



API DOCUMENTATION

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Overview

Welcome to PayUmoney API Documentation. This section describes available PayUmoney APIs that power online transactions and lets you do more. Our API are organized around REST and return JSON in all the responses.

Authorization

In order to call our API, you may need to pass authentication in the form of authorization header provided to you. To pass the header you need to add HTTP header with name as 'Authorization' and value as the value provided to you. Every merchant has a unique authorization and will be used to authenticate our API, hence should not be shared with anyone. To know your Authorization header, contact techsupport@payumoney.com All API requests must be made over HTTPS. Calls made over plain HTTP will fail.

To post successfully on the production server, your merchant application should be approved and you should have the merchant key provided by PayUmoney.

HTTP Response Codes

We use conventional HTTP response codes to indicate success or failure of an API request. In general, codes in the 2xx range indicate success, codes in the 4xx range indicate an error that resulted from the provided information (e.g. a required parameter was missing etc.), and codes in the 5xx range indicate an error with PayUmoney's servers.

Error message	Description
200 OK	Everything worked as expected
400 Bad Request	Often missing a required parameter
401 Unauthorized	No valid API key provided
403 Forbidden	The current API does not have access to this method
402 Request Failed	Parameters were valid but request failed
404 Not Found	The requested item doesn't exist
500, 502, 503, 504 Server errors	Something went wrong on PayUmoney's end

API Reference

1. **Payment API:** This API is used to post a payment request on PayUmoney's server.

	Production Server	Test Server
API URL	https://secure.payu.in/_payment	https://test.payu.in/_payment

Type: **POST**

Authorization Header: **NOT REQUIRED**

Request Parameters:

Parameter	Required	Description/Value
key	Mandatory	Unique merchant key provided by PayUmoney
txnid	Mandatory	Transaction id from merchant's end
amount	Mandatory	Payment amount
productinfo	Mandatory	Product Description
firstname	Mandatory	(only alphabets a-z are allowed)
lastname	Optional	(only alphabets a-z are allowed)
address1	Optional	(Length of address1 and address2 must not more than 100 characters each and the allowed characters are only) A TO Z, a to z, 0 to 9, @, - (Minus), _ (Underscore), / (Backslash), (Space), (Dot)
address2	Optional	(allowed characters are same as for address1)
city	Optional	(allowed characters are same as for address1)
state	Optional	(allowed characters are same as for address1)
country	Optional	(allowed characters are same as for address1)
zipcode	Optional	Numeric value only
email	Mandatory	Customer's email Id
phone	Mandatory	mobile number or landline number (numeric value only)
udf1	Optional	user defined field 1
udf2	Optional	user defined field 2
udf3	Optional	user defined field 3
udf4	Optional	user defined field 4
udf5	Optional	user defined field 5
surl	Mandatory	Success URL where PayUmoney will redirect the customer after successful payment

furl	Mandatory	Failure URL where PayUmoney will redirect the customer after failed payment
hash(Checksum)	Mandatory	Hash or Checksum =sha512(key txnid amount productinfo firstname email udf1 udf2 udf3 udf4 udf5 salt) (SALT will be provided by PayUmoney)
service_provider	Mandatory	payu_paisa

Return Parameters:

Variable	Description
mode	'CC' for credit-card / 'DC' for Debit Card / 'NB' for net-banking String value. Limit 2 characters.
Status	success/failure String value. Limit 7 characters
key	Merchant key provided by PayUmoney Alphanumeric string value. Limit 5-9 characters
txnid	Merchant transaction id String value. Limit 30 characters
amount	Original amount sent by merchant String value. Limit 30 characters.
productinfo	<Self-Explanatory> String value. Limit 100 characters.
firstname	<Self-Explanatory> String value. Limit 20 characters.
lastname	<Self-Explanatory> String value. Limit 20 characters.
address1	<Self-Explanatory> String value. Limit 100 characters.
address2	<Self-Explanatory> String value. Limit 100 characters.
city	<Self-Explanatory> String value. Limit 30 characters.
state	<Self-Explanatory> String value. Limit 30 characters.
country	<Self-Explanatory> String value. Limit 30 characters.
zipcode	<Self-Explanatory> String value. Limit 6 characters.
email	<Self-Explanatory> String value. Limit 50 characters.
phone	<Self-Explanatory> String value. Limit 11 characters.
udf1	<Self-Explanatory> String value. Limit 100 characters.

