



# MisterPay Specification

## Release 2.01

Last Updated: February 12, 2021  
Creation Date: May 04, 2018

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# MisterPay Specification

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## Introduction

The MisterPay provides a flexible and easy to use interface for processing transactions with the MisterPay system. Through one interface, a merchant can perform credit card, debit card, ACH, electronic money, self-service cash terminal and mobile transactions across multiple industries and countries.

This document is for merchants or third-party developers who will be generating their payment requests to MisterPay. This document does assume that the reader is familiar with JSON generation and parsing, using the https protocol, and the rudiments of credit card processing.

You will be assigned a ProcessingID, MisterPay key (or UserID) and Secret key that you will use for testing and in production. You will also be required to supply an Order, Customer and Cart details for each transaction. Please verify that each transaction is sent with the all of the necessary data elements required by the card issuer. Response codes should be reviewed to verify that your system interprets and handles the response codes correctly.

<p><b>Note:</b> All XML examples are purely EXAMPLES ONLY. Please DO NOT copy examples for coding purposes.</p>
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**Disclaimer:** The information in this guide is current as of the date of printing. However, card acceptance and processing procedures are subject to change. MisterPay is not responsible for your use of the information contained in this guide, including errors, omissions, inaccuracy or non-timeliness of any kind. MisterPay will publish updates as needed.

Any questions or problems with this document should be sent to:

- MisterPay at email address: [support@misterpay.com](mailto:support@misterpay.com)



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## Change Control

Date	Version	Description
02/12/2021	2.01	SkipCheckout parameter added to Direct Sale method
02/11/2021	2.00	Subscription Billing section added.
02/04/2021	1.52	The LANG parameter added to all requests
09/12/2020	1.51	Callback parameter changed from Address => Address to Address => FullAddress. The invoice parameter CustomMerchantInfo added
07/31/2020	1.50	Report request added
06/02/2020	1.39	Renumerating sections
05/21/2020	1.38	Create & Update Invoice requests updated ForceAuthorization option added
04/27/2020	1.37	Sale Redirect PHP & JS examples added
10/21/2019	1.36	Sale token request updated ForceAuthorization option added
07/29/2019	1.35	A2C account balance request added
07/03/2019	1.34	A2C transfer added
06/25/2019	1.33	CardToken payment option added
05/17/2019	1.32	AllowedProcessings array added to Sale/Redirect, Create/Invoice and Update/Invoice requests
05/09/2019	1.31	Create/Update invoice requests updated
04/24/2019	1.30	Create & Update INVOICE request added
04/15/2019	1.22	Redirect Sale request added
03/03/2019	1.21	OCT request updated
30/01/2019	1.20	Authorization request added
12/12/2018	1.10	OCT requests added
05/04/2018	1.00	Sale request example updated

## 1. Communicating with MisterPay

The JSON is sent to MisterPay inside of an HTTPS POST message. Each post can contain only one message. The JSON itself must contain only valid UTF-8 characters. Transactions that use the non-ASCII portions of character sets such as ISO-8859-1, ISO-8859-15 or Windows-1252 will be rejected. For best results, it is strongly recommended that merchants restrict themselves to using only the UTF-8-character set.

Our test server is signed with a DomainSSL certificate; DomainSSL has been part of every major vendor's SSL certificate pack for several years. For example, it has been part of Microsoft's trusted root CA's since XP Service pack 3.

To be able to resolve the certificate chain for our server certificate, our certificate is provided by COMODO CA Limited. We use the COMODO RSA Domain Validation Secure Server CA. If you navigate to <https://api.misterpay.com> via your web browser, the certificate details should be available there as well.

### 1.1 MisterPay URLs

The Internet connection to MisterPay can be found at the URL listed below.

<https://api.misterpay.com/api/payment>

Stress testing is not permitted over the Internet connections without the specific consent of Misterpay. Any entity discovered to be stress testing over the Internet without consent of MisterPay. will be categorized as a Denial of Service attacker and be prohibited from using the MisterPay system without notice.

These URL's are subject to change, please contact your account representative to get the current URL's before starting testing.

## 2. MisterPay Test Environment

The MisterPay Test Environment allows developers to simulate the submission and subsequent approval (or denial) of financial transactions. Merchants can system-test their financial transaction programs, building and submitting their MisterPay transactions in a safe environment. The Test Environment operates in a non-production environment; any transaction submitted to the Test Environment does not actually enter the world of live financial transactions. Using the Test Environment, merchants can debug their custom programs without worrying about bogus test transactions being processed as live transactions.

The Test Environment uses virtually the same MisterPay software as the production environment. Use the Test Environment with the knowledge that it will operate in the same manner as the production system. The minor differences between the Test Environment and the production system are:

- The back-end simulators.
- Enhancements being introduced for test purposes prior to deployment in production.

The Test Environment is disconnected from the financial institutions. Instead of communicating with financial institutions, the MisterPay Test Environment accesses a suite of back-end simulators that send artificial responses back to MisterPay, thereby simulating the connections with Visa, MasterCard, American Express, and numerous other financial organizations. Few organizations provide any system for simulating real-time responses for financial transactions, but the MisterPay Test Environment does.

Due to ongoing development, the newest MisterPay features will always appear on the Test Environment before their deployment into production. The Test Environment serves as the test bed for the newest features. By deploying new features on the Test Environment, this also allows MisterPay to rigorously test the backward compatibility of those enhancements prior to deployment.

The Test Environment has features that allow merchants to test both approved transactions and declined transactions. Methods for configuring such tests are explained in this document.

This document lists the various features of the Test Environment. This document assumes that the reader is capable of posting an JSON transaction to MisterPay. This document concentrates on relating the testing methodology available to developers through the Test Environment.

## 2.1. Connecting to the MisterPay Test Environment

For XML development, testing XML-generating software, or for testing applications, the Internet connection to the MisterPay Test Environment is at the following URL:

<https://api.misterpay.com/api/payment>

MisterPay prohibits stress testing over its Internet connections without explicit prior consent. Any entity discovered to be stress testing over the Internet without consent of MisterPay will be categorized as a Denial of Service operator and barred from using MisterPay URLs without notice.

## 2.2. Testing credentials (User ID, Secret KEY, Processing ID and card numbers).

The MisterPay Test Environment recognizes:

- **MisterPayKey (UserID)** = "03e5515f-7cd8-49ce-9284-5d78ff1390d9"
- **SecretKey** = "b6e6b617-88b0-4102-8f8f-704327fa6d9f"
- **ProcessingID** = 1
- **TemplateID** = 43
  
- **Successful payment**  
Card number – 5235-2329-9769-9603  
Expiration date – any MM/YY or MM/YYYY value  
CVV – any 3- or 4-digits value
  
- **Failed Payment**  
Card number – 5383-3226-0185-6622  
Expiration date – any MM/YY or MM/YYYY value  
CVV – any 3- or 4-digits value
  
- **Payment with RedirectGet method**  
Card number – 5200-1799-6623-7744  
Expiration date – any MM/YY or MM/YYYY value  
CVV – any 3- or 4-digits value
  
- **Payment with RedirectPost method**  
Card number – 5244-6163-6045-9976  
Expiration date – any MM/YY or MM/YYYY value  
CVV – any 3- or 4-digits value

## 3. General Examples

The following examples illustrate MisterPay transaction messages, showing a sample request message with a corresponding sample response message.

### 3.1. SALE transaction

A SALE transaction, MisterPay accepts the transaction block containing the Credit Card information, Operation mode, ProcessingID, Transaction Amount, Currency, Shopping Cart Items, Delivery and Customerdetails. Depending on PCI DSS compliance status you can choose IFRAME (payment with card details entering on the MisterPay) or DIRECT (payment with card details entering on the merchant side) implementation of SALE transaction below.

#### 3.1.1. SALE (IFRAME)

An IFRAME implementation of SALE transaction is a 'two-steps' operation, completing both Sale initial request and Credit Card Data Retrieval Information request using only a single submission.

##### 3.1.1.1. Request URL

<https://api.misterpay.com/api/payment/create>

##### 3.1.1.2. Initial transaction

A SALE INITIAL transaction, MisterPay accepts the JSON transaction block containing the encrypted block of UserID, Processing ID, Transaction Amount and Currency, Shopping Cart Items, Delivery and Customerdetails and responds back to the original sender with the IFRAME FORM (a credit card data retrieval form). MisterPay accepts transaction block containing credit card information, retrieves an authorization response from the card issuer, and responds back to the original sender with that resulting authorization information.

An IFRAME FORM should be shown to the Customer to request credit card number, expiration date and CVV to complete Sale transaction.

##### 3.1.1.4. Request parameters.

<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TransactionType</b>	Allowed value = 'Sale' .	Required
<b>ProcessingId</b>	A personal processingID generated after registration	Required
<b>OperationMode</b>	Allowed value = 'iframe'.	Required

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<b>TemplateId</b>	Preferred payment form template ID (Reserved for future use).	Optional
<b>Lang</b>	Language. Allowed format ISO-3 Three (3) capital characters!	Optional
<b>Amount</b>	Purchase price to be transacted, including taxes and fees. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
<b>Currency</b>	The currency type assumed for the amount. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Required
<b>AltAmount</b>	User-defined field to show to the customer specific Order Amount on Credit Card Form not allowed for direct authorization (KZT, for example). The actual processing amount should be sent as Amount value. Allowed value format = '0.00' Two (2) digits after decimal point!	Optional
<b>AltCurrency</b>	User-defined field to show to the customer specific Currency on Credit Card Form not allowed for direct authorization (KZT, for example). The actual processing currency should be sent as Currency value. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Optional
<b>MerchantInternalOrderId</b>	User-defined field, Customers Purchase Order number	Required
<b>MerchantInternalUserId</b>	User-defined field, Customers Unique Identification Number	Optional
<b>FirstName</b>	Customer First name	Optional
<b>LastName</b>	Customer Last name	Optional
<b>Email</b>	Customer Email address	Required
<b>Phone</b>	Customer Phone number	Optional
<b>Address</b>	Customer full Address (Number, Street name etc.)	Optional
<b>City</b>	Customer city	Optional
<b>Region</b>	Customer region name	Optional
<b>State</b>	Customer state name	Optional
<b>ZIP</b>	Customer ZIP code	Optional
<b>Zone</b>	Customer zone	Optional
<b>CountryIso</b>	Customer country. ISO-2 or ISO-3 format!	Required
<b>ConvertText</b>	Converts any text to Latin characters. (Reserved for future use).	Optional
<b>DynamicDescriptor</b>	The text that your customer sees on a bank account statement	Optional
<b>CustomMerchantInfo</b>	User-defined field, available for reporting purposes. MerchantCustomInfo will be added to RedirectURL and Callback response.	Optional

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<b>StatusUrl</b>	MisterPay will send the transaction result object to this page after purchase is complete. Value must start with 'http' or 'https'	Required
<b>ReturnUrl</b>	MisterPay will redirect Customer back to this page after purchase is complete. Value must start with 'http' or 'https'	Required
<b>IpAddress</b>	Customers IP address Allowed value format = '10.10.10.10'	Optional
<b>SendCallback</b>	Disable callback sending to StatusURL Allowed values = true/false	Optional
<b>CreateToken</b>	Requests a non-sensitive equivalent of card details Allowed values = true/false	Optional
<b>Products</b>	Shopping cart items array. Refer Section 3.1.1.5. Products Array Definition.	Optional

## 3.1.1.5. Products array parameters.

It is strongly recommended to include Shopping Cart Items, Discounts or Delivery price in a Product Array separately.

