

MH API Specification

Trustflowpay
Version 0.1

Version	Date	Description
0.1	Dec-2023	MH API Integration Document

S. No.	API	Description
1.	Checkout API	Checkout API
2.	P2P Deposit	P2P Deposit
3.	Status Enquiry	To get status of the transaction
4.	Webhook	Callback initiated to merchant URL

Environment	
UAT	https://sandbox.trustflowpay.com
PROD	https://secure.trustflowpay.com

1. Checkout API

Create an order form with mentioned below parameters. Once form has been created and submitted then user will be redirected accordingly.

To maximize conversion, trustflowpay recommends that you redirect customers to the payment gateway in same browser window.

Amount format is in the least parts without decimals like USD 1.00 will be written as 100.

Endpoint: /pgui/jsp/merchantpay

S No.	Parameter Name	Data Type	Mandatory
1	APP_ID	Numeric	Yes
2	MERCHANTNAME	Alphanumeric	No
3	ORDER_ID	Alphanumeric	Yes
4	TXNTYPE	Alphabet	Yes
5	CUST_NAME	Alphabet	No
6	CUST_FIRST_NAME	Alphabet	Yes
7	CUST_LAST_NAME	Alphabet	Yes
8	CUST_STREET_ADDRESS1	Alphanumeric	No
9	CUST_CITY	Alphabet	Yes
10	CUST_STATE	Alphabet	Yes
11	CUST_COUNTRY	Alphabet	Yes
12	CUST_ZIP	Numeric	Yes
13	CUST_PHONE	Numeric	Yes
14	CUST_EMAIL	Alphanumeric	Yes
15	PRODUCT_DESC	Alphanumeric	No
16	AMOUNT	Numeric	Yes
17	RETURN_URL	URL	Yes
18	HASH	Alphanumeric	Yes
19	CUST_SHIP_FIRST_NAME	Alphabet	No
20	CUST_SHIP_LAST_NAME	Alphabet	No
21	CUST_SHIP_EMAIL	Alphanumeric	No
22	CUST_SHIP_STREET_ADDRESS1	Alphanumeric	No
23	CUST_SHIP_STREET_ADDRESS2	Alphanumeric	No
24	CUST_SHIP_CITY	Alphabet	No
25	CUST_SHIP_STATE	Alphabet	No
26	CUST_SHIP_COUNTRY	Alphabet	No
27	CUST_SHIP_ZIP	Numeric	No
28	CUST_SHIP_PHONE	Numeric	No

29	PAYMENT_TYPE	Alphabet	Yes
30	CARD_NUMBER	Numeric	Yes
31	CARD_EXP_DT	Numeric	Yes
32	CVV	Numeric	Yes
33	BROWSER_USER_AGENT	Alphanumeric	No
34	BROWSER_LANGUAGE	Alphanumeric	No
35	BROWSER_JAVA_ENABLED	Alpha	No
36	BROWSER_COLOR_DEPTH	Numeric	No
37	BROWSER_SCREEN_HEIGHT	Numeric	No
38	BROWSER_SCREEN_WIDTH	Numeric	No
39	BROWSER_TZ	Numeric	No
40	BROWSER_ACCEPT_HEADER	Alphanumeric	No

- **HASH** generation mechanism is shared in document (**Appendix.pdf**).
- **ORDER_ID** must be the one Merchant used while initiating the transaction
- **CURRENCY_CODE** must be the one Merchant used while initiating the transaction
- **TXNTYPE** must be **SALE**
- **AMOUNT** must not be in decimal i.e. USD 1.20 should always be mentioned as 120.
- All requests expect amounts to be provided in a currency's smallest unit (Minor Units). For example, to charge 10.00 USD, provide an amount value of 1000 (that is, 1000 cents).
- Match the response hash that is present in the response against the merchant application calculated hash value using the response params. In case the merchant hash does not match that transaction must not be considered a successful transaction.

NOTE: PLEASE DO NOT RELY ON ANY OTHER RESPONSE THAN RESPONSE_CODE + STATUS. ALL OTHER MESSAGES MAY CHANGE. ONLY RESPONSE_CODE = 000 + STATUS = 'Captured' = SUCCESSFUL TRANSACTION. REST ANY OF THE COMBINATIONS LIKE RESPONSE_CODE =000 + STATUS = Enrolled/PENDING DOES NOT MEAN ITS SUCCESS.