udf2	<Self-Explanatory> String value. Limit 100 characters.
udf3	<Self-Explanatory> String value. Limit 100 characters.
udf4	<Self-Explanatory> String value. Limit 100 characters.
udf5	<Self-Explanatory> String value. Limit 100 characters.
hash	Hash must be verified before confirmation of transaction. String value. Limit fixed 128 every time
error	If transaction failed, then reason of failure String value. Limit 4 characters
PG_TYPE	Payment Gateway type used in the transaction. String value. Limit 10 characters.
bank_ref_num	Reference number for the payment gateway String value. Limit 20 characters.
payumoneyId	Unique payment ID. To be used as the reference number and for mapping with the transaction id at your end. String value. Incremental value. Generally 8-9 characters
additionalCharges	This is an optional return param that will be posted from our end if your PayUmoney account is on convenience fee model

Note: Please refer integration document for hash (checksum) calculation and detailed errors.

- 2. Get Payment Response API:** This API can be used by the merchant to get the payment details of transaction(s) with PayUmoney.

	Production Server	Test Server
API URL	https://www.payumoney.com/payments/op/getPaymentResponse?	https://test.payumoney.com/payments/op/getPaymentResponse?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
merchantKey	Mandatory	Merchant key provided by PayUmoney
merchantTransactionIds	Optional	Transaction Id of the transaction, provided by the merchant (One merchant transaction Id Or Pipe separated merchantTransactionIds)
fromDate	Optional	Date (dd-mm-yyyy)
toDate	Optional	Date (dd-mm-yyyy)

Count	Optional	Number of payments to fetch
-------	----------	-----------------------------

Note:

- You can send one or multiple merchantTransactionIds in one API call.
- fromDate and toDate both should be posted, if date parameter is used.
- Any one of the three (merchantTransactionIds, Date, Count) optional parameters is mandatory.

Example Request:

<https://www.payumoney.com/payment/op/getPaymentResponse?merchantKey=xbch78J&merchantTransactionIds=100123abc>

Example Response:

```
{
  status: 0
  message: "All txnIds are valid"
  result: [
    {
      merchantTransactionId: "100123abc"
      postBackParam: {
        postBackParamId: 39364644
        mihpayid: "383329052"
        paymentId: 58245285
        mode: "CC"
        status: "failure"
        unmappedstatus: "failed"
        key: " xbch78J"
        txnid: "100123abc"
        amount: "10.0"
        additionalCharges: ""
        addedon: "2015-07-27 18:11:36"
        createdOn: 1438000984000
        productinfo: "xxssd"
        firstname: "Test"
        lastname: ""
        address1: ""
        address2: ""
        city: ""
        state: ""
        country: ""
        zipcode: ""
        email: "testacc0990@gmail.com"
        phone: "9876543210"
        udf1: ""
        udf2: ""
        udf3: ""
        udf4: ""
        udf5: ""
        udf6: ""
        udf7: ""
        udf8: ""
        udf9: ""
        udf10: ""
      }
    }
  ]
}
```

```

hash:
"ab24220a59d93146c3f167197fef3ca8ebdc3c77f50fd68ef4a712ace5e5b0fb04e2d9a642bc
68dd3d48ea7a2190a8b9390f285c3b9467c01fa3aaec3a6d1539"
field1: ""
field2: ""
field3: ""
field4: ""
field5: ""
field6: ""
field7: ""
field8: "Operation timed out after 60000 milliseconds with 0 bytes received"
field9: "Payment gateway failed, If your Card was charged, your money will be
refunded"
bank_ref_num: ""
bankcode: "CC"
error: "E214"
error_Message: "The Bank servers are unreachable over the network"
cardToken: ""
offer_key: ""
offer_type: ""
offer_availed: ""
pg_ref_no: ""
offer_failure_reason: ""
name_on_card: "payu"
cardnum: "512345XXXXXX2346"
cardhash: "This field is no longer supported in postback params."
card_type: ""
version: ""
postUrl: "http://localhost/success.php"
calledStatus: false
additional_param: ""
amount_split:>{"PAYU": "10.0"}"
discount: "0.00"
net_amount_debit: "0.00"
fetchAPI: null
paisa_mecode: ""
meCode:>{"mpid": "458791000001454"}"
payuMoneyId: "58245285"
pg_TYPE: "UBIPG"
}
},
errorCode: null
}

```

- 3. Check Transaction Status API:** This API can be used by the merchant to reconcile/get update status of transaction(s) with PayUmoney.