<b>ProductName</b>	User-defined Product Name.	Required
<b>ProductSku</b>	A unique product identificatory, like SCU.	Optional
<b>ImageUrl</b>	Product related Image URL path.	Optional
<b>ProductItemsNum</b>	Quantity.	Required
<b>ProductPrice</b>	Product price. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
<b>Tax</b>	Tax amount. Allowed fixed value = '0.00' Two (2) digits after decimal point! Allowed percentage value = '00'	Optional
<b>TaxType</b>	Tax type or percentage. Allowed values: fixed value = '1', percentage = '0'	Optional

## 3.1.1.6. Response parameters.

<b>PaymentToken</b>	A non-sensitive equivalent of credit card details
<b>PaymentTokenExpireDate</b>	Token expiration date
<b>HtmlIframeForm</b>	A unique URL to get Credit Card Form.
<b>RedirectUrl3DS</b>	A unique URL to get 3DS page using RedirectGet method.
<b>TransactionState</b>	Transaction states: Pending – Waiting for credit card details Processing – Waiting for 3DS confirmation page Approved – Payment successful Declined – Payment failed

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	Authorized – Payment amount was successfully blocked Refunded – Payment was refunded successfully Voided – Payment was reversed successfully
<b>TransactionStateCode</b>	Transaction state codes: Pending = 0 Processing = 3 Approved = 1 Declined = 2 Authorized = 4 Refunded = 5 Voided = 6
<b>TransactionId</b>	MisterPay transaction number
<b>ErrorCode</b>	Error Code
<b>ResponseMessage</b>	Definition of error

### 3.1.1.7. Redirect customer after payment.

<b>OrderId</b>	Equal to MerchantInternalPaymentId
<b>CustomMerchantInfo</b>	Equal to MerchantCustomInfo
<b>Result</b>	Transaction state (success, failed, processing)

**Redirect Response example**

```
http://www.site.com/return.php?
OrderId=12345&CustomMerchantInfo=Order%201bear&Result=success
```

### 3.1.1.8. Callback parameters.

<b>Payment {} array</b>	
<b>- OperationType</b>	Transaction types: Sale – Purchase transaction Token - Purchase using token Void – Reverse payment Refund – Refund payment Authorization – Block payment amount at credit card Capture – Capture authorized payment State – Transaction state Invoice – Issue invoice Report – Request transaction report Recurrent – Recurrent payment P2P – Payment to card
<b>- OperationTypeCode</b>	Transaction codes: Sale = 0 Token = 1 Void = 2 Refund = 3



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	<p>Authorization = 4            Capture = 5            State = 6            Invoice = 7            Report = 8            Recurrent = 9            P2P = 10</p>
- TransactionId	MisterPay transactionID
- PaymentSystemId	Equal to processingID
- TransactionDate	Date and time of transaction
- TerminalId	Bank terminalID
- BankOrderId	Bank transactionID
- Eci	Electronic commerce indicator
- Rrn	Reference Retrieval Number
- Signature	The signature is used to protect the data exchanged between your server with MisterPay server
- Status	<p>Payment status:</p> <p>Pending – Waiting for credit card details            Processing – Waiting for 3DS confirmation page            Approved – Successful payment            Declined – Payment failed            Authorized – Payment amount was successfully blocked            Refunded – Payment was refunded successfully            Voided – Payment was reversed successfully</p>
- StatusCode	<p>Transaction state codes:</p> <p>Pending = 0            Processing = 3            Approved = 1            Declined = 2            Authorized = 4            Refunded = 5            Voided = 6</p>
- ErrorCode	Error Code
- ErrorDescription	Definition of error
- IsRedirect3DS	3DS secure transaction (true/false)
<b>Order {} array</b>	
- OrderId	Equal to MerchantInternalPaymentId
- CustomInfo	Equal to MerchantCustomInfo
- Amount	Payment amount
- Currency	The currency type assumed for the amount
- AltAmount	User-defined field to show to the customer specific Order Amount on Credit Card Form not allowed for direct authorization (KZT, for example)
- AltCurrency	User-defined field to show to the customer specific Currency on Credit Card Form not allowed for direct authorization (KZT, for example)
- Fee	Fee amount
- CreditAmount	Transaction amount subtract a fee

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<b>Card {} array</b>	
- NameOnCard	Name on card
- CardBin	Card bank identification number
- CardBrand	Credit card brand name
- CardType	Credit card type (debit, credit etc.)
- CardLevel	Credit card type (customer, business etc.)
- CardBank	Bank issuer
- CardCountry	Credit card country
- PaymentToken	A non-sensitive equivalent of credit card details
- CardMask	Masked credit card number
<b>Customer {} array</b>	
- CustomerId	Equal to MerchantInternalUserId
- FirstName	First name
- LastName	Last name
- Phone	Phone number
- Email	Email
<b>Address {} array</b>	
- FullAddress	Delivery address
- City	City
- Zone	Zone
- Country	Country (ISO-3 format)
- Zip	Zip code
- IpAddress	Customer IP address

## 3.1.1.9. Signature generation.

The signature is not mandatory for IFRAME Sale transaction, but should be calculated to validate callback request. The signature should be generated using the MD5 hash the concatenated string of the parameters:

<b>AssetPaymentsKey</b>	A personal UserID generated after registration. <b>Lowercase characters allowed!</b>
<b>SecretKEY</b>	A personal SecretKEY generated after registration <b>Lowercase characters allowed</b>
<b>TransactionId</b>	MisterPay transactionID

### Signature generation example

```
<?php
$key = AssetPaymentsKey
$secret = SecretKEY
$transactionId = TransactionId

$requestSign =$key.'.'.$transactionId.'.'.strtoupper($secret);
$Sign = hash_hmac('md5',$requestSign,$secret);
```

?>

## 3.1.1.10. Transaction example

Request URL
<code>https://api.misterpay.com/api/payment/create</code>
Request
<pre>{   "ProcessingId": 1,   "TemplateId": 0,   "OperationMode": "Iframe",   "TransactionType": "Sale",   "Lang": "ENG",   "MerchantInternalUserId": "67890",   "MerchantInternalOrderId": "12345",   "FirstName": "Mike",   "LastName": "Wazowsky",   "Phone": "+12703456677",   "Email": "customer@site.com",   "Address": "125, Rodeo Drive",   "Zone": "NY",   "City": "New York",   "Region": "NY",   "State": "NY",   "ZIP": "12345",   "CountryIso": "US",   "ConvertText": false,   "StatusUrl": "https://www.site.com/status",   "ReturnUrl": "https://www.site.com/return",   "DynamicDescriptor": "Purchase at site.com",   "CustomMerchantInfo": "Order 12345",   "Products": [     {       "ProductSku": "SCU-12345",       "ProductName": "Teddy bear",       "ImageUrl": "https://www.site.com/bear.jpg",       "ProductItemsNum": 1.00,       "ProductPrice": 80.00,       "Tax": 5.00,       "TaxType": 1,     },     {       "ProductSku": "SCU-67890",       "ProductName": "Small mouse",       "ImageUrl": "https://www.site.com/mouse.jpg",     }   ] }</pre>

```
"ProductItemsNum": 1.00,  
"ProductPrice": 10.00,  
"Tax": 5.00,  
"TaxType": 1,  
}  
],  
"Amount": 100.00,  
"AltAmount": 0.00,  
"Currency": "USD",  
"AltCurrency": "",  
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",  
"IpAddress": "10.10.10.10"  
}
```

## Response with IFRAME form

```
{  
  "PaymentToken": null,  
  "PaymentTokenExpireDate": null,  
  "HtmlIframeForm": "<script> \r\nvar head = document.getElementsByTagName('head')[0];\r\nvar s  
= document.createElement('script');\r\ns.type = 'text/javascript';\r\ns.src = 'https://forms.  
misterpay.com /js/quick_form.js';\r\nhead.appendChild(s);\r\ns.onload = function ()  
{\r\nQuickForm.initialize('03e5515f-7cd8-49ce-9284-5d78ff1390d9');\r\n}\r\n</script>\r\n<iframe  
\r\nid='quick_external_payment_form'\r\nsource='https://forms. misterpay.com  
/api/forms/PaymentForm/?param=MTg2ZDVkOTMtMhMWZhNjc5&fdata=lu9CzGDm4YS%2fN5QDq  
hK%2fKfuTDTBs1O%2fK7ZcsCSi4wjg%3d&ldata=ehcbQCQO7Cr4BXj%2f5bySBPVegYztELxT%2fJUNFTg  
pbl8%3d'\r\nstyle='z-index: 9999; margin-top: 60px; display: block; border: 0px none transparent;  
overflow-x: hidden; overflow-y: auto; visibility: visible; margin: 0px; padding: 0px; -webkit-tap-  
highlight-color: transparent; position: fixed; left: 0px; top: 0px; width: 100%; height: 100%;  
background: transparent;'\r\n</iframe>",  
  "RedirectUrl3DS": null,  
  "TransactionState": "Pending",  
  "TransactionStateCode": 0,  
  "TransactionId": 3412613,  
  "ErrorCode": 0,  
  "ResponseMessage": null  
}
```

## Showing the form

```
<?php  
  $externalForm = $result['htmlIframeForm'];  
  echo $externalForm;  
?>
```

## Form example

```
<html>  
  <head>  
    <script>
```

```
var head = document.getElementsByTagName('head')[0];
var s = document.createElement('script');
s.type = 'text/javascript';
s.src = 'https://forms.misterpay.com/js/quick_form.js';
head.appendChild(s);
s.onload = function () {
    QuickForm.initialize('03e5515f-7cd8-49ce-9284-5d78ff1390d9');
}
</script>
<script type="text/javascript" src="https://forms.misterpay.com/js/quick_form.js"></script>
</head>
<body>
<iframe
id="quick_external_payment_form"source="https://forms.misterpay.com/api/forms/PaymentForm/?param=MGYxZTJkOTctNWUyZi00NmFkLWlzYzQtY2E5ZDg0YjdY2Y5&fdata=lu9CzGDM4YS%2fN5QDqhK%2fKfuTDTBs1O%2fK7ZcsCSi4wjg%3d&ldata=ehcbQCQO7Cr4BXj%2f5bySBPVegYztELxT%2fJUNFTgpb18%3d" style="z-index: 9999; margin-top: 60px; display: block; border: 0px none transparent; overflow-x: hidden; overflow-y: auto; visibility: visible; margin: 0px; padding: 0px; -webkit-tap-highlight-color: transparent; position: fixed; left: 0px; top: 0px; width: 100%; height: 100%; background: transparent;"
src="https://forms.misterpay.com/api/forms/PaymentForm/?param=MGYxZTJkOTctNWUyZi00NmFkLWlzYzQtY2E5ZDg0YjdY2Y5&fdata=lu9CzGDM4YS%2fN5QDqhK%2fKfuTDTBs1O%2fK7ZcsCSi4wjg%3d&ldata=ehcbQCQO7Cr4BXj%2f5bySBPVegYztELxT%2fJUNFTgpb18%3d">
</iframe>
</body>
</html>
```

### 3.1.1.11. Callback example

The MisterPay System uses JSON POST to send transaction callback response.

**Note:** You may use `php://input` to read raw POST data. For example:

```
$json = json_decode(file_get_contents('php://input'), true);
$signature = $json['Payment']['Signature'];
```

#### Callback Response Body

```
{
  "Payment": {
    "OperationType": "Sale",
    "OperationTypeCode": 0,
    "TransactionId": 3412659,
    "PaymentSystemId": 1,
    "TransactionDate": "2019-01-26T14:19:06.1850034",
    "TerminalId": null,
    "BankOrderId": null,
    "Eci": null,
  }
}
```

```
"Rrn":null,
"Signature":"dbe8539bc7be53eee345860662cb4be2",
"Status":"Approved",
"StatusCode":1,
"ErrorCode":0,
"ErrorDescription":null,
"IsRedirect3DS":false
},
"Order": {
  "OrderId":"12345",
  "CustomInfo":"Order 12345",
  "Amount":100.00,
  "Currency":"USD",
  "AltAmount":0.00,
  "AltCurrency":null,
  "Fee":0.00,
  "CreditAmount":100.00
},
"Card": {
  "NameOnCard":null,
  "CardBin":null,
  "CardBrand":null,
  "CardType":null,
  "CardLevel":null,
  "CardBank":null,
  "CardCountry":null,
  "PaymentToken":null,
  "CardMask":"523523*****9603"
},
"Customer": {
  "CustomerId":"67890",
  "FirstName":"Mike",
  "LastName":"Wazowsky",
  "Phone":"+12703456677",
  "Email":"customer@site.com"
},
"Address": {
  "FullAddress":"125, Rodeo Drive",
  "City":"New York",
  "Zone":null,
  "Country":"US",
  "Zip":"12345"
},
"IpAddress":"185.177.242.87"
}
```

Signature check example

"Signature":"dbe8539bc7be53eee345860662cb4be2"

```
<?php
```

```
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';  
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';  
$transactionId = '3412659';  
$Signature = 'dbe8539bc7be53eee345860662cb4be2';
```

```
$requestSign = $key.'.'.$transactionId.'.'.strtoupper($secret);  
$Sign = hash_hmac('md5',$requestSign,$secret);
```

```
?>
```

## 3.1.2. SALE (DIRECT for PCI DSS)

DIRECT implementation of SALE transaction is a 'one-step' operation, completing Sale request using only a single submission. PCIDSS compliance is required!

### 3.1.2.1. Request URL

<https://api.misterpay.com/api/payment/sale>

### 3.1.2.2. Request parameters

A SALE transaction, MisterPay accepts the JSON transaction block containing the encrypted block of UserID, Processing ID, Transaction Amount and Currency, Card details, Shopping Cart Items, Delivery and Customer details and responds back to the original sender with that resulting authorization information.

