



GT PAYMENT PTE. LTD.

GTPayment Merchant Integration Manual

Version: <1.2.3>

What's New in version 1.2.0?

1. Price format limit. Only number or decimal point

What's New in version 1.2.1?

1. Take out the Moneybookers payment method (Not support any more)
2. Describe more details about mcurrency, price, actual_currency, actual_amount difference.

What's New in version 1.2.2?

1. We improve security by adding new secret key verification.

What's New in version 1.2.3?

1. Refund API integrated into GTPAYMENT SYSTEM.

1. Standard gateway

1.1 Introduction

- Easy-to-use gateway interface enabling businesses and individuals to sell goods and services over the Internet safely and securely.
- The customer makes the payment on GTPayment's secure web servers. He is automatically redirected back to the merchant's web site once the payment is complete.
- Allows real-time communication between the merchant's system and GTPayment's transaction servers.

1.2 Description

Parameter Name	Type	Description	Can be Null
lang	string	Language for the GTPayment page	Y – default English
member	string	The merchant Email in GTPayment	N
productid	string	Unique id	N
price	double(10,2)	Total price	N
product	String	Product Name	Y
membercurrency	String	Product currency MUST BE the same as merchant currency in GTPayment	N
ucancel	String	Cancel url	N
ureturn	String	Return url	N
unotify	String	Notify url	Y
api_exclude	String	Merchant can choose payment gateway NOT to use (Paypal,alipay)	Y
trace_no	String	Customer trace number	Y
custom_email	String	Customer email	Y
secret_key	String	Merchant secret_key, encrypt by using HmacSHA1 with customer api key and customer id	N

Table 1: API Request

Notes:

Form POST URL:

<http://www.gtpayment.com/gtmpayment.do>

(Live)

lang: Now support two languages Chinese (zh-CN)/English (en-US)

member: the merchant have to register in GTPayment. The user email address in GTPayment is the member name here.

api_exclude: Merchant can choose payment gateway NOT to use.

Price: Character must be number or decimal point (Cannot be include special character e.g. “,”))

Secret_key:

example on php `hash_hmac('sha1','youraccount@gtpayment.com','Your API KEY');`

1.3 Example

For basic integration simply use this HTML and customise the Orange fields to your own needs:

```
<form method="post"
action="http://www.gtpayment.com/gtmpayment.do">
<input type="hidden" name="lang" value="zh-CN" />
<input type="hidden" name="member" value="GTPay account" />
<input type="hidden" name="productid" value="123456" /> <input
type="hidden" name="product" value="Test Item" /> <input
type="hidden" name="price" value="10.00" />
<input type="hidden" name="membercurrency" value="SGD" />
<input type="hidden" name="ucancel" value="Cancel URL" />
<input type="hidden" name="ureturn" value="Return URL" />
<input type="hidden" name="unotify" value="Notify URL" />
<input type="hidden" name="api_exclude" value="alipay,paypal" />
<input type="hidden" name=" trace_no" value="0123456789" />
<input type="hidden" name="custom_email" value="test@test.com" />
<input type="hidden" name="secret_key"
value="877e2cf7e71c4fcb04bbad17ae46556f50936ebc" />
<input type="submit" value="PAY NOW" />
</form>
```

***Note:** api_exclude value="alipay,paypal" so the payment gateway will not use alipay and paypal

2. Response:

Return URL

Parameter Name	Type	Description	Can be Null
transaction_id	string	Transaction ID	N
status	string	Transaction Status	N
checksign	string	Customer API key.	N
invoice	string	Transaction Invoice number	N
price	double(10,2)	Total price	N
actual_amount	double(10,2)	Amount merchant received	N
custom_email	string	Customer Email	Y
productid	string	Product ID	Y
product	string	Product Name	Y

Table 2: API Response

Back-end notify, all data is send back by POST method

Parameter Name	Type	Description	Can be Null
transaction_id	string	Transaction ID	N
status	string	Transaction Status	N
checksign	string	Customer API key.	N
invoice	string	Transaction Invoice number	N
price	double(10,2)	Total price	N
actual_amount	double(10,2)	Amount merchant received	N
custom_email	string	Customer Email	Y
productid	string	Product ID	Y
product	string	Product Name	Y