	Production Server	Test Server
API URL	https://www.payumoney.com/payment/payment/chkMerchantTxnStatus?	https://test.payumoney.com/payment/payment/chkMerchantTxnStatus?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
merchantKey	Mandatory	Merchant key provided by PayUmoney
merchantTransactionIds	Mandatory	Transaction Id of the transaction, provided by the merchant (One merchant transaction Id Or Pipe separated merchantTransactionIds)

Note: You can send a maximum of 50 merchantTransactionIds in one API call.

Example Request:

<https://www.payumoney.com/payment/payment/chkMerchantTxnStatus?merchantKey=JBZaLc&merchantTransactionIds=1>

Example Response:

```
{
  status: 0
  message: "All txnIds are valid"
  result: [
    { "merchantTransactionId" : "100123abc"
      "paymentId" : "456789"
      "status" : "Money With PayU Paisa"
      "amount" : "1235.55"
    }
    { "merchantTransactionId" : "100124abc"
      "paymentId" : "456790"
      "status" : "Bounced"
      "amount" : "125.0"
    }
    { "merchantTransactionId" : "100125abc"
      "paymentId" : "456789"
      "status" : "Completed"
      "amount" : "1000.05"
    }
  ],
  errorCode: null
}
```

4. **Refund API:** This API can be used by the merchant to initiate a partial or full refund for any successful transaction.

	Production Server	Test Server
API URL	https://www.payumoney.com/payment/merchant/refundPayment?	https://test.payumoney.com/payment/merchant/refundPayment?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
merchantKey	Mandatory	Merchant key provided by PayUmoney
paymentId	Mandatory	PayUmoney's payment Id of the transaction
refundAmount	Mandatory	The amount that is to be refunded to the customer

Example Request:

<https://www.payumoney.com/payment/merchant/refundPayment?merchantKey=7wjavX&paymentId=1110611406&refundAmount=5>

Example Response:

```
{
  "status": 0,
  "rows": 0,
  "message": "Refund Initiated",
  "result": 13744,
  "guid": null,
  "sessionId": null,
  "errorCode": null
}
```

Note: 'result' in the response of Refund API is refund Id for the refund.

- 5. Get Refund Details API 1:** This API can be used by the merchant to reconcile/get updated status of a refund fired on PayUmoney.
It returns details of all the refunds fired on a particular transaction.

	Production Server	Test Server
API URL	https://www.payumoney.com/treasury/ext/merchant/getRefundDetailsByPayment?	https://test.payumoney.com/treasury/ext/merchant/getRefundDetailsByPayment?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
merchantKey	Mandatory	Merchant key provided by PayUmoney
paymentId	Mandatory	PayUmoney's payment Id of the transaction

Example Request:

<https://www.payumoney.com/treasury/ext/merchant/getRefundDetailsByPayment?paymentId=752023&merchantKey=OHGtBjdW>

Example Response:

```
{
  "status": 0,
  "rows": 0,
  "message": "Refund Details : ",
  "result":
  {
    "PaymentId": "752023",
    "Total Amount": "50.0",
    "Amount Left": "0.0",
    "Refund Details Map":
    "[{RefundId=185073,
    Refund Amount=10.0,
    Refund Completed On=2016-02-09 16:40:06.0,
    Refund Status=completed,
    Refund Created On=2016-02-09 16:37:52.0},
    {RefundId=185074,
    Refund Amount=10.0,
    Refund Completed On=2016-02-09 17:11:22.0,
    Refund Status=completed,
    Refund Created On=2016-02-09 16:41:09.0},
    {RefundId=185076,
    Refund Amount=30.0,
    Refund Completed On=null,
    Refund Status=ready,
    Refund Created On=2016-02-09 17:18:42.0}]"
  },
  "guid": null,
  "sessionId": null,
  "errorCode": null
}
```

- 6. Get Refund Details API 2:** This API can be used by the merchant to reconcile/get updated status of a refund fired on PayUmoney. It returns details of a particular refund.