<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>OperationMode</b>	Allowed value = 'Direct' .	Required
<b>ProcessingId</b>	A personal processingID generated after registration	Required
<b>TransactionType</b>	Allowed value = 'Sale'	Required
<b>TemplateId</b>	Preferred payment form template ID (Reserved for future use).	Optional
<b>Lang</b>	Language. Allowed format ISO-3 Three (3) capital characters!	Optional
<b>Amount</b>	Purchase price to be transacted, including taxes and fees. Allowed value format ='0.00' Two (2) digits after decimal point!	Required
<b>Currency</b>	The currency type assumed for the amount. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Required
<b>AltAmount</b>	User-defined field to show to the customer specific Order Amount on Credit Card Form not allowed for direct authorization (KZT, for example). The actual processing amount should be sent as Amount value. Allowed value format ='0.00' Two (2) digits after decimal point!	Required
<b>AltCurrency</b>	User-defined field to show to the customer specific Currency on Credit Card Form not allowed for direct authorization (KZT, for example). The actual processing currency should be sent as Currency value. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Optional



# MisterPay Specification

<b>MerchantInternalOrderId</b>	User-defined field, Customers Purchase Order number	Required
<b>MerchantInternalUserId</b>	User-defined field, Customers Unique Identification Number	Optional
<b>FirstName</b>	Customer First name	Optional
<b>LastName</b>	Customer Last name	Optional
<b>Email</b>	Customer Email address	Required
<b>Phone</b>	Customer Phone number	Optional
<b>Address</b>	Customer full Address (Number, Street name etc.)	Optional
<b>City</b>	Customer city	Optional
<b>Region</b>	Customer region name	Optional
<b>State</b>	Customer state name	Optional
<b>ZIP</b>	Customer ZIP code	Optional
<b>Zone</b>	Customer zone	Optional
<b>CountryIso</b>	Customer country. <b>ISO-2 or ISO-3 format!</b>	Required
<b>ConvertText</b>	Converts any text to Latin characters. (Reserved for future use).	Optional
<b>DynamicDescriptor</b>	The text that your customer sees on a bank account statement	Optional
<b>CustomMerchantInfo</b>	User-defined field, available for reporting purposes. MerchantCustomInfo will be added to RedirectURL and Callback response.	Optional
<b>StatusUrl</b>	MisterPay will send the transaction result object to this page after purchase is complete. <b>Value must start with 'http' or 'https'</b>	Required
<b>ReturnUrl</b>	MisterPay will redirect Customer back to this page after purchase is complete. <b>Value must start with 'http' or 'https'</b>	Required
<b>IpAddress</b>	Customers IP address <b>Allowed value format = '10.10.10.10'</b>	Optional
<b>SendCallback</b>	Disable callback sending to StatusURL <b>Allowed values = true/false</b>	Optional
<b>Products</b>	Shopping cart items array. Refer Section 3.1.1.5. Products Array Definition.	Optional
<b>CardNumber</b>	Credit card number	Required
<b>Cvv</b>	The CVV code is either the four digits on the front of your American Express card, or the three digits on the back of your card for Visa, MasterCard and Discover	Required
<b>ExpiredMonth</b>	Expiration month <b>Allowed values = '01-12' or MM</b>	Required
<b>ExpiredYear</b>	Expiration year <b>Two digits allowed or YY</b>	Required
<b>NameOnCard</b>	Card owner first and last name	Required

## 3.1.2.3. Transaction example

# MisterPay Specification

## Request URL

https://api.misterpay.com/api/payment/sale

## Request

```
{
  "ProcessingId": 1,
  "TemplateId": 0,
  "OperationMode": "Direct",
  "TransactionType": "Sale",
  "MerchantInternalUserId": "67890",
  "MerchantInternalOrderId": "12345",
  "FirstName": "Mike",
  "LastName": "Wazovsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com",
  "Address": "125, Rodeo Drive",
  "Zone": "NY",
  "City": "New York",
  "Region": "NY",
  "State": "NY",
  "ZIP": "12345",
  "CountryIso": "US",
  "ConvertText": false,
  "StatusUrl": "https://www.site.com/status",
  "ReturnUrl": "https://www.site.com/return",
  "DynamicDescriptor": "Purchase at site.com",
  "CustomMerchantInfo": "Order 12345",

  "CardNumber" : "5235232997699603",
  "Cvv" : "254",
  "ExpiredMonth" : "04",
  "ExpiredYear" : "20",
  "NameOnCard" : "Mike Wazovsky",

  "Products": [
    {
      "ProductSku": "SCU-12345",
      "ProductName": "Teddy bear",
      "ImageUrl": "https://www.site.com/bear.jpg",
      "ProductItemsNum": 1.00,
      "ProductPrice": 80.00,
      "Tax": 5.00,
      "TaxType": 1,
    },
    {
      "ProductSku": "SCU-67890",
      "ProductName": "Small mouse",
      "ImageUrl": "https://www.site.com/mouse.jpg",
    }
  ]
}
```

```
"ProductItemsNum": 1.00,  
"ProductPrice": 10.00,  
"Tax": 5.00,  
"TaxType": 1,  
}  
],  
"Amount": 100.00,  
"AltAmount": 0.00,  
"Currency": "USD",  
"AltCurrency": "",  
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",  
"IpAddress": "10.10.10.10"  
}
```

### 3.1.2.4. Callback example

The MisterPay System uses JSON POST to send transaction callback response.

#### Callback Response Body

```
{  
  "Payment": {  
    "OperationType": "Sale",  
    "OperationTypeCode": 0,  
    "TransactionId": 3412659,  
    "PaymentSystemId": 1,  
    "TransactionDate": "2019-01-26T14:19:06.1850034",  
    "TerminalId": null,  
    "BankOrderId": null,  
    "Eci": null,  
    "Rrn": null,  
    "Signature": "dbe8539bc7be53eee345860662cb4be2",  
    "Status": "Approved",  
    "StatusCode": 1,  
    "ErrorCode": 0,  
    "ErrorDescription": null,  
    "IsRedirect3DS": false  
  },  
  "Order": {  
    "OrderId": "12345",  
    "CustomInfo": "Order 12345",  
    "Amount": 100.00,  
    "Currency": "USD",  
    "AltAmount": 0.00,  
    "AltCurrency": null,  
    "Fee": 0.00,  
    "CreditAmount": 100.00  
  }  
}
```

```
},
"Card": {
  "NameOnCard":null,
  "CardBin":null,
  "CardBrand":null,
  "CardType":null,
  "CardLevel":null,
  "CardBank":null,
  "CardCountry":null,
  "PaymentToken":null,
  "CardMask":"523523*****9603"
},
"Customer": {
  "CustomerId":"67890",
  "FirstName":"Mike",
  "LastName":"Wazowsky",
  "Phone":"+12703456677",
  "Email":"customer@site.com"
},
"Address": {
  "Address":"125, Rodeo Drive",
  "City":"New York",
  "Zone":null,
  "Country":"US",
  "Zip":"12345"
},
"IpAddress":"185.177.242.87"
}
```

## Signature check example

```
"Signature":"dbe8539bc7be53eee345860662cb4be2"
```

```
<?php
```

```
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
$transactionId = '3412659';
$Signature = 'dbe8539bc7be53eee345860662cb4be2';
```

```
$requestSign = $key.'!'.$transactionId.'!'.strtoupper($secret);
$Sign = hash_hmac('md5',$requestSign,$secret);
```

```
?>
```

## 3.1.3. SALE (REDIRECT)

REDIRECT implementation of SALE transaction is a 'one-step' operation, completing Sale request using only a single submission. In this mode the customer will be redirected from the merchant checkout to MisterPay secure page to complete payment.

### 3.1.3.1. Request URL

<https://portal.misterpay.com/checkout/pay>

### 3.1.3.2. Request parameters

A SALE transaction, MisterPay accepts a POST request with Base64 encoded JSON containing the MisterPay ID, Processing ID, Transaction Amount, Currency, Shopping Cart Items, Delivery and Customer details and responds back to the original sender with that resulting authorization information.

<b>AllowedProcessings</b>	An array of payment methods should be shown to a customer on a payment page. You can specify a list of methods and view order. <b>Example = [1, 2, 3]</b>	Optional
<b>SkipCheckout</b>	Pass the MisterPay secure checkout and open bank payment page. <b>Allowed values = True, False</b> <b>Sending Processing ID is mandatory!</b>	Optional

Refer the section 3.1.1.4 to see request parameters.

### 3.1.3.3. PHP/CURL example

Request URL
<a href="https://portal.misterpay.com/checkout/pay">https://portal.misterpay.com/checkout/pay</a>
PHP / CURL example
<pre>&lt;?php header("Content-Type: text/html; charset=utf-8"); \$get_source = parse_url(getenv("HTTP_REFERER")); \$source_domain = \$get_source['host'];  \$option['TemplateId'] = 0; \$option["AllowedProcessings"] = []; \$option['CustomMerchantInfo'] = 'any info'; \$option['MerchantInternalOrderId'] = '12345';</pre>

```
$option['StatusURL'] = 'https://site.com/status';
$option['ReturnURL'] = 'https://site.com/return';
$option['AssetPaymentsKey'] = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$option['Amount'] = 100;
$option['Currency'] = 'UAH';
$option['IpAddress'] = '10.10.10.10';
$option['FirstName'] = 'Mike';
$option['SecondName'] = 'Mike';
$option['Email'] = 'test@test.com';
$option['Phone'] = '555666777';
$option['Address'] = 'addr';
$option['CountryISO'] = 'UA';
$option['SkipCheckout'] = true;;
```

```
$data = base64_encode( json_encode($option) );
```

```
$url = 'https://api.misterpay.com/checkout/pay';
$fields = ['data' => $data];
$fields_string = http_build_query($fields);
```

```
$ch = curl_init();
curl_setopt($ch,CURLOPT_URL, $url);
curl_setopt($ch,CURLOPT_POST, true);
curl_setopt($ch,CURLOPT_POSTFIELDS, $fields_string);
curl_setopt($ch,CURLOPT_RETURNTRANSFER, true);
$result = curl_exec($ch);
echo $result;
```

```
?>
```

### 3.1.3.4. HTML/JS example

#### Request URL

<https://portal.misterpay.com/checkout/pay>

#### HTML / JS example

```
<form method="POST" id="checkout" action="https://portal.misterpay.com/checkout/pay" accept-charset="utf-8">
```

```
  <input type="hidden" name="data" id="data" value="" />
```

```
  <input type="text" name="Email" id="Email" placeholder="Email" required />
```

```
  <input type="text" name="Amount" id="Amount" placeholder="Amount" required />
```

```
  <input type="text" name="Currency" id="Currency" placeholder="Currency" required />
```

```
  <input type="button" value="Click me" onclick="process()"/>
```

```
</form>
```

```
<script>
```

```
  function process() {
```

```
    function b64EncodeUnicode(str) {
```

```
return btoa(encodeURIComponent(str).replace(/%([0-9A-F]{2})/g,
function toSolidBytes(match, p1) {
  return String.fromCharCode('0x' + p1);
})));
}

var processingIDs = [];
var send_data = {
  'TemplateId': '19',
  'CountryISO': 'UA',
  'MerchantInternalOrderId': '12345',
  'StatusURL': 'https://site.com/status',
  'ReturnURL': 'https://site.com/return',
  'Email': document.getElementById('Email').value,
  'Amount': document.getElementById('Amount').value,
  'Currency': document.getElementById('Currency').value,
  'AssetPaymentsKey': '03e5515f-7cd8-49ce-9284-5d78ff1390d9',
  'AllowedProcessings': processingIDs,
};
var data = b64EncodeUnicode(JSON.stringify(send_data));
document.getElementById('data').value = data;
document.getElementById('checkout').submit();
}
</script>
```

### 3.1.3.5. Callback example

Refer the section 3.1.1.11 to see callback example.

## 3.1.4. SALE (TOKEN)

MisterPay tokens are data that can be used in the place of card information when performing transactions. Because the tokens are not card holder information, merchants using them do not have to protect them in the same way they have to protect card holder information.

The token takes the place of the card number and the expiration date. No other card holder information is associated with the token. Tokens are valid for 12 months after the last use of the token, after which a new token must be generated. Additional charges may or may not be assessed to the merchant when tokens are used. This would be indicated in the merchant agreement.

A TOKEN Sale is a 'two-steps' operation. You have to send an initial Sale request to get transactionID and calculate signature before sending token request.

### 3.1.4.1. Request URL

<https://api.misterpay.com/api/payment/token>

### 3.1.4.2. Request parameters

The first step to using the tokens is getting a token that will map to a card number. This can be done using the CreateToken attribute to return a token as part of SALE transaction.

<b>CreateToken</b>	Map a token to a credit card number. Allowed values = true/false	Optional
--------------------	---	----------

### 3.1.4.3. Requesting a token

The first step to using the tokens is requesting a token that will map to a card number. This can be done using the CreateToken attribute to return a token as part of SALE transaction.

Request URL
<a href="https://api.misterpay.com/api/payment/create">https://api.misterpay.com/api/payment/create</a>
Request
<pre>{   "ProcessingId": 1,   "TemplateId": 0,</pre>



```
"OperationMode": "Iframe",
"TransactionType": "Sale",
"MerchantInternalUserId": "67890",
"MerchantInternalOrderId": "12345",
"FirstName": "Mike",
"LastName": "Wazowsky",
"Phone": "+12703456677",
"Email": "customer@site.com",
"Address": "125, Rodeo Drive",
"Zone": "NY",
"City": "New York",
"Region": "NY",
"State": "NY",
"ZIP": "12345",
"CountryIso": "US",
"ConvertText": false,
"StatusUrl": "https://www.site.com/status",
"ReturnUrl": "https://www.site.com/return",
"DynamicDescriptor": "Purchase at site.com",
"CustomMerchantInfo": "Order 12345",
```

```
" CreateToken" : true,
```

```
"Products": [
  {
    "ProductSku": "SCU-12345",
    "ProductName": "Teddy bear",
    "ImageUrl": "https://www.site.com/bear.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 80.00,
    "Tax": 5.00,
    "TaxType": 1,
  }
],
"Amount": 100.00,
"AltAmount": 0.00,
"Currency": "USD",
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10"
}
```

#### 3.1.4.4. Callback with token value

The MisterPay System uses JSON POST to send transaction callback response.

