	Amount of the transaction in base currency.	1.50
<b>reference_paid</b>	Amount actually paid by the customer in base currency.	1.50
<b>reference_payout</b>	Amount of the merchant payout in base currency.	0.65
<b>payout_amount</b>	Amount of the merchant payout in payout currency.	0.65
<b>payout_currency</b>	Payout currency for the transaction.	EUR
<b>carrier</b>	Optional: Carrier information if available	Orange
<b>msisdn</b>	Optional: MSISDN information if available	0612345678
<b>api_key</b>	Merchant API key.	cf3b9a6b7b309c06aa53f5527c96e67

## Notification of a cancellation

**Description** Once a subscription terminated, the merchant is notified at the end of the period of validity of the subscription.

Parameter	Description	Example
<b>action</b>	Describes the type of event for which we notify.	subscription-cancellation
<b>status</b>	Status of the subscription (For a complete list of status codes, see table below).	0
<b>status_description</b>	Description of the status of the subscription (For a complete list of status codes, see table below).	cancelled
<b>access_type</b>	Product type.	subscription
<b>date</b>	Cancellation Date.	2011-01-07T09:51:01+00:00
<b>subscriber_reference</b>	Unique reference of the HiPay Mobile subscriber.	Z8635S59
<b>pricepoint_id</b>	Price point Id used for the subscription.	502
<b>data</b>	Data that the merchant has informed when making payment.	
<b>merchant_subscriber_reference</b>	Merchant subscriber reference that the merchant has informed when making payment of the subscription.	
<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
<b>product_id</b>	Identifier of the product.	987654

Parameter	Description	Example
<b>offer_id</b>	Identifier of the subscription offer.	55
<b>api_key</b>	Merchant API key.	cfd3b9a6b7b309c06aa53f5527c96e67
<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 ou md5
<b>api_sig</b>	Signature	fb1bab50fd2c3751da b07b35...

#### *Status codes*

Code	Description	Example
<b>0</b>	Success	Subscription cancelled.

## Signature verification

### Check the signature of a notification

<b>Description</b>	A unique signature is sent each time that HiPay Mobile contacts a merchant page ( <i>api_sig</i> ).
<b>Verification of the signature</b>	To verify this signature, you will need your API Secret Key.
<b>Find the Secret Key</b>	You will find this key in your HiPay Mobile back office under the « Toolbox » category.



# 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>.