	Production Server	Test Server
API URL	https://www.payumoney.com/treasury/ext/merchant/getRefundDetails?	https://test.payumoney.com/treasury/ext/merchant/getRefundDetails?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
merchantKey	Mandatory	Merchant key provided by PayUmoney
refundId	Mandatory	PayUmoney's refund Id of the refund

Example Request:

<http://payumoney.com/treasury/ext/merchant/getRefundDetails?refundId=185073&merchantKey=OHGtBjdW>

Example Response:

```
{
  "status": 0,
  "rows": 0,
  "message": "Refund Details : ",
  "result":
  {
    "RefundId": "185073",
    "Refund Amount": "10.0",
    "Total Amount": "50.0",
    "Refund Completed On": "2016-02-09 16:40:06.0",
    "Refund Status": "completed",
    "Refund Created On": "2016-02-09 16:37:52.0",
    "PaymentId": "752023"
  },
  "guid": null,
  "sessionId": null,
  "errorCode": null
}
```

- 7. Email Invoice API:** This API can be used by the merchants to send an email invoice to their customers for collecting payments through PayUmoney.

A merchant can use this API to:

- Send an email invoice(PayUmoney system generated) to the customer
- Get a payment link in response to the API and send the link to customer by themselves

	Production Server	Test Server
API URL	https://www.payumoney.com/payment/payment/addInvoiceMerchantAPI?	https://test.payumoney.com/payment/payment/addInvoiceMerchantAPI?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
customerEmail	Mandatory	Customer Email Id
customerPhone	Mandatory	Mobile number of the customer (just 10 digits of the number should be sent)
customerName	Mandatory	Name of the customer (numbers, alphabets, space and hyphen are allowed characters)
amount	Mandatory	Amount of the payment (Positive amount, upto 2 decimal places)
paymentDescription	Mandatory	A brief description for the customer to identify the payment (numbers, alphabets, space and hyphen are allowed characters)
transactionId	Optional	Transaction or order reference Id (numbers, alphabets, space and hyphen are allowed characters)
sendEmail	Optional	Whether email should be sent by PayUmoney or not (0-PayUmoney will not send email to customer 1- PayUmoney will send email to customer)
expiryTime	Optional	Date when the link should be expired (YYYY-MM-DD format)

Note:

- If sendEmail is not sent in the request, the default behaviour will be equivalent to that of sendEmail=0 i.e. PayUmoney will return a Payment URL but email to customer will not be sent.
- The default expiryTime is set to T+7 days where T is the date of invoice (or payment link) generation.

Example response:

```

status:(0:success,-1:error)
result: {
  "paymentURL" :
  "https://www.payumoney.com/payments/#/user/409F482770B32693BCC7B3B1CC7654D1"
  "paymentId" : "456789"
  "txnId" : "SJ9875638BQ"
  "amount" : "1235.55"
  "emailSent" : "0"
  "customerName" : "Sharad"
  "customerEmail" : "email@gmail.com"
}

```

8. **SMS Invoice API:** This API can be used by the merchants to send a SMS invoice to their customers for collecting payments through PayUmoney.

	Production Server	Test Server
API URL	https://www.payumoney.com/payment/payment/smsInvoice?	http://test.payumoney.com/payment/payment/smsInvoice?

Type: **POST**

Authorization Header: **REQUIRED**

Parameter	Required	Description
customerName	Mandatory	Name of the customer (numbers, alphabets, space and hyphen are allowed characters)
customerobileNumber	Mandatory	Mobile number of the customer (just 10 digits of the number should be sent)
amount	Mandatory	Amount of the payment (Positive amount, upto 2 decimal places)
description	Mandatory	A brief description for the customer to identify the payment (numbers, alphabets, space and hyphen are allowed characters)
referenceId	Optional	Transaction or order reference Id (numbers, alphabets, space and hyphen are allowed characters)
confirmSMSPhone	Optional	Mobile number for sending additional confirmation SMS notification (just 10 digits of the number should be sent)

Example Response:

```

status:(0:success, -1: failure)
message : ("SMS Sent", " SMS not Sent")

```

****For any queries contact us at techsupport@payumoney.com***