#### Callback Response with token value

```
{
  "Payment": {
```

```
"OperationType":"Sale",
"OperationTypeCode":0,
"TransactionId":3412659,
"PaymentSystemId":1,
"TransactionDate":"2019-01-26T14:19:06.1850034",
"TerminalId":null,
"BankOrderId":null,
"Eci":null,
"Rrn":null,
"Signature":"dbe8539bc7be53eee345860662cb4be2",

"Status":"Approved", // or "Status":"Authorized" if ForceAuthorization option enabled

"StatusCode":1,
"ErrorCode":0,
"ErrorDescription":null,
"IsRedirect3DS":false
},
"Order": {
  "OrderId":"12345",
  "CustomInfo":"Order 12345",
  "Amount":100.00,
  "Currency":"USD",
  "AltAmount":0.00,
  "AltCurrency":null,
  "Fee":0.00,
  "CreditAmount":100.00
},
"Card": {
  "NameOnCard":null,
  "CardBin":null,
  "CardBrand":null,
  "CardType":null,
  "CardLevel":null,
  "CardBank":null,
  "CardCountry":null,

  "PaymentToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",

  "CardMask":"523523*****9603"
},
"Customer": {
  "CustomerId":"67890",
  "FirstName":"Mike",
  "LastName":"Wazowsky",
  "Phone":"+12703456677",
  "Email":"customer@site.com"
},
"Address": {
```

```
"Address": "125, Rodeo Drive",
"City": "New York",
"Zone": null,
"Country": "US",
"Zip": "12345"
},
"IpAddress": "185.177.242.87"
}
```

### Signature check example

```
"Signature": "dbe8539bc7be53eee345860662cb4be2"
```

```
<?php
```

```
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
$transactionId = '3412659';
$Signature = 'dbe8539bc7be53eee345860662cb4be2';
```

```
$requestSign = $key.'.'.$transactionId.'.'.strtoupper($secret);
$Sign = hash_hmac('md5', $requestSign, $secret);
```

```
?>
```

### 3.1.4.5. Request parameters

<b>TransactionType</b>	Allowed value = "Token"	Required
<b>TransactionId</b>	A unique transaction number, generated by MisterPay server.	Required
<b>Signature</b>	Signature is the result of a cryptographic process that used to authenticate a sequence of data and sender.	Required
<b>CardToken</b>	A non-sensitive equivalent of credit card details	Required
<b>ForceAuthorization</b>	Reserve an order amount for future settlement. Refer the section 3.6 to capture authorized funds. Allowed values = true/false	Optional

## 3.1.4.6. Sale transaction with token example

### Initial request URL

<https://api.misterpay.com/api/payment/create>

### Requesting transactionID

```
{
  "ProcessingId": 1,
  "TemplateId": 0,
  "OperationMode": "Iframe",
  "TransactionType": "Token",
  "MerchantInternalUserId": "67890",
  "MerchantInternalOrderId": "12345",
  "FirstName": "Mike",
  "LastName": "Wazowsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com",
  "Address": "125, Rodeo Drive",
  "Zone": "NY",
  "City": "New York",
  "Region": "NY",
  "State": "NY",
  "ZIP": "12345",
  "CountryIso": "US",
  "ConvertText": false,
  "StatusUrl": "https://www.site.com/status",
  "ReturnUrl": "https://www.site.com/return",
  "DynamicDescriptor": "Purchase at site.com",
  "CustomMerchantInfo": "Order 12345",
  "Products": [
    {
      "ProductSku": "SCU-12345",
      "ProductName": "Teddy bear",
      "ImageUrl": "https://www.site.com/bear.jpg",
      "ProductItemsNum": 1.00,
      "ProductPrice": 80.00,
      "Tax": 5.00,
      "TaxType": 1,
    }
  ],
  "Amount": 100.00,
  "AltAmount": 0.00,
  "Currency": "USD",
  "AltCurrency": "",
  "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
  "IpAddress": "10.10.10.10"
}
```

## Response with transactionID

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Pending",
  "TransactionStateCode": 0,
  "TransactionId": '3412659',
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## Signature calculation

```
<?php
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
$transactionId = '3412659';
$Signature = 'dbe8539bc7be53eee345860662cb4be2';

$requestSign = $key.'.'.$transactionId.'.'.strtoupper($secret);
$Sign = hash_hmac('md5',$requestSign,$secret);

?>
```

## Token sale request URL

<https://api.misterpay.com/api/payment/token>

## Completing token request

```
{
  "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
  "TransactionId": "3412659",
  "CardToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",
  "Signature": "dbe8539bc7be53eee345860662cb4be2"
}
```

### 3.1.4.7. Callback example

Refer the section 3.1.4.4 to see response example.

## 3.1.5. SALE (Create INVOICE)

An INVOICE request generates a link to secure processing page you send to collect money owed to you for services you've provided or items you've sold.

### 3.1.5.1. Request URL

<https://api.misterpay.com/api/merchant/invoice/create>

### 3.1.5.2 Create INVOICE request

A Create INVOICE request, MisterPay accepts the JSON transaction block containing the encrypted block of UserID, Template ID, Expiration date, Amount, Currency, Shopping Cart Items, Delivery and Customer details and responds back to the original sender with that resulting information.

### 3.1.5.3. Request parameters.

<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TemplateId</b>	Preferred invoice template ID = 19	Required
<b>ExpirationDate</b>	The date until invoice could be paid. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Optional
<b>Lang</b>	Language. Allowed format ISO-3 Three (3) capital characters!	Optional
<b>Amount</b>	Purchase price to be transacted, including taxes and fees. (*Please ready the note below) Allowed value format = '0.00' Two (2) digits after decimal point!	Optional*
<b>Currency</b>	The currency type assumed for the amount. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Required
<b>MerchantInternalOrderId</b>	User-defined field, Customers Purchase Order number	Required
<b>CustomerNotification</b>	Disable payment link sending to customer email Allowed values = true/false	Optional
<b>CustomerName</b>	Customer Name	Optional
<b>CustomerEmail</b>	Customer Email address	Required
<b>CustomerPhone</b>	Customer Phone number	Optional
<b>CustomerAddress</b>	Customer full Address (Number, Street name etc.)	Optional
<b>CompanyName</b>	Company Name	Optional
<b>CompanyEmail</b>	Company Email address	Optional
<b>CompanyPhone</b>	Company Phone number	Optional

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<b>CompanyAddress</b>	Company full Address (Number, Street name etc.)	Optional
<b>StatusUrl</b>	MisterPay will send the transaction result object to this page after payment is complete. <b>Value must start with 'http' or 'https'</b>	Optional
<b>Products</b>	Shopping cart items array. Refer Section 3.1.5.4. Products Array Definition.	Optional*
<b>AllowedProcessings</b>	An array of payment methods should be shown to a customer on a payment page. You can specify a list of methods and view order. <b>Example = [1, 2, 3]</b>	Optional
<b>ForceAuthorization</b>	Reserve an order amount for future settlement. Refer the section 3.6 to capture authorized funds. <b>Allowed values = true/false</b>	Optional
<b>CustomMerchantInfo</b>	User-defined field, available for reporting purposes. MerchantCustomInfo will be added to RedirectURL and Callback response.	Optional

**Note:\***

Please, pay attention on correct invoice amount. Both variables (Amount and Products) are optional but you have to send at least one of them. In case of empty Amount value MisterPay system try to calculate prices of every product.

### 3.1.5.4. Products array parameters.

It is strongly recommended to include Shopping Cart Items, Discounts or Delivery price in a Product Array separately.

<b>ProductName</b>	User-defined Product Name.	<b>Required</b>
<b>ProductSku</b>	A unique product identificatory, like SCU.	Optional
<b>ImageUrl</b>	Product related Image URL path.	Optional
<b>ProductItemsNum</b>	Quantity.	<b>Required</b>
<b>ProductPrice</b>	Product price. <b>Allowed value format = '0.00'</b> <b>Two (2) digits after decimal point!</b>	<b>Required</b>
<b>Tax</b>	Tax amount. <b>Allowed fixed value = '0.00'</b> <b>Two (2) digits after decimal point!</b> <b>Allowed percentage value = '00'</b>	Optional
<b>TaxType</b>	Tax type or percentage. <b>Allowed values: fixed value = '1', percentage = '0'</b>	Optional

## 3.1.5.5. Response parameters.

<b>invoicePaymentLink</b>	A link to a secure page to accept payment
<b>invoiceId</b>	MisterPay invoice number
<b>errorCode</b>	Error Code
<b>responseMessage</b>	Definition of error

## 3.1.5.6. Transaction example

Request URL
https://api.misterpay.com/api/merchant/invoice/create
Request
<pre>{   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",   "TemplateId": 19,   "ExpirationDate": "2030-05-01",   "Currency": "USD",   "MerchantInternalOrderId": "12345",   "CustomerNotification": true,   "CustomerName": "Mike Wazowsky",   "CustomerPhone": "+12703456677",   "CustomerEmail": "customer@site.com",   "CustomerAddress": "125, Rodeo Drive, NY, NY, US, 11223",   "CompanyName": "Toy store",   "CompanyPhone": "+17583456656",   "CompanyEmail": "shop@site.com",   "CompanyAddress": "46, Union Sq., NY, 11225, US",   "StatusUrl": "https://www.site.com/status",   "AllowedProcessings": [ ],   "Products": [     {       "ProductSku": "SCU-12345",       "ProductName": "Teddy bear",       "ImageUrl": "https://www.site.com/bear.jpg",       "ProductItemsNum": 1.00,       "ProductPrice": 80.00,       "Tax": 5.00,       "TaxType": 1,     },     {       "ProductSku": "SCU-67890",       "ProductName": "Small mouse",       "ImageUrl": "https://www.site.com/mouse.jpg",       "ProductItemsNum": 1.00,       "ProductPrice": 10.00,       "Tax": 5.00,       "TaxType": 1,     }   ] }</pre>



```
]
}
```

## Response

```
{
  "invoicePaymentLink": "https://assetpayments.us/invoice/pay/?data=sz57oULiJXmzOnhKmE3uEcJy3hoSHLibgMX3K02psG4caHHLK%2bP1UsEJfYdA58a",
  "invoiceId": 286,
  "errorCode": 0,
  "responseMessage": null
}
```

### 3.1.5.7. Callback example

Refer the section 3.1.1.11 to see callback parameters.

## 3.1.6. SALE (Update INVOICE)

A created invoice could be easily updated.

### 3.1.6.1. Request URL

<https://api.misterpay.com/api/merchant/invoice/update>

### 3.1.6.2 Update INVOICE request

An Update INVOICE request, MisterPay accepts the JSON transaction block containing the encrypted block of UserID, Template ID, Expiration date, Currency, Shopping Cart Items, Delivery and Customer details, InvoiceID and Signature and responds back to the original sender with that resulting information.

