

INTOUCH GROUP

DIRECTION TECHNIQUE



Subject of the document

Documentation Orange money Merchant Payment English version

INFORMATION ABOUT THHE DOCUMENT			
Version	Date	Changes	Author
0.0.01	24/01/2022	N/A	Intouch

The following API allows you to start an Orange Money payment request.

The payload must be in the JSON format, as described below.

REQUEST

- **METHOD** : PUT
- **URL**
[:https://api.gutouch.com/dist/api/touchpayapi/v1/agency_code/transaction?loginAgent=XXX&passwordAgent=XXX](https://api.gutouch.com/dist/api/touchpayapi/v1/agency_code/transaction?loginAgent=XXX&passwordAgent=XXX)

At the URL you have these fields

- **agency_code** : Distributor ID provided by Intouch
- **LoginAgent** : ID assigned to the partner
- **passwordAgent** : password assigned to the partner

AUTHENTICATION

- **TYPE** : Digest
- **Login** : The partner loginAgent (provided by Intouch)
- **Password** : The passwordAgent (provided by Intouch)

BODY

```
{  
  "idFromClient": "47854111126445654654",  
  "additionnalInfos": {  
    "recipientEmail": "mamadou.diouf@intouchgroup.net",  
    "recipientFirstName": "Mamadou",  
    "recipientLastName": "DIOUF",  
    "destinataire": "0802243521",  
    "otp": "5654"  
  },  
  "amount": 100,  
  "callback": "https://your\_callback\_url",  
  "recipientNumber": "0802243521",  
  "serviceCode": "PAIEMENTMARCHANDOMPAYCIDIRECT"  
}
```

In terms of elements in the JSON:

- partner_id : pixi code provided by Intouch
- idFromClient : unique identifier
- recipientEmail : customer's email
- recipientFirstName : customer's first name
- recipientLastName : customer's last name
- amount : transaction amount
- Callback_url : partner's callback url
- recipientNumber = destinataire : customer's phone number
- otp : the customer has to dial #144*82#, then his secret code to generate a temporary access code
- serviceCode : ID of the service provided by Intouch

EXAMPLE

The screenshot displays a REST client interface with a PUT request to `https://dev-api.rec-gutouch.com/dist/api/touchpayapi/v1/CELCI0046/trans` and a successful 200 OK response. The request body is a JSON object containing client and recipient information. The response body is a JSON object containing transaction details and status.

Request:

```
PUT https://dev-api.rec-gutouch.com/dist/api/touchpayapi/v1/CELCI0046/trans
Send 200 OK 2.81 s 301 B Just Now
```

Request Body (JSON):

```
1 {
2   "idFromClient": "4785411452141SD12115654654",
3   "additionnalInfos": {
4     "recipientEmail": "mamadou.diouf@intouchgroup.net",
5     "recipientFirstName": "Mamadou",
6     "recipientLastName": "DIOUF",
7     "destinataire": "0709943521",
8     "otp": "7822"
9   },
10  "amount": 120,
11  "callback": "https://e870adf3.ngrok.io",
12  "recipientNumber": "0709943521",
13  "serviceCode": "PAIEMENTMARCHANDOMPAYCIDIRECT"
14 }
```

Response Body (JSON):

```
1 {
2   "idFromClient": "4785411452141SD12115654654",
3   "idFromGU": "1643022917309",
4   "amount": 120.0,
5   "fees": 2.4,
6   "serviceCode": "PAIEMENTMARCHANDOMPAYCIDIRECT",
7   "recipientNumber": "0709943521",
8   "dateTime": 1643022917309,
9   "status": "SUCCESSFUL",
10  "numTransaction": "MP220124.1115.B86122",
11  "payment_url": null,
12  "codeMarchand": null
13 }
```

RESPONSE BODY

```
{
  "idFromClient": "4785411452141SD12115654654",
  "idFromGU": "1643022917309",
  "amount": 120.0,
  "fees": 2.4,
  "serviceCode": "PAIEMENTMARCHANDOMPAYCIDIRECT",
  "recipientNumber": "0709943521",
  "dateTime": 1643022917309,
  "status": "SUCCESSFUL",
  "numTransaction": "MP220124.1115.B86122",
  "payment_url": null,
  "codeMarchand": null
}
```

Description of the elements in the JSON

- **idFromClient**: Your unique ID transaction
- **amount**: transaction amount
- **fees**: transaction fees
- **serviceCode**: the partner service using in our side (PAIEMENTMARCHANDOMPAYCIDIRECT in this case)
- **recipientNumber**: customer's phone number
- **dateTime**: transaction date (in datetime format)
- **status** : transaction status,
- **numTransaction**: transaction on the partner side (Orange Money)

When the http response code is 200, you will receive the following values in the status field

- **PENDING** or **INITIATED** : the transaction is initiated in our system, you will receive the final status in the callback (asynchronous)
- **SUCCESSFUL** : the transaction is initiated and validated in our system (synchronous)

ERROR CODE

HTTP status code

- 401 Unauthorized
- 403 Forbidden
- 400 Bad request
- 404 Not Found

API Response

- Status : « FAILED »

EXAMPLE

The screenshot shows a REST client interface with a PUT request to `https://dev-api.rec-gutouch.com/dist/api/touchpayapi/v1/CELCI0046/trans`. The request body is a JSON object with fields like `idFromClient`, `recipientEmail`, `recipientFirstName`, `recipientLastName`, `destinataire`, `otp`, `amount`, `callback`, `recipientNumber`, and `serviceCode`. The response is a 401 Unauthorized status with a message: "(401) The agent is not authorized to initiate a transaction of the service".

When the http response code is 300 also you have to consider the transaction **FAILED**.

EXAMPLE

The screenshot shows a REST client interface with a PUT request to `https://api.gutouch.com/dist/api/touchpayapi/v1/CIINT0005/transaction?l`. The request body is the same JSON object as in the previous example. The response is a 300 Multiple Choices status with a message: "(505) Code incorrect.Votre paiement n'a pas été pris en compte."

CAUTION: A transaction whose response is not supported in this document must be saved in your system with a special status for manual reconciliation.

The client whose response status to the request is «PENDING or INITIATED » will receive the final status of the transaction via the `callback_url`.

CALLBACK OPERATION

Successful exit from the payment tunnel does not mean that the payment is complete and received. Indeed, some payments are asynchronous and end outside the payment tunnel. An endpoint url to receive notification of the end of the payment is required. The final result of a transaction (failure or success) will then be sent to the client by this endpoint. It must meet some specifications.

- POST method (application/json).
- The method must not include authentication (Basic, Bearer, etc...).
- The expected body of callback request will look like this:

```
{
"service_id": "PAIEMENTMARCHANDOMPAYCIDIRECT",
"gu_transaction_id": "1643022917309",
"status": "SUCCESSFUL",
"partner_transaction_id": "MP220124.1115.B86122",
"call_back_url": "https://your\_callback\_url",
"commission": 0.0,
"message": ""
}
```

The different statuses of a transaction received on a callback are :

1. **SUCCESSFUL** : This status designates a successful and closed transaction at Touch level.
2. **FAILED**: This status designates a failed and closed transaction at the Touch level. Once a transaction is closed after a failure or success, its status changes to "Finished".
TouchpayAPI returns a callback with the final status via Callback

WARNING : a transaction whose response is not supported in this document must be saved in your system with a particular status for manual reconciliation