



Integration and Application Programmer Interface

API Document

Version 1.0.3

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Table of Contents

1. Introduction	3
Ready Virtuemart Modules	
Custom Module Creation	
Custom POST variables required from your website	
Merchant Account Setup: Administrative Requirements	
2. Example Forms	5
M-PESA Transaction ID Input form	
Zap Transaction ID Input form	
3. Sample artwork to brand your pages	6

1. Introduction

Ready Virtuemark Modules

We have ready Virtuemark Shopping Cart Modules (<http://www.virtuemark.net/>) should you be using this shopping cart.

You can download them by [clicking here](#)

Custom Module Creation

In the event that you don't need these prepared modules, we would need you to POST the following parameters to our system:

Custom POST variables required from your website

For the M-PESA code validation input form

1. **order_id** (alphanumeric) - hidden field (12 characters)
2. **email** (alphanumeric) - hidden field (30 characters)
3. **phone1** (alphanumeric) - hidden field (15 characters)
4. **invoice** (alphanumeric) - hidden field (12 – 15 characters)
5. **vendor_ref** (alphanumeric) - The unique vendor reference number will be assigned to your client by Intrepid (5 characters)
6. **total** (numeric) - this is the total cash amount that needs to be paid (7 characters)
7. **mpesa** (alphanumeric) - name of the mpesa code input field (8-10 characters)

For the Zap code validation input form

1. **order_id** (alphanumeric) - hidden field (12 characters)
2. **email** (alphanumeric) - hidden field (30 characters)
3. **phone1** (alphanumeric) - hidden field (15 characters)
4. **invoice** (alphanumeric) - hidden field (12 – 15 characters)
5. **vendor_ref** (alphanumeric) - The unique vendor reference number will be assigned to your client by Intrepid (5 characters)
6. **total** (numeric) - this is the total cash amount that needs to be paid (7 characters)
7. **zap** (alphanumeric) - name of the zap code input field (12-15 characters)

These are both posted to <https://ipay.intrepid.co.ke/incoming/>

**** (please note that the LAST trailing slash (/) in the above URL is IMPORTANT) ****

For each e-commerce merchant site you configure, we expect you to provide the **call back URL** where the iPay system will return execution to your site for your processing. This URL will then catch the following variables and their values, which are to be sent back to your website from the iPay verification system.

The variables you need to pick via the call back URL and returned through a GET call are: **status**, **id** and **ivm**, and special browser-dependent variables **qwh**, **afd**, **poi**, **uyt**, **ifd**, **agt**

(a) The **status** variable has the following possible values:-

fe2707etr5s4wq = Failed transaction. Not all parameters have been fulfilled. A notification of this transaction has been sent to the website owner.

aei7p7yrx4ae34 = Success: The transaction is valid. Therefore you can update this transaction.

bdi6p2yy76etrs = Pending: Incoming Mobile Money Transaction Not found. Please try again in 5 minutes.

cr5i3pgy9867e1 = Used: The code you are attempting to pass has been used already. A notification of this transaction has been sent to the website owner.

dtfi4p7yty45wq = Less: The amount that you have sent via mobile money is LESS than what was required to validate this transaction.

eq3i7p5yt7645e = More: The amount that you have sent via mobile money is MORE than what was required to validate this transaction. (Up to the merchant to decide what to do with this transaction; whether to pass it or not)

(b) **id** for you to authenticate the order id again and map it to the order transaction again.

(c) **ivm** the invoice number is returned as an MD5 hash as well for you to process if you need to.

(d) **qwh, afd, poi, uyt, ifd, agt** special browser-specific identifier variables returned from the iPay system.

Please note that the most important variables are (a) - (c)

**** NOTE ****: It would be advisable to make sure that you can authenticate the incoming server address using your scripting language as an added security measure. Once your clients are signed on, we can assist you with this aspect should the need arise.

If you are using the website referrer to authenticate the incoming iPay transaction verification then, there is a bug we have noticed with IE 6 – 8 and are offering a workaround here. IE does not send the referrer at all. But on request we can give you a workaround for this challenge.

Merchant Account Setup: Administrative Requirements

1. We would need to sign a contractual agreement with your merchant(s).

2. Initial set up costs depend on the size of your merchants. They start **from** a one time fee of KSh 4,640/- inclusive of VAT.

3. The commission rate is charged at the following rates:

Transaction Volumes per month	iPay Commission Rate
1 – 5,000	5.00%
> 5,000	Negotiated rate

4. For a more detailed explanation, please download the sample contract document here:

[click here](#)

3. Artwork for the form pages:

You can obtain the M-PESA, Zap and iPay artwork logos to use on your website shopping cart's online iPay forms by **[clicking here](#)**