### 3.1.6.3. Request parameters.

<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>InvoiceId</b>	An ID of created invoice	Required
<b>Signature</b>	The signature is used to protect the data exchanged between your server with MisterPay server	Required
<b>TemplateId</b>	Preferred invoice template ID	Optional
<b>ExpirationDate</b>	The date until invoice could be paid. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Optional
<b>Amount</b>	Purchase price to be transacted, including taxes and fees. (*Please ready the note below) Allowed value format = '0.00' Two (2) digits after decimal point!	Optional
<b>Currency</b>	The currency type assumed for the amount. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Required
<b>MerchantInternalOrderId</b>	User-defined field, Customers Purchase Order number	Required
<b>CustomerNotification</b>	Disable payment link sending to customer email Allowed values = true/false	Optional
<b>CustomerName</b>	Customer Name	Optional
<b>CustomerEmail</b>	Customer Email address	Required
<b>CustomerPhone</b>	Customer Phone number	Optional
<b>CustomerAddress</b>	Customer full Address (Number, Street name etc.)	Optional
<b>CompanyName</b>	Company Name	Optional
<b>CompanyEmail</b>	Company Email address	Optional
<b>CompanyPhone</b>	Company Phone number	Optional
<b>CompanyAddress</b>	Company full Address (Number, Street name etc.)	Optional

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<b>StatusUrl</b>	MisterPay will send the transaction result object to this page after payment is complete. <b>Value must start with 'http' or 'https'</b>	Optional
<b>Products</b>	Shopping cart items array. Refer Section 3.1.5.4. Products Array Definition.	Optional
<b>AllowedProcessings</b>	An array of payment methods should be shown to a customer on a payment page. You can specify a list of methods and view order. <b>Example = [1, 2, 3]</b>	Optional
<b>ForceAuthorization</b>	Reserve an order amount for future settlement. Refer the section 3.6 to capture authorized funds. <b>Allowed values = true/false</b>	Optional
<b>CustomMerchantInfo</b>	User-defined field, available for reporting purposes. MerchantCustomInfo will be added to RedirectURL and Callback response.	Optional

## 3.1.6.4. Products array parameters.

Refer 3.1.5.4 section for Product parameters

## 3.1.6.5. Response parameters.

<b>invoicePaymentLink</b>	A link to a secure page to accept payment
<b>invoiceId</b>	MisterPay invoice number
<b>errorCode</b>	Error Code
<b>responseMessage</b>	Definition of error

## 3.1.6.7. Signature generation.

The signature should be generated using the MD5 hash the concatenated string of the parameters:

<b>AssetPaymentsKey</b>	A personal UserID generated after registration. <b>Lowercase characters allowed!</b>
<b>SecretKEY</b>	A personal SecretKEY generated after registration <b>Lowercase characters allowed</b>
<b>InvoiceId</b>	MisterPay invoiceID

### Signature generation example

```
<?php
$key = AssetPaymentsKey
$secret = SecretKEY
$invoiceId = TransactionId
```

```
$requestSign=$key.'.'. $invoiceId.'.'.strtoupper($secret);  
$Sign = hash_hmac('md5',$requestSign,$secret);  
?>
```

## 3.1.6.8. Transaction example

### Request URL

https://api.misterpay.com/api/merchant/invoice/update

### Request

```
{  
  "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",  
  "TemplateId": 19,  
  "ExpirationDate": "2020-05-01",  
  "Currency": "USD",  
  "MerchantInternalOrderId": "12345",  
  "CustomerNotification": true,  
  "CustomerName": "Mike Wazowsky",  
  "CustomerPhone": "+12703456677",  
  "CustomerEmail": "customer@site.com",  
  "CustomerAddress": "125, Rodeo Drive, NY, NY, US, 11223",  
  "CompanyName": "Toy store",  
  "CompanyPhone": "+17583456656",  
  "CompanyEmail": "shop@site.com",  
  "CompanyAddress": "46, Union Sq., NY, 11225, US",  
  "StatusUrl": "https://www.site.com/status",  
  "InvoiceId": 279,  
  "Signature": "d6e0f9899dfabfbaaa270111df107ba4",  
  "AllowedProcessings": [ ],  
  "Products": [  
    {  
      "ProductSku": "SCU-12345",  
      "ProductName": "Teddy bear",  
      "ImageUrl": "https://www.site.com/bear.jpg",  
      "ProductItemsNum": 1.00,  
      "ProductPrice": 80.00,  
      "Tax": 5.00,  
      "TaxType": 1,  
    },  
    {  
      "ProductSku": "SCU-67890",  
      "ProductName": "Small mouse",  
      "ImageUrl": "https://www.site.com/mouse.jpg",  
      "ProductItemsNum": 1.00,  
      "ProductPrice": 10.00,  
      "Tax": 5.00,  
      "TaxType": 1,  
    }  
  ]  
}
```

```

]
}

```

Response

```

{
"invoicePaymentLink": "https://assetpayments.us/invoice/pay/?data=tMImBaQEI72qxVuUCFsaDbDPFK7K%2fqfbdnMDSgXji4OD9bS4Qloofhfe7BHCEazJ",
"invoiceId":279,
"errorCode":0,
"responseMessage":null
}

```

### 3.1.6.9. Callback example

Refer the section 3.1.1.11 to see callback parameters.

## 4. VOID

**Note:** A VOID transaction maybe declined due to bank processing rules. In this case you can use a REFUND request.

A VOID transaction is a debit or credit card purchase that is canceled after it has been authorized but before it has been settled. A void transaction does not appear on the customer's account statement, though it might appear in a list of pending transactions when the customer checks their account online.

A VOID transaction should be sent until 00:00. In other case refer section 3.3 (REFUND transaction).

### 4.1. Request URL

<https://api.misterpay.com/api/payment/void>

### 4.2. Request parameters

<b>Amount</b>	Void amount. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TransactionId</b>	Initial transaction number that should be voided.	Required

# MisterPay Specification

<b>Signature</b>	Signature is the result of a cryptographic process that used to authenticate a sequence of data and sender.	Required
------------------	---	----------

## 4.3. Transaction example

Request URL
https://api.misterpay.com/api/payment/void
Request
<pre>{   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",   "TransactionId": "3412659",   "Amount": 100.00,   "Signature": "dbe8539bc7be53eee345860662cb4be2" }</pre>

## 4.4. Response parameters

<b>TransactionState</b>	Operation type. Success value = 'Voided'
<b>TransactionStateCode</b>	Reserved value.
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 4.5. Response example

The MisterPay System uses JSON POST to send transaction callback response.

Response Body
<pre>{   "PaymentToken": null,   "PaymentTokenExpireDate": null,   "HtmlIframeForm": null,   "RedirectUrl3DS": null,   "TransactionState": "Voided",   "TransactionStateCode": 5,   "TransactionId": '3412659',   "ErrorCode": 0,   "ResponseMessage": null }</pre>

## 5. REFUND

A REFUND transaction is a debit or credit card purchase that is canceled after it has been settled. A refund transaction appears on the customer's account statement. It is allowed to send partial refund amount request.

### 5.1. Request URL

<https://api.misterpay.com/api/payment/refund>

### 5.2. Request parameters

<b>Amount</b>	Refund amount. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TransactionId</b>	Initial transaction number that should be voided.	Required
<b>Signature</b>	Signature is the result of a cryptographic process that used to authenticate a sequence of data and sender.	Required

### 5.3. Transaction example

Request URL
<a href="https://api.misterpay.com/api/payment/refund">https://api.misterpay.com/api/payment/refund</a>
Request
<pre>{   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",   "TransactionId": "3412659",   "Amount": 100.00,   "Signature": "dbe8539bc7be53eee345860662cb4be2" }</pre>

### 5.4. Response parameters

<b>TransactionState</b>	Operation type. Success value = 'Refunded'
<b>TransactionStateCode</b>	Reserved value.
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 5.5. Response example

The MisterPay System uses JSON POST to send transaction callback response.

### Response Body

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Refunded",
  "TransactionStateCode": 5,
  "TransactionId": '3412659',
  "ErrorCode": 0,
  "ResponseMessage": null
}
```



## 6. STATE

A STATE transaction gives you information such as the error code, description and status of the transaction.

### 6.1. Request URL

<https://api.misterpay.com/api/payment/state>

### 6.2. Request parameters

<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TransactionId</b>	Initial transaction number that should be voided.	Required
<b>SendCallback</b>	Repeat callback sending to StatusURL <i>Allowed values = true/false</i>	Optional
<b>Signature</b>	Signature is the result of a cryptographic process that used to authenticate a sequence of data and sender.	Required

### 6.3. Transaction example

Request URL
https://api.misterpay.com/api/payment/state
Request
<pre>{   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",   "TransactionId": "3412659",   "Signature": "dbe8539bc7be53eee345860662cb4be2" }</pre>

### 6.4. Response parameters

<b>TransactionState</b>	Transaction states: <i>Pending – Waiting for credit card details</i> <i>Processing – Waiting for 3DS confirmation page</i> <i>Approved – Payment successful</i> <i>Declined – Payment failed</i> <i>Authorized – Payment amount was successfully blocked</i> <i>Refunded – Payment was refunded successfully</i> <i>Voided – Payment was reversed successfully</i>
<b>TransactionStateCode</b>	Reserved value.

# MisterPay Specification

<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 6.5. Response example

The MisterPay System uses JSON POST to send transaction callback response.

Response body
<pre>{   "PaymentToken": null,   "PaymentTokenExpireDate": null,   "HtmlIframeForm": null,   "RedirectUrl3DS": null,   "TransactionState": "Approved",   "TransactionStateCode": 1,   "TransactionId": '3412659',   "ErrorCode": 0,   "ResponseMessage": null }</pre>

## 7. AUTHORIZATION (HOLD)

An Authorization is the process of confirming whether your customer's credit card has sufficient credit to purchase goods or services from you, and also confirms whether the card is valid. Successful Authorization means that the amount you specified will be reserved from the cardholder's available credit limit for future settlement.

An Authorization is a 'two-steps' operation. You have to send an authorization request first to reserve purchase amount and specify settlement amount sending a CAPTURE request.

### 7.1. Request URL

<https://api.misterpay.com/api/payment/authorization>

### 7.2. Request parameters

The first step is authorization of a purchase amount. This can be done using the TransactionType = "Authorization" attribute.

<b>TransactionType</b>	Allowed value = 'Authorization'	Required
------------------------	---------------------------------	----------

## 7.3. Transaction example

Request URL
https://api.misterpay.com/api/payment/authorization
Request
<pre>{   "ProcessingId": 1,   "TemplateId": 0,   "OperationMode": "iframe",    "TransactionType": "Authorization",    "MerchantInternalUserId": "67890",   "MerchantInternalOrderId": "12345",   "FirstName": "Mike",   "LastName": "Wazowsky",   "Phone": "+12703456677",   "Email": "customer@site.com",   "Address": "125, Rodeo Drive",   "Zone": "NY",   "City": "New York",   "Region": "NY",   "State": "NY",   "ZIP": "12345",   "CountryIso": "US",   "ConvertText": false,   "StatusUrl": "https://www.site.com/status",   "ReturnUrl": "https://www.site.com/return",   "DynamicDescriptor": "Purchase at site.com",   "CustomMerchantInfo": "Order 12345",   "Products": [     {       "ProductSku": "SCU-12345",       "ProductName": "Teddy bear",       "ImageUrl": "https://www.site.com/bear.jpg",       "ProductItemsNum": 1.00,       "ProductPrice": 80.00,       "Tax": 5.00,       "TaxType": 1,     }   ],   "Amount": 100.00,   "AltAmount": 0.00,   "Currency": "USD",   "AltCurrency": "",   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",   "IpAddress": "10.10.10.10" }</pre>
Response body

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Authorized",
  "TransactionStateCode": 4,
  "TransactionId": '3412659',
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## 7.4. Callback example

The MisterPay System uses JSON POST to send transaction callback response.

### Callback body

```
{
  "Payment": {
    "OperationType": "Authorization",
    "OperationTypeCode": 0,
    "TransactionId": 3412659,
    "PaymentSystemId": 1,
    "TransactionDate": "2019-01-26T14:19:06.1850034",
    "TerminalId": null,
    "BankOrderId": null,
    "Eci": null,
    "Rrn": null,
    "Signature": "dbe8539bc7be53eee345860662cb4be2",
    "Status": "Authorized",
    "StatusCode": 1,
    "ErrorCode": 0,
    "ErrorDescription": null,
    "IsRedirect3DS": false
  },
  "Order": {
    "OrderId": "12345",
    "CustomInfo": "Order 12345",
    "Amount": 100.00,
    "Currency": "USD",
    "AltAmount": 0.00,
    "AltCurrency": null,
  }
}
```

```
"Fee":0.00,
"CreditAmount":100.00
},
"Card": {
  "NameOnCard":null,
  "CardBin":null,
  "CardBrand":null,
  "CardType":null,
  "CardLevel":null,
  "CardBank":null,
  "CardCountry":null,
  "PaymentToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",
  "CardMask":"523523*****9603"
},
"Customer": {
  "CustomerId":"67890",
  "FirstName":"Mike",
  "LastName":"Wazowsky",
  "Phone":"+12703456677",
  "Email":"customer@site.com"
},
"Address": {
  "Address":"125, Rodeo Drive",
  "City":"New York",
  "Zone":null,
  "Country":"US",
  "Zip":"12345"
},
"IpAddress":"185.177.242.87"
}
```

## Signature check example

```
"Signature":"dbe8539bc7be53eee345860662cb4be2"
```

```
<?php
```

```
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
$transactionId = '3412659';
$Signature = 'dbe8539bc7be53eee345860662cb4be2';
```

```
$requestSign = $key.'.'.$transactionId.'.'.strtoupper($secret);
$Sign = hash_hmac('md5',$requestSign,$secret);
```