ITS MANDATORY TO IMPLEMENT STATUS ENQUIRY BECAUSE IN CASES WHEN THERE IS NO RESPONSE THROUGH CALLBACK OR RETURN URL DUE TO ANY EXCEPTIONS OR NETWORK ERROR STATUS API CAN HELP GET THE FINAL STATUS OF THE TRANSACTION.

Test Details

Card Number	CVV	Expiry	Pin	Mode	Scheme
4111110000000211	123	12-2030	111111	3DS	Visa
4111110000000021	123	12-2030	111111	2DS	Visa
5100000000000511	123	12-2030	111111	3DS	Master Card
5100000000000321	123	12-2030	111111	2DS	Master Card
3550998650131033	123	12-2030	111111	3DS	JCB
3566000020000410	123	12-2030	111111	2DS	JCB

**** Please ask support to enable non-3DS before trying 2D Card**

2. P2P Deposit

a. China

- Endpoint: /pgui/jsp/merchantpay

S No.	Parameter Name	Data Type	Mandatory
1	APP_ID	Numeric	YES
2	ORDER_ID	Alphanumeric	YES
3	RETURN_URL	URL	YES
4	HASH	Alphanumeric	YES
5	MERCHANT_PAYMENT_TYPE	Alphabet	YES
6	CUST_FIRST_NAME	Alphabet	YES
7	CUST_LAST_NAME	Alphabet	YES
8	CUST_STREET_ADDRESS1	Alphanumeric	YES
9	CUST_CITY	Alphabet	YES
10	CUST_STATE	Alphabet	YES
11	CUST_COUNTRY	Alphabet	YES
12	CUST_ZIP	Numeric	YES
13	CUST_PHONE	Numeric	YES
14	CUST_EMAIL	Alphanumeric	YES
15	CUST_SHIP_FIRST_NAME	Alphabet	NO
16	CUST_SHIP_LAST_NAME	Alphabet	NO
17	CUST_SHIP_EMAIL	Alphanumeric	NO
18	CUST_SHIP_STREET_ADDRESS1	Alphanumeric	NO
19	CUST_SHIP_STREET_ADDRESS2	Alphanumeric	NO
20	CUST_SHIP_CITY	Alphabet	NO
21	CUST_SHIP_STATE	Alphabet	NO
22	CUST_SHIP_COUNTRY	Alphabet	NO
23	CUST_SHIP_ZIP	Numeric	NO
24	CUST_SHIP_PHONE	Numeric	NO
25	AMOUNT	Numeric	YES
26	CURRENCY_CODE	Numeric	YES
27	TXNTYPE	Alphabet	YES
28	PRODUCT_DESC	Alphanumeric	NO

Note: Please use Chinese char in CUST_FIRST_NAME and CUST_LAST_NAME

b. India

- Endpoint: /pgui/jsp/merchantpay

S No.	Parameter Name	Data Type	Mandatory
1	APP_ID	Numeric	YES
2	ORDER_ID	Alphanumeric	YES
3	RETURN_URL	URL	YES
4	HASH	Alphanumeric	YES
5	BANK_ACCOUNT_NUMBER	Alphanumeric	No
6	MERCHANT_PAYMENT_TYPE	Alphabet	YES
7	CUST_FIRST_NAME	Alphabet	YES
8	CUST_LAST_NAME	Alphabet	YES
9	CUST_STREET_ADDRESS1	Alphanumeric	YES
10	CUST_CITY	Alphabet	YES
11	CUST_STATE	Alphabet	YES
12	CUST_COUNTRY	Alphabet	YES
13	CUST_ZIP	Numeric	YES
14	CUST_PHONE	Numeric	YES
15	CUST_EMAIL	Alphanumeric	YES
16	CUST_SHIP_FIRST_NAME	Alphabet	NO
17	CUST_SHIP_LAST_NAME	Alphabet	NO
18	CUST_SHIP_EMAIL	Alphanumeric	NO
19	CUST_SHIP_STREET_ADDRESS1	Alphanumeric	NO
20	CUST_SHIP_STREET_ADDRESS2	Alphanumeric	NO
21	CUST_SHIP_CITY	Alphabet	NO
22	CUST_SHIP_STATE	Alphabet	NO
23	CUST_SHIP_COUNTRY	Alphabet	NO
24	CUST_SHIP_ZIP	Numeric	NO
25	CUST_SHIP_PHONE	Numeric	NO
26	AMOUNT	Numeric	YES
27	CURRENCY_CODE	Numeric	YES
28	TXNTYPE	Alphabet	YES
29	PRODUCT_DESC	Alphanumeric	NO