Table 2: API Response

After the user register in GTPayment, go to the overview page of GTPayment, API Keys tab

ACCOUNT OVERVIEW									
GENERAL INFORMATION									
Status:	BASIC MEMBER						BECOME VIP NOW		
Full Name:	test test								
Username:	test								
Primary E-Mail:	test@gtpayment.com								
Last Login:	09/23/2009 03:17PM (116.14.78.141)								
Current Balance, USD:	10.00								
API Keys:	kTPHuKwvDEVAFun9mjUhyHiOV9vxNq4qcX4LXKyrhLPJg8D7WO								
LAST TRANSACTION									
Transaction ID:	389								
Date:	08/19/2009 03:46PM								
Direction:	from ralph								
Amount, USD:	+10.00								
Fee, USD:	---								
Paid, USD:	10.00								
Type:	Transfer								
Status:	Completed								
MOST RECENT TRANSACTIONS (LAST 20)									
ID	Dir	Member	Amount	Fee	Paid	Date	Type	Status	
389	FROM	ralph	+10.00	---	10.00	08/19/2009 03:46PM	Transfer	Completed	
VIEW ALL TRANSACTIONS									
PENDING PAYMENTS TO UNREGISTERED MEMBERS									
Unreg. Member		Amount			Fee		Date		

Figure 1: API Keys screenshot

3. Refund

FORMAT : HTML FORM FIELD(POST METHOD)

URL : <http://gtpayment.com/refund.do>

Parameter Name	Type	Description	Can be Null
action	string	REFUND or ENQUIRY	N
transaction_id	int	Transaction ID in GTPAYMENT	N
member	string	Your GTPAYMENT account	N
productid	string	Product ID	Y
secret_key	string	Merchant secret key, encrypt by using HmacSHA1 with customer api key and customer id	N
reason	string	Reason of refund	N

4. Refund Response

Refund API response as JSON format

Parameter Name	Type	Description	Can be Null
Result	object	Refund or enquiry result	N
Error	object	Error code and description include	N

3. Flow Chat

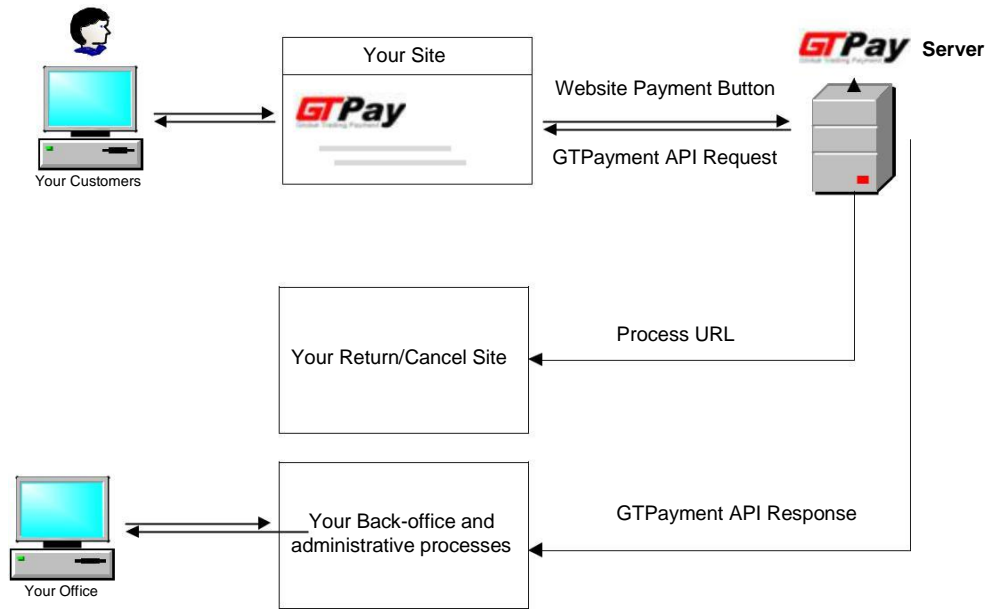


Figure 2: Process flow chat