```
?>
```

## 8. CAPTURE (HOLD confirmation)

All credit card payment providers have an authorization period to allow a charge to be made to a customer's credit card. The authorization period will end after a certain amount of time. The length of the authorization period depends on your credit card payment provider. You need to capture a payment within the authorization period to collect money for your order using a CAPTURE transaction. It is allowed to make a partial capture instead of authorized amount.

### 8.1. Request URL

<https://api.misterpay.com/api/payment/complete>

### 8.2. Request parameters

<b>Amount</b>	Refund amount. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TransactionId</b>	Authorized transaction number.	Required
<b>Signature</b>	Signature is the result of a cryptographic process that used to authenticate a sequence of data and sender.	Required

### 8.3. Transaction example

Request URL
<code>https://api.misterpay.com/api/payment/complete</code>
Request
<pre>{   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",   "TransactionId": "3412659",   "Amount": 100.00,   "Signature": "dbe8539bc7be53eee345860662cb4be2" }</pre>

### 8.4. Response parameters

<b>TransactionState</b>	Operation type. Success value = 'Approved'
<b>TransactionStateCode</b>	Reserved value.

<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 8.5. Response example

The MisterPay System uses JSON POST to send transaction callback response.

### Response Body

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Approved",
  "TransactionStateCode": 5,
  "TransactionId": '3412659',
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## 9. A2C (balance to card)

Account-to-person payments (A2C) is an online technology that allows customers to transfer funds from account balance to consumer card account.

### 9.1. Request URL

<https://api.misterpay.com/api/payment/p2p>

### 9.2. Request parameters

An A2C transaction is a 'two-steps' operation. You have to send an Initial request to get transactionID and calculate signature before sending A2C transfer request. This can be done using the TransactionType = "P2P" attribute.

TransactionType	Allowed value = 'P2P'	Required
-----------------	-----------------------	----------

### 9.3. Initial transaction example

#### Initial request URL

<https://api.misterpay.com/api/payment/create>

#### Initial request body

```
{
  "ProcessingId": 1,
  "TemplateId": 0,
  "OperationMode": "Iframe",
  "TransactionType": "P2P",
  "MerchantInternalUserId": "67890",
  "MerchantInternalOrderId": "12345",
  "FirstName": "Mike",
  "LastName": "Wazowsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com",
  "Address": "125, Rodeo Drive",
  "Zone": "NY",
  "City": "New York",
  "Region": "NY",
  "State": "NY",
  "ZIP": "12345",
  "CountryIso": "US",
```



# MisterPay Specification

```
"ConvertText": false,
"StatusUrl": "https://www.site.com/status",
"ReturnUrl": "https://www.site.com/return",
"DynamicDescriptor": "Purchase at site.com",
"CustomMerchantInfo": "Order 12345",
"Products": [
  {
    "ProductSku": "SCU-12345",
    "ProductName": "Teddy bear",
    "ImageUrl": "https://www.site.com/bear.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 80.00,
    "Tax": 5.00,
    "TaxType": 1,
  }
],
"Amount": 100.00,
"AltAmount": 0.00,
"Currency": "USD",
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10"
}
```

## Response

```
{
  "PaymentToken": "",
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Approved",
  "TransactionStateCode": 1,
  "TransactionId": '3412659',
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## Signature calculation

```
<?php
```

```
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
$transactionId = '3412659';

$requestSign = $key.'.'.$transactionId.'.':.strtoupper($secret);
$signature = hash_hmac('md5',$requestSign,$secret);
```

?>

## 9.4. A2C request parameters

<b>AssetPaymentsKey</b>	A personal UserID generated after registration.	Required
<b>TransactionId</b>	Transaction number from Initial Sale request.	Required
<b>P2PCardNumber</b>	Receiver's card number.	Required
<b>P2PCardToken</b>	Credit card token. You can use it instead of a P2PCardNumber parameter.	Optional
<b>PayFee</b>	Add transaction fee to the transfer amount <b>Allowed values = true/false</b>	Optional
<b>Signature</b>	Signature is the result of a cryptographic process that used to authenticate a sequence of data and sender.	Required

## 9.5. A2C transaction with consumer card number

### Request URL

https://api.misterpay.com/api/payment/p2p

### Request

```
{
  "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
  "TransactionId": "3412659",
  "P2PCardNumber": "1111222233334444",
  "PayFee": false,
  "Signature": "dbe8539bc7be53eee345860662cb4be2"
}
```

### Response

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Approved",
  "TransactionStateCode": 1,
  "TransactionId": 3412659,
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## 9.6. A2C transaction with token instead card number

To issue a card token you should make payment with full card details and `CreateToken=true` parameter. If a payment will be successful MisterPay system responds back with token value.

### 9.6.1. Sale request example to issue card token

#### Request URL

`https://api.misterpay.com/api/payment/create`

#### Sale request

```
{
  "ProcessingId": 1,
  "TemplateId": 0,
  "OperationMode": "Iframe",
  "TransactionType": "Sale",
  "MerchantInternalUserId": "67890",
  "MerchantInternalOrderId": "12345",
  "FirstName": "Mike",
  "LastName": "Wazowsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com",
  "Address": "125, Rodeo Drive",
  "Zone": "NY",
  "City": "New York",
  "Region": "NY",
  "State": "NY",
  "ZIP": "12345",
  "CountryIso": "US",
  "ConvertText": false,
  "StatusUrl": "https://www.site.com/status",
  "ReturnUrl": "https://www.site.com/return",
  "DynamicDescriptor": "Purchase at site.com",
  "CustomMerchantInfo": "Order 12345",

  "CreateToken": true,

  "Products": [
    {
      "ProductSku": "SCU-12345",
      "ProductName": "Teddy bear",
      "ImageUrl": "https://www.site.com/bear.jpg",
      "ProductItemsNum": 1.00,
      "ProductPrice": 80.00,
      "Tax": 5.00,
      "TaxType": 1,
    }
  ]
}
```

```
}
],
"Amount": 100.00,
"AltAmount": 0.00,
"Currency": "USD",
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10"
}
```

## 9.6.2. Callback with token value

### Callback Response with token value

```
{
  "Payment": {
    "OperationType": "Sale",
    "OperationTypeCode": 0,
    "TransactionId": 3412659,
    "PaymentSystemId": 1,
    "TransactionDate": "2019-01-26T14:19:06.1850034",
    "TerminalId": null,
    "BankOrderId": null,
    "Eci": null,
    "Rrn": null,
    "Signature": "dbe8539bc7be53eee345860662cb4be2",
    "Status": "Approved",
    "StatusCode": 1,
    "ErrorCode": 0,
    "ErrorDescription": null,
    "IsRedirect3DS": false
  },
  "Order": {
    "OrderId": "12345",
    "CustomInfo": "Order 12345",
    "Amount": 100.00,
    "Currency": "USD",
    "AltAmount": 0.00,
    "AltCurrency": null,
    "Fee": 0.00,
    "CreditAmount": 100.00
  },
  "Card": {
    "NameOnCard": null,
    "CardBin": null,
    "CardBrand": null,
    "CardType": null,
    "CardLevel": null,
  }
}
```

```
"CardBank":null,
"CardCountry":null,

"PaymentToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",

"CardMask":"523523*****9603"
},
"Customer": {
  "CustomerId":"67890",
  "FirstName":"Mike",
  "LastName":"Wazowsky",
  "Phone":"+12703456677",
  "Email":"customer@site.com"
},
"Address": {
  "Address":"125, Rodeo Drive",
  "City":"New York",
  "Zone":null,
  "Country":"US",
  "Zip":"12345"
},
"IpAddress":"185.177.242.87"
}
```

## 9.6.4. Initial A2C request to get transactionID

### Initial request URL

<https://api.misterpay.com/api/payment/create>

### Initial request body

```
{
  "ProcessingId": 1,
  "TemplateId": 0,
  "OperationMode": "Iframe",

  "TransactionType": "P2P",

  "MerchantInternalUserId": "67890",
  "MerchantInternalOrderId": "12345",
  "FirstName": "Mike",
  "LastName": "Wazowsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com",
  "Address": "125, Rodeo Drive",
  "Zone": "NY",
  "City": "New York",
```

```
"Region": "NY",
"State": "NY",
"ZIP": "12345",
"CountryIso": "US",
"ConvertText": false,
"StatusUrl": "https://www.site.com/status",
"ReturnUrl": "https://www.site.com/return",
"DynamicDescriptor": "Purchase at site.com",
"CustomMerchantInfo": "Order 12345",
"Products": [
  {
    "ProductSku": "SCU-12345",
    "ProductName": "Teddy bear",
    "ImageUrl": "https://www.site.com/bear.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 80.00,
    "Tax": 5.00,
    "TaxType": 1,
  }
],
"Amount": 100.00,
"AltAmount": 0.00,
"Currency": "USD",
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10"
}
```

## Response with TransactionID

```
{
  "PaymentToken": "",
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Approved",
  "TransactionStateCode": 1,
  "TransactionId": '3412659',
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## Signature calculation

```
<?php
$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
```

```
$transactionId = '3412659';
```

```
$requestSign = $key.'!'.$transactionId.'!'.strtoupper($secret);
```

```
$signature = hash_hmac('md5',$requestSign,$secret);
```

```
?>
```

## 9.6.5. A2C transaction example with token

### Request URL

```
https://api.misterpay.com/api/payment/p2p
```

### Request

```
{  
  "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",  
  "TransactionId": "3412659",  
  
  "P2PCardToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",  
  
  "PayFee": false,  
  "Signature": "dbe8539bc7be53eee345860662cb4be2"  
}
```

### Response

```
{  
  "PaymentToken": null,  
  "PaymentTokenExpireDate": null,  
  "HtmlIframeForm": null,  
  "RedirectUrl3DS": null,  
  "TransactionState": "Approved",  
  "TransactionStateCode": 1,  
  "TransactionId": 3412659,  
  "ErrorCode": 0,  
  "ResponseMessage": null  
}
```

## 9.7. Callback example

The MisterPay System uses JSON POST to send transaction callback response.

### Callback body

```
{  
  "Payment": {
```

```
"OperationType":"P2P",

"OperationTypeCode":0,
"TransactionId":3412659,
"PaymentSystemId":1,
"TransactionDate":"2019-01-26T14:19:06.1850034",
"TerminalId":null,
"BankOrderId":null,
"Eci":null,
"Rrn":null,
"Signature":"dbe8539bc7be53eee345860662cb4be2",
"Status":"Approved",
"StatusCode":1,
"ErrorCode":0,
"ErrorDescription":null,
"IsRedirect3DS":false
},
"Order": {
  "OrderId":"12345",
  "CustomInfo":"Order 12345",
  "Amount":100.00,
  "Currency":"USD",
  "AltAmount":0.00,
  "AltCurrency":null,
  "Fee":0.00,
  "CreditAmount":100.00
},
"Card": {
  "NameOnCard":"Mike Wazovsky",
  "CardBin":"111122",
  "CardBrand":null,
  "CardType":null,
  "CardLevel":null,
  "CardBank":null,
  "CardCountry":null,
  "PaymentToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",
  "CardMask":"111122*****4444"
},
"Customer": {
  "CustomerId":"67890",
  "FirstName":"Mike",
  "LastName":"Wazowsky",
  "Phone":"+12703456677",
  "Email":"customer@site.com"
},
"Address": {
  "Address":"125, Rodeo Drive",
  "City":"New York",
  "Zone":null,
```