Note: For UPI, please send MERCHANT_PAYMENT_TYPE = UP

Test Details

Bank Account Number	Response	Final Status
14139410000301234	Enrolled	Failed
14139410000301234	Enrolled	Captured

Postcode	Response	Final Status	Final Method
456000	Rejected/Failed	n/a	Netbanking/UPI/Debit Card
456001	Enrolled	Captured	Netbanking
456002	Enrolled	Failed	Netbanking
456004	Enrolled	Captured	UPI
456005	Enrolled	Failed	UPI
456007	Enrolled	Captured	Debit Card
456008	Enrolled	Failed	Debit Card

Note: Please use valid ZIP code in production

3. Status Enquiry

Initiate the request to get the status of any transaction, being initiated with trustflowpay. It is mandatory to implement status enquiry because in cases when there is no response through callback or return URL due to any exceptions or network error. Status API can help to get the final status of the transaction.

- **Endpoint:** `/pgui/services/paymentServices/transactionStatus`

S No.	Parameter Name	Data Type	Mandatory
1	APP_ID	Numeric	Yes
2	TXN_ID	Numeric	Yes
3	ORDER_ID	AlphaNumeric	No
4	CURRENCY_CODE	Numeric	Yes
5	AMOUNT	Numeric	Yes
6	HASH	AlphaNumeric	Yes

- Request must be as JSON based REST API (HTTP POST).
- **AMOUNT** must not be in decimal.
- **HASH** generation mechanism is shared in document (**Appendix.pdf**).
- **ORDER_ID** must be the one Merchant used while initiating the transaction.
- **CURRENCY_CODE** must be the one Merchant used while initiating the transaction.
- **TXN_ID** must be the one Merchant received in response from trustflowpay.
- It is recommended to check the combination of status and response code received in response.

Response Code: (000) + Status: (Captured) = Successfully Captured

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4. Webhook / Callback

Trustflowpay system trigger's a webhook as soon as there's an update in the status of transaction, in order to get webhooks from trustflowpay, merchant need to provide an URL at the time of Integration to trustflowpay on which the merchant will keep on receiving JSON based callbacks.

Sample webhook URL Endpoint: <https://www.merchant.com/trustflowpay/webhook>

- Webhook Sample

```
{
  "BILLING_CUST_NAME": "John Snow",
  "RESPONSE_DATE_TIME": "2023-01-16 21:57:32",
  "RESPONSE_CODE": "000",
  "CUST_PHONE": "2251455289",
  "CURRENCY_CODE": "840",
  "CURRENCY_CODE_ALPHA": "USD",
  "STATUS": "Captured",
  "PRODUCT_DESC": "840",
  "CUST_STREET_ADDRESS1": "House 123",
  "CUST_CITY": "Birmingham",
  "AMOUNT": "1000",
  "RESPONSE_MESSAGE": "SUCCESS",
  "MERCHANT_COUNTRY": "US",
  "CUST_EMAIL": "test@test.com",
  "CUST_ZIP": "20015",
  "AMOUNT_DECIMAL": "10.00",
  "APP_ID": "1000221129001154",
  "TXN_ID": "1001230116215646",
  "MERCHANT_BUSINESS_NAME": "Mark One",
  "TXNTYPE": "NEWORDER",
  "CUST_COUNTRY": "US",
  "DUPLICATE_YN": "N",
  "HASH":
  "494440FFB25A0B9C3008A37F8D9F072AE5F5B7828EE757F4FA290CF5157B3C23494440FFB25A0B9C3008A37F8D
  9F072AE5F5B7828EE757F4FA290CF5157B3C23",
  "RETURN_URL": "https://www.merchant.com/pgui/jsp/response.jsp",
  "ORDER_ID": "SIGN1673886404099",
  "MERCHANT_MOBILE_NO": "7711440843",
  "CUST_NAME": "John Snow"
}
```

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Refer to document “[Appendix Payin Integration v0.1.pdf](#)” for following:

- Response Codes
- Bank Codes
- Payment methods
- Mop Types
- Currency Codes
- Country Codes
- Hash Generation Mechanism
- Fields Description