```
"Country": "US",  
"Zip": "12345"  
},  
"IpAddress": "185.177.242.87"  
}
```



## 10. BALANCE

You can check current account balance available for A2C transfers sending a Balance request.

**Note:** The refill method depends on the terms of merchant agreement.

### 10.1. Request URL

<https://api.misterpay.com/api/Merchant/balance>

### 10.2. Request example

Request URL
<code>https://api.misterpay.com/api/Merchant/balance</code>
Request
<pre>{   "ProcessingId": 1,   "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9" }</pre>
Response
<pre>{   "currency": "UAH",   "amount": 1.96,   "errorCode": 0,   "responseMessage": null }</pre>

## 11. REPORT

Understanding how funds flow in of your account is an important part of processing payments. You can use A REPORT transaction to request, generate and export financial reports, helping to streamline your business workflows. You should successfully send four POST requests to create and download your report:

- Authorization;
- Create report;
- Check status;
- Download report.

### 11.1. Authorization

#### 11.1.1. Request URL

<https://portal.misterpay.com/account/ExternalLogin>

#### 11.1.2. Request parameters

<b>Login</b>	A user login in (Email) to access MisterPay management portal.	Required
<b>Password</b>	A user password to access MisterPay management portal.	Required

#### 11.1.3. Transaction example

Request URL
<code>https://misterpay.com/account/ExternalLogin</code>
Request
<pre>{   "Login": "email@site.com",   "Password": "12345" }</pre>

#### 11.1.4. Response parameters

<b>Token</b>	An unique session ID
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 11.1.5. Response example

Response body
<pre>{   "token": "YW5kcmV3QGZzc2V0cGFHMuY29tfDMmVILTQxYjltYjY5Yy1iMmFIMzI4YzJiM2E=",   "errorCode": 0,   "responseMessage": null }</pre>

## 11.2. Create report

### 11.2.1. Request URL

<https://api.misterpay.com/api/merchant/report/create>

### 11.2.2. Request parameters

<b>DateFrom</b>	Reporting period start date. Allowed format = 'YYYY-MM-DD' ('2020-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
<b>DateTo</b>	Reporting period end date. Allowed format = 'YYYY-MM-DD' ('2020-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
<b>MerchantId</b>	Webstore ID array Allowed format = [10,20,30] ID can be founded on the webstores list within management portal	Required
<b>TransactionStates</b>	Transaction state codes: Pending = 0 Processing = 3 Approved = 1 Declined = 2 Authorized = 4 Refunded = 5 Voided = 6	Required
<b>ReportType</b>	Report type codes: Transactions = 0 A2C transfers = 1 Invoices = 2	Required
<b>Session</b>	The unique token received in response of the Authorization request	Required
<b>OffsetMinutes</b>	The difference in hours and minutes from Coordinated Universal Time (UTC)	Required

Allowed format = '120' (UTC +02)

## 11.2.3. Transaction example

Request URL
<code>https://api.misterpay.com/api/merchant/report/create</code>
Request
<pre>{   "DateFrom" : "2020-07-23",   "DateTo" : "2020-07-25",   "MerchantId" : [480],   "TransactionStates" : [1],   "ReportType" : 0,   "Session" : "YW5kcmV3QGFzc2V0cGFHMuY29tfDMmVILTQxYjltYjY5Yy1iMmFIMzI4YzJiM2E=",   "OffsetMinutes" : 0 }</pre>

## 11.2.4. Response parameters

<b>EntityId</b>	An unique ID or your report
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 11.2.5. Response example

Response body
<pre>{   "entityId": 95,   "errorCode": 0,   "responseMessage": null }</pre>

## 11.3. Check status

### 11.3.1. Request URL

<https://api.misterpay.com/api/merchant/report/checkstatus>

### 11.3.2. Request parameters

# MisterPay Specification

<b>EntityId</b>	An unique ID or your report	Required
<b>Session</b>	The unique token received in response of the Authorization request	Required
<b>OffsetMinutes</b>	The difference in hours and minutes from Coordinated Universal Time (UTC) Allowed format = '120' (UTC +02)	Required

## 11.3.3. Transaction example

Request URL
https://api.misterpay.com/api/merchant/report/checkstatus
Request
<pre>{   "EntityId" : "95",   "Session" : "YW5kcmV3QGFzc2V0cGFHMuY29tfDMmVILTQxYjltYjY5Yy1iMmFIMzI4YzJiM2E=",   "OffsetMinutes" : 0 }</pre>

## 11.3.4. Response parameters

<b>Id</b>	An unique ID or your report
<b>CreatedDate</b>	Report creation date
<b>StartedDate</b>	Reporting period start date.
<b>CompletedDate</b>	Reporting period end date.
<b>ReportType</b>	Reserved value
<b>ReportStatus</b>	Transaction states: Pending – Waiting for credit card details Approved – Payment successful Declined – Payment failed Processing – Waiting for 3DS confirmation page
<b>ReportStatusCode</b>	Transaction state codes: Pending = 0 Approved = 1 Declined = 2 Processing = 3
<b>Progress</b>	Percentage of completion
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 11.3.5. Response example

Response body
---------------

```
{
  "id": 95,
  "createdDate": "2020-07-31T10:47:10.1301098",
  "startedDate": "2020-07-23T00:00:00",
  "completedDate": "2020-07-25T00:00:00",
  "reportType": 0,
  "reportStatusCode": 3,
  "reportStatus": "Completed",
  "progress": 100,
  "errorCode": 0,
  "responseMessage": null
}
```

## 11.4. Download report

### 11.4.1. Request URL

<https://api.misterpay.com/api/merchant/report/download>

### 11.4.2. Request parameters

<b>EntityId</b>	An unique ID or your report	Required
<b>Session</b>	The unique token received in response of the Authorization request	Required
<b>OffsetMinutes</b>	The difference in hours and minutes from Coordinated Universal Time (UTC) Allowed format = '120' (UTC +02)	Required
<b>Extension</b>	Report file extension Allowed values = 'csv' or 'xlsx'	Required

### 11.4.3. Transaction example

#### Request URL

<https://api.misterpay.com/api/merchant/report/download>

#### Request

```
{
  "EntityId" : "95",
  "Session" : "YW5kcmV3QGFzc2V0cGFHMuY29tfDMmVILTQxYjltYjY5Yy1iMmFIMzI4YzJiM2E=",
  "OffsetMinutes" : 0,
  "Extension" : "csv"
}
```

## 11.4.4. Response parameters

<b>Id</b>	An unique ID of your report
<b>Data</b>	Report body
<b>FileName</b>	Report file name
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 11.4.5. Response example

Response body
<pre>{   "id": 95,   "data": "UESDBBQAAAAIAOVN/1Czc98RuBAAAwAAAAVXNlcigyNTQpIC0g.....QBeAAAABgEAAAAA",   "fileName": "User(254) - Report(95) - 07-23-20 - 07-25-20.csv.zip",   "errorCode": 0,   "responseMessage": null }</pre>

## 12. SUBSCRIPTION BILLING (RECURRING PAYMENTS)

Subscription Billing is the fastest way for your business to bill customers with subscriptions or invoices. With subscriptions, customers make recurring payments for access to a product. A subscription might not seem much different from a one-time purchase but to manage subscription payments you need to retain more information about your customers, so you can charge them automatically in the future and maintain appropriate access to your product.

### 12.1. Create subscription (Sale Iframe method)

The first method to subscribe customer is make a purchase with Sale Iframe method and token option enabled.

#### 12.1.1. Request URL

<https://api.misterpay.com/api/merchant/subscription/sale>

#### 12.1.2. Request parameters

The first step is to send a Sale Iframe initial transaction with recurring options enabled.



# MisterPay Specification

This can be done using the Recurrent = true, CreateToken = true and subscription attributes mentioned below.

<b>CreateToken</b>	Map a token to a credit card number. Required value = true	Required
<b>Recurrent</b>	Create a subscription. Required value = true	Required
<b>SubscriptionAmount</b>	Amount to be charged, including taxes and fees. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
<b>SubscriptionCurrency</b>	The currency type assumed for the amount. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Required
<b>StartDate</b>	Set the billing start date. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
<b>FirstPaymentDate</b>	Set the date of the first transaction. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
<b>EndDate</b>	Set the billing end date. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
<b>SubscriptionFrequency</b>	Define the number of total charges to be made and on what schedule. Allowed values = "Daily, Weekly, Monthly, Quarterly, Halfearly, Yearly"	Required
<b>SubscriptionType</b>	Define the subscription type. Allowed values = "ChargeCard, SendInvoice"	Required

\* Refer the section 3.1.1.4 to see Sale Iframe specific parameters.

## 12.1.3. Transaction example

Request URL
<a href="https://api.misterpay.com/api/merchant/subscription/sale">https://api.misterpay.com/api/merchant/subscription/sale</a>
Request
<pre>{   "ProcessingId": 1,   "TemplateId": 0,   "OperationMode": "Iframe",   "TransactionType": "Sale",   "Lang": "ENG",</pre>

```
"MerchantInternalUserId": "67890",
"MerchantInternalOrderId": "12345",
"FirstName": "Mike",
"LastName": "Wazowsky",
"Phone": "+12703456677",
"Email": "customer@site.com",
"Address": "125, Rodeo Drive",
"Zone": "NY",
"City": "New York",
"Region": "NY",
"State": "NY",
"ZIP": "12345",
"CountryIso": "US",
"ConvertText": false,
"StatusUrl": "https://www.site.com/status",
"ReturnUrl": "https://www.site.com/return",
"DynamicDescriptor": "Purchase at site.com",
"CustomMerchantInfo": "Order 12345",
"Products": [
  {
    "ProductSku": "SCU-12345",
    "ProductName": "Teddy bear",
    "ImageUrl": "https://www.site.com/bear.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 80.00,
    "Tax": 5.00,
    "TaxType": 1,
  },
  {
    "ProductSku": "SCU-67890",
    "ProductName": "Small mouse",
    "ImageUrl": "https://www.site.com/mouse.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 10.00,
    "Tax": 5.00,
    "TaxType": 1,
  }
],
"Amount": 100.00,
"AltAmount": 0.00,
"Currency": "USD",
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10",

"CreateToken": true,
"MerchantInternalUserId": 555666777,
"Recurrent": true,
"SubscriptionAmount": 15.00,
```

```
"SubscriptionCurrency": "USD",
"StartDate": "2021-03-01T17:00:00",
"FirstPaymentDate": "2021-03-01T18:00:00",
"EndDate": "2021-03-04T00:00:00",
"SubscriptionFrequency": "Daily",
"SubscriptionType": "ChargeCard"
}
```

## Response with IFRAME form

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": "<script> \r\nvar head = document.getElementsByTagName('head')[0];\r\nvar s = document.createElement('script');\r\ns.type = 'text/javascript';\r\ns.src = 'https://forms.misterpay.com/js/quick_form.js';\r\nhead.appendChild(s);\r\ns.onload = function () {\r\nQuickForm.initialize('03e5515f-7cd8-49ce-9284-5d78ff1390d9');\r\n}\r\n</script>\r\n<iframe \r\n\r\nid='quick_external_payment_form'\r\n\r\nsource='https://forms.misterpay.com/api/forms/PaymentForm/?param=MTg2ZDVkOTMtMhMWZhNjc5&fdata=lu9CzGDm4YS%2fN5QDqhK%2fkfuTDTBs1O%2fK7ZcsCSi4wjg%3d&ldata=ehcbQCQO7Cr4BXj%2f5bySBPVegYztELxT%2fJUNFTgpbI8%3d'\r\n\r\nstyle='z-index: 9999; margin-top: 60px; display: block; border: 0px none transparent; overflow-x: hidden; overflow-y: auto; visibility: visible; margin: 0px; padding: 0px; -webkit-tap-highlight-color: transparent; position: fixed; left: 0px; top: 0px; width: 100%; height: 100%; background: transparent;'>\r\n\r\n</iframe>",
  "RedirectUrl3DS": null,
  "TransactionState": "Pending",
  "TransactionStateCode": 0,
  "TransactionId": 3412613,
  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## Showing the form

```
<?php
  $externalForm = $result['htmlIframeForm'];
  echo $externalForm;
?>
```

## Form example

```
<html>
<head>
  <script>
    var head = document.getElementsByTagName('head')[0];
    var s = document.createElement('script');
    s.type = 'text/javascript';
    s.src = 'https://forms.misterpay.com/js/quick_form.js';
    head.appendChild(s);
```

```
s.onload = function () {
    QuickForm.initialize('03e5515f-7cd8-49ce-9284-5d78ff1390d9');
}
</script>
<script type="text/javascript" src="https://forms.misterpay.com/js/quick_form.js"></script>
</head>
<body>
<iframe id="quick_external_payment_form"
source="https://forms.misterpay.com/api/forms/PaymentForm/?param=MGYxZTJkOTctNWUyZi00NmFkLWlZyZtY2E5ZDg0YjdY2Y5&fdata=lu9CzGDm4YS%2fN5QDqhK%2fKfuTDTBs1O%2fK7ZcsCSi4wjg%3d&ldata=ehcbQCQO7Cr4BXj%2f5bySBPVegYztELxT%2fJUNFTgpbI8%3d" style="z-index: 9999; margin-top: 60px; display: block; border: 0px none transparent; overflow-x: hidden; overflow-y: auto; visibility: visible; margin: 0px; padding: 0px; -webkit-tap-highlight-color: transparent; position: fixed; left: 0px; top: 0px; width: 100%; height: 100%; background: transparent;"
src="https://forms.misterpay.com/api/forms/PaymentForm/?param=MGYxZTJkOTctNWUyZi00NmFkLWlZyZtY2E5ZDg0YjdY2Y5&fdata=lu9CzGDm4YS%2fN5QDqhK%2fKfuTDTBs1O%2fK7ZcsCSi4wjg%3d&ldata=ehcbQCQO7Cr4BXj%2f5bySBPVegYztELxT%2fJUNFTgpbI8%3d">
</iframe>
</body>
</html>
```

## 12.1.4. Callback example

The MisterPay System uses JSON POST to send transaction callback response.

### Callback body

```
{
  "Payment": {
    "OperationType": "Sale",
    "OperationTypeCode": 0,
    "TransactionId": 6901268,
    "PaymentSystemId": 1,
    "TransactionDate": "2021-02-10T21:05:39.5891198",
    "TerminalId": null,
    "BankOrderId": null,
    "Eci": null,
    "Rrn": null,
    "Signature": "c465de827a5a26e2578dfcc141ef56bf",
    "Status": "Approved",
    "StatusCode": 1,
    "ErrorCode": 0,
    "ErrorDescription": null,
    "IsRedirect3DS": false,
    "InvoiceId": null
  },
}
```

```
"Order": {
  "OrderId": "12345",
  "CustomInfo": "Comment",
  "Amount": 20.00,
  "Currency": "USD",
  "AltAmount": 0.00,
  "AltCurrency": null,
  "Fee": 0.55,
  "CreditAmount": 19.45
},
"Card": {
  "NameOnCard": "Mike Wazovsky",
  "CardBin": 523523,
  "CardBrand": "MC",
  "CardType": null,
  "CardLevel": null,
  "CardBank": null,
  "CardCountry": "USA",
  "PaymentToken": "78444d7b-efbb-4031-a3bd-359f00b1c579",
  "CardMask": "523523*****9603"
},
"Customer": {
  "CustomerId": "67890",
  "FirstName": "Mike",
  "LastName": "Wazowsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com"
},
"Address": {
  "Address": "125, Rodeo Drive",
  "City": "New York",
  "Zone": null,
  "Country": "US",
  "Zip": "12345"
},
"Recurrent": {
  "SubscriptionId": 27,
  "SubscriptionStatus": "Enabled",
  "CustomerId": "555666777",
  "CustomerEmail": "customer@site.com",
  "OrderId": "12345",
  "Recurring": true
},
"IpAddress": "185.177.242.87"
}
```

## 12.2. Create subscription (Sale Token method)

The second method to subscribe customer is make a purchase with Sale Token method.

## 12.2.1. Transaction example

### Initial request URL

<https://api.misterpay.com/api/merchant/subscription/sale>

### Requesting transactionID

```
{
  "ProcessingId": 1,
  "TemplateId": 0,
  "OperationMode": "Iframe",
  "TransactionType": "Token",
  "MerchantInternalUserId": "67890",
  "MerchantInternalOrderId": "12345",
  "FirstName": "Mike",
  "LastName": "Wazowsky",
  "Phone": "+12703456677",
  "Email": "customer@site.com",
  "Address": "125, Rodeo Drive",
  "Zone": "NY",
  "City": "New York",
  "Region": "NY",
  "State": "NY",
  "ZIP": "12345",
  "CountryIso": "US",
  "ConvertText": false,
  "StatusUrl": "https://www.site.com/status",
  "ReturnUrl": "https://www.site.com/return",
  "DynamicDescriptor": "Purchase at site.com",
  "CustomMerchantInfo": "Order 12345",
  "Products": [
    {
      "ProductSku": "SCU-12345",
      "ProductName": "Teddy bear",
      "ImageUrl": "https://www.site.com/bear.jpg",
      "ProductItemsNum": 1.00,
      "ProductPrice": 80.00,
      "Tax": 5.00,
      "TaxType": 1,
    }
  ],
  "Amount": 100.00,
  "AltAmount": 0.00,
  "Currency": "USD",
}
```

```
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10",

"Recurrent":true,
"SubscriptionAmount":15,
"SubscriptionCurrency":"USD",
"StartDate":"2021-03-01T17:00:00",
"FirstPaymentDate":"2021-03-01T18:00:00",
"EndDate":"2021-03-04T00:00:00",
"SubscriptionFrequency":"Daily",
"SubscriptionType":"ChargeCard"
}
```

## Response with transactionID

```
{
  "PaymentToken": null,
  "PaymentTokenExpireDate": null,
  "HtmlIframeForm": null,
  "RedirectUrl3DS": null,
  "TransactionState": "Pending",
  "TransactionStateCode": 0,

  "TransactionId": '3412659',

  "ErrorCode": 0,
  "ResponseMessage": null
}
```

## Signature calculation

```
<?php

$key = '03e5515f-7cd8-49ce-9284-5d78ff1390d9';
$secret = 'b6e6b617-88b0-4102-8f8f-704327fa6d9f';
$transactionId = '3412659';
$Signature = 'dbe8539bc7be53eee345860662cb4be2';

$requestSign = $key.'.'.$transactionId.'.'.strtoupper($secret);
$Sign = hash_hmac('md5',$requestSign,$secret);

?>
```

## Token sale request URL

<https://api.misterpay.com/api/payment/token>

## Completing token request

```
{
  "AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
  "TransactionId": "3412659",
  "CardToken": "e34eda6b-a314-461b-b4d4-939ff24686ec",
  "Signature": "dbe8539bc7be53eee345860662cb4be2"
}
```

## 12.2.2. Callback example

Refer the section 12.1.4 to see callback example.

## 12.3. Delete Subscription

### 12.3.1. Authorization Request URL

<https://portal.misterpay.com/account/ExternalLogin>

### 12.3.2. Request parameters

<b>Login</b>	A user login in (Email) to access MisterPay management portal.	Required
<b>Password</b>	A user password to access MisterPay management portal.	Required

### 12.3.3. Transaction example

Request URL
<a href="https://portal.misterpay.com/account/ExternalLogin">https://portal.misterpay.com/account/ExternalLogin</a>
Request
<pre>{   "Login": "email@site.com",   "Password": "12345" }</pre>

### 12.3.4. Response parameters

<b>Token</b>	An unique session ID
<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation



## 12.3.5. Response example

### Response body

```
{
  "token": "YW5kcmV3QGFzc2V0cGFHMuY29tfDMmVILTQxYjltYjY5Yy1iMmFIMzI4YzJiM2E=",
  "errorCode": 0,
  "responseMessage": null
}
```

## 12.3.6. Delete Subscription Request URL

<https://api.misterpay.com/api/merchant/subscription/delete>

## 12.3.7. Request parameters

<b>SubscriptionId</b>	Subscription ID should be deleted.	Required
<b>Session</b>	The token from the authorization request.	Required

## 12.3.8. Transaction example

### Request URL

<https://api.misterpay.com/api/merchant/subscription/delete>

### Request

```
{
  "SubscriptionId": 31,
  "Session": "77PcudFN8fUNwNurHeWNaXNG5IAsMS6h65TyE0lI3boHA65yJ3UNf1jYMoPiLtJXbGT"
}
```

## 12.3.9. Response parameters

<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

## 12.3.10. Response example

### Response body

```
{  
  "errorCode": 0,  
  "responseMessage": null  
}
```

## 12.4. Subscription details

### 12.4.1. Request URL

<https://api.misterpay.com/api/merchant/subscription/get>

### 12.4.2. Request parameters

<b>SubscriptionId</b>	Subscription ID should be deleted.	Required
<b>Session</b>	The token from the authorization request.	Required

### 12.4.3. Transaction example

Request URL
<a href="https://api.misterpay.com/api/merchant/subscription/get">https://api.misterpay.com/api/merchant/subscription/get</a>
Request
<pre>{   "SubscriptionId": 31,   "Session": "77PcudFN8fUNwNurHeWNaXNG5IAsMS6h65TyE0lI3boHA65yJ3UNf1jYMoPiLtJXbGT" }</pre>

### 12.4.4. Response parameters

<b>ErrorCode</b>	Success value = 0
<b>ResponseMessage</b>	Error description in case of failed operation

### 12.4.5. Response example

Response body
<pre>{   "id": 31,   "merchant": "https://test.com",   "customerName": "Mike Wazowsky", }</pre>

```
"customerEmail": "email@site.com",
"merchantInternalUserId": "555666777",
"customMerchantInfo": "Comment",
"isDisabled": false,
"startDate": "2021-03-29T00:00:00",
"firstPaymentDate": "2021-03-29T09:00:00",
"endDate": "2021-03-30T00:00:00",
"subscriptionStatusEnum": 1,
"subscriptionFrequencyEnum": 1,
"subscriptionTypeEnum": 0,
"subscriptionStatus": "Enabled",
"subscriptionFrequency": "Daily",
"subscriptionType": "ChargeCard",
"amount": 18.00,
"currency": "USD",
"frequencyDayMark": null,
"errorCode": 0,
"responseMessage": null
}
```

## 12.5. Subscriptions List

### 12.5.1. Request URL

<https://api.misterpay.com/api/merchant/subscription/getall>

### 12.5.2. Request parameters

<b>Session</b>	The token from the authorization request.	<b>Required</b>
----------------	---	-----------------

### 12.5.3. Transaction example

#### Request URL

<https://api.misterpay.com/api/merchant/subscription/getall>

#### Request

```
{
  "Session": "77PcudFN8fUNwNurHeWNaXNG5lAsMS6h65TyE0lI3boHA65yJ3UNf1jYMoPiLtJXbGT"
}
```

### 12.5.4. Response example

## Response body

```
{
  "list": [
    {
      "id": 31,
      "merchant": "https://test.com",
      "customerName": "Mike Wazovsky",
      "customerEmail": "email@site.com",
      "merchantInternalUserId": "555666777",
      "customMerchantInfo": "Comment",
      "isDisabled": false,
      "startDate": "2021-03-29T00:00:00",
      "firstPaymentDate": "2021-03-29T09:00:00",
      "endDate": "2021-03-30T00:00:00",
      "subscriptionStatusEnum": 1,
      "subscriptionFrequencyEnum": 1,
      "subscriptionTypeEnum": 0,
      "subscriptionStatus": "Enabled",
      "subscriptionFrequency": "Daily",
      "subscriptionType": "ChargeCard",
      "amount": 18.00,
      "currency": "USD",
      "frequencyDayMark": null,
      "errorCode": 0,
      "responseMessage": null
    }
  ],
  "totalPages": 1,
  "loaded": 0,
  "currentPage": 1,
  "isLastPage": true,
  "errorCode": 0,
  "responseMessage": null
}
```

## 12.6. Update subscription

### 12.6.1. Request URL

<https://api.misterpay.com/api/merchant/subscription/update>

### 12.6.2. Request parameters

<b>SubscriptionId</b>	Subscription ID should be updated.	Required
<b>SubscriptionStatus</b>	Subscription state.	Required

# MisterPay Specification

	Required values = Enabled, Disabled	
Session	The token from the authorization request.	Required
Recurrent	Create a subscription. Required value = true	Required
SubscriptionAmount	Amount to be charged, including taxes and fees. Allowed value format = '0.00' Two (2) digits after decimal point!	Required
SubscriptionCurrency	The currency type assumed for the amount. For example: 'USD', 'EUR', 'RUB', 'UAH' etc. Three (3) capital characters!	Required
StartDate	Set the billing start date. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
FirstPaymentDate	Set the date of the first transaction. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
EndDate	Set the billing end date. Allowed format = 'YYYY-MM-DD' ('2019-10-31') or 'YYYY-MM-DDTHH:MM:SSZ' (2019-10-31T18:00:00Z)	Required
SubscriptionFrequency	Define the number of total charges to be made and on what schedule. Allowed values = "Daily, Weekly, Monthly, Quarterly, Halfearly, Yearly"	Required
SubscriptionType	Define the subscription type. Allowed values = "ChargeCard, SendInvoice"	Required

\* Refer the section 3.1.1.4 to see Sale Iframe specific parameters.

\*\* Refer the section 12.3.1 to see Authorization specific parameters.

## 12.6.3. Transaction example

Request URL
<code>https://api.misterpay.com/api/merchant/subscription/update</code>
Request
<pre>{   "SubscriptionId": 30,   "SubscriptionStatus": "Enabled",   "Session": "77PcudFN8dwf34bnp2wH/RW2S2KTYWEtx8ZbErkfUNwNurHeWNaXNGXbGT",    "ProcessingId": 1,   "TemplateId": 0, }</pre>

```
"OperationMode": "Iframe",
"TransactionType": "Sale",
"Lang": "ENG",
"MerchantInternalUserId": "67890",
"MerchantInternalOrderId": "12345",
"FirstName": "Mike",
"LastName": "Wazowsky",
"Phone": "+12703456677",
"Email": "customer@site.com",
"Address": "125, Rodeo Drive",
"Zone": "NY",
"City": "New York",
"Region": "NY",
"State": "NY",
"ZIP": "12345",
"CountryIso": "US",
"ConvertText": false,
"StatusUrl": "https://www.site.com/status",
"ReturnUrl": "https://www.site.com/return",
"DynamicDescriptor": "Purchase at site.com",
"CustomMerchantInfo": "Order 12345",
"Products": [
  {
    "ProductSku": "SCU-12345",
    "ProductName": "Teddy bear",
    "ImageUrl": "https://www.site.com/bear.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 80.00,
    "Tax": 5.00,
    "TaxType": 1,
  },
  {
    "ProductSku": "SCU-67890",
    "ProductName": "Small mouse",
    "ImageUrl": "https://www.site.com/mouse.jpg",
    "ProductItemsNum": 1.00,
    "ProductPrice": 10.00,
    "Tax": 5.00,
    "TaxType": 1,
  }
],
"Amount": 100.00,
"AltAmount": 0.00,
"Currency": "USD",
"AltCurrency": "",
"AssetPaymentsKey": "03e5515f-7cd8-49ce-9284-5d78ff1390d9",
"IpAddress": "10.10.10.10",

"CreateToken": true,
```

```
"MerchantInternalUserId":555666777,  
"Recurrent":true,  
"SubscriptionAmount":15.00,  
"SubscriptionCurrency":"USD",  
"StartDate":"2021-03-01T17:00:00",  
"FirstPaymentDate":"2021-03-01T18:00:00",  
"EndDate":"2021-03-04T00:00:00",  
"SubscriptionFrequency":"Daily",  
"SubscriptionType":"ChargeCard"  
}
```

## Response with IFRAME form

```
{  
  "subscriptionId": 30,  
  "subscriptionStatus": "Enabled",  
  "errorCode": 0,  
  "responseMessage": null  
}
```