

AfterPay

ingenico
ePayments

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1. Introduction

This documentation informs you on the integration (with [e-Commerce](#)) and use of the AfterPay payment method.

2. Integration with e-Commerce

You need to send some additional parameters with each order. This can only be done via a POST request.

2.1 Standard Ingenico ePayments fields

The following parameters can or must be submitted for every transaction:

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Field	Description	Format	Mandatory
AMOUNT	Total amount of the order (VAT included), multiplied by 100 (to avoid decimal issues), so 1.00 x 100 --> 100	N	Y
CURRENCY	Alpha ISO code of the currency (EUR, GBP, CHF, etc.)	AN, 3	Y
LANGUAGE	Client Localised Language (nl_NL, nl_BE, fr_FR, etc.) If not submitted, the default language used is English.	AN, 5	N
OPERATION	Defines the type of request, overriding the Default operation code	Values: RES / SAL	N
ORDERID	Your unique order reference	AN, 40	Y
PSPID	Your unique identifier on our system	AN, 30	Y

2.2 Invoicing and delivery data

The following parameters can or must be submitted with each order for AfterPay:

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Field	Description	Format	Mandatory
CIVILITY	Invoicing title (M/V)	AN, 10	Y
ECOM_BILLTO_POSTAL_NAME_FIRST	Invoicing first name	AN, 35	Y
ECOM_BILLTO_POSTAL_NAME_LAST	Invoicing last name	AN, 35	Y
OWNERADDRESS	Invoicing street name	AN, 35	Y
ECOM_BILLTO_POSTAL_STREET_NUMBER	Invoicing street number	AN, 10	Y
OWNERZIP	Invoicing ZIP/postcode	AN, 10	Y
OWNERTOWN	Invoicing city	AN, 25	Y
OWNERCTY	Invoicing country code (BE, FR, NL, DE etc.)	AN, 2	Y
EMAIL	Invoicing email address	AN, 50	Y

Field	Description	Format	Mandatory
OWNERTELNO	Invoicing telephone number	AN, 30 (AfterPay accepts max. 10)	Y
ECOM_SHIPTO_POSTAL_NAME_PREFIX	Delivery name prefix (Mr, Miss, etc.)	AN, 10	N
ECOM_SHIPTO_POSTAL_NAME_FIRST	Delivery first name	AN, 35	Y
ECOM_SHIPTO_POSTAL_NAME_LAST	Delivery last name	AN, 35	Y
ECOM_SHIPTO_POSTAL_STREET_LINE1	Delivery address	AN, 35	Y
ECOM_SHIPTO_POSTAL_STREET_NUMBER	Delivery street number	AN, 10	Y
ECOM_SHIPTO_POSTAL_POSTALCODE	Delivery ZIP/postcode	AN, 10	Y
ECOM_SHIPTO_POSTAL_CITY	Delivery city	AN, 25	Y
ECOM_SHIPTO_POSTAL_COUNTRYCODE	Delivery country code (BE, FR, NL, DE etc.)	AN, 2	Y
ECOM_SHIPTO_ONLINE_EMAIL	Delivery email address	AN, 50	N
ECOM_SHIPTO_DOB	Delivery customer's date of birth	dd/mm/yyyy	Y
DATEIN	Delivery date and time	mm/dd/yyyy hh:mm:ss	N
ORDERSHIPMETH	Delivery method	AN, 25	N
ORDERSHIPCOST	Delivery cost, excluding VAT Amount multiplied by 100	N, 10	N
ORDERSHIPTAX	Delivery tax amount Amount multiplied by 100	N	N
ORDERSHIPTAXCODE	Delivery tax code (e.g. 19%)	N, 10	N
Extra parameters for B2B			
REF_CUSTOMERREF	Chamber of Commerce number (KVK)	AN, 20	Y
ECOM_SHIPTO_COMPANY	Delivery company	AN, 50	Y
ECOM_SHIPTO_TVA	VAT number	AN, 20	Y
REF_CUSTOMERID	Customer number	AN, 17	N
COSTCENTER	Company department	AN, 20	N

2.3 Order data

The following parameters can or must be submitted with each order for AfterPay:

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Field	Description	Format	Mandatory
ITEMIDx	Item identification (replace "x" with a number to send multiple items: ITEMID1, ITEMID2, etc.)	AN, 15	Y
ITEMNAMEx	Item name (replace "x" with a number to send multiple items: ITEMNAME1, ITEMNAME2, etc.)	AN, 40	Y
ITEMPRICEx	Item price (replace "x" with a number to send multiple items: ITEMPRICE1, ITEMPRICE2, etc.)	N, 15	Y
ITEMQUANTx	Item quantity (replace "x" with a number to send multiple items: ITEMQUANT1, ITEMQUANT2, etc.)	N, 15	Y
ITEMCATEGORYx	Item category (replace "x" with a number to send multiple items: ITEMCATEGORY1, ITEMCATEGORY2, etc.)	AN, 50	N
ITEMVATCODEx	Item VAT code (replace "x" with a number to send multiple items: ITEMVATCODE1, ITEMVATCODE2, etc.)	percentage	Y
TAXINCLUDEDX	<p>If "1" is sent as the value for this parameter, the ITEMPRICEX is considered to include VAT, and our system will not calculate the VAT for the item.</p> <p>This feature is recommended as it avoids any issues when rounding off the order line totals.</p> <p>(replace X with a number to send multiple items: TAXINCLUDED1, TAXINCLUDED2, etc.)</p>	N: 1	N

Note: The total amount should be multiplied by 100 in order to avoid any confusion over the decimal separator. However, this technique is NOT implemented at detail level, where the decimal separator should be included and should always be a full stop "." This allows the merchant to submit amounts with more than 2 decimals if he wishes.

Ascending order of line item details for SHA calculation

Please take into account that as from 10 line item details the order of the parameters for the SHA calculation may differ from what is expected on your system's side.

Where for the calculation of the SHA we normally stress that all parameters should be sorted alphabetically, a "logical" ascending order is put in place for the line item details:

- Ascending order: 1, 2, 3, 4, 5, 6, 7, etc.
- Alphabetical order: 1, 10, 11, 2, 3, 4, etc. (NOT applied)

2.4 Example

The following form simulates an AfterPay transaction with all required fields.

Please ensure you replace the PSPID value with your own value, and calculate your SHA signature accordingly.

```
<form id="form1" method="POST" action="https://ogone.test.v-psp.com/ncol/test/orderstandard.asp">
<!-- standard Ingenico ePayments fields -->
<input type="text" name="ORDERID" value="order123"/><br/>
<input type="text" name="AMOUNT" value="1309"/><br/>
<input type="text" name="LANGUAGE" value="nl_NL"/><br/>
<input type="text" name="PSPID" value="[yourpspid]"/><br/>
<input type="text" name="CURRENCY" value="EUR"/><br/>

<!-- Invoicing Information -->
<input type="text" name="CIVILITY" value="M"/><br/>
<input type="text" name="ECOM_BILLTO_POSTAL_NAME_FIRST" value="John"/><br/>
<input type="text" name="ECOM_BILLTO_POSTAL_NAME_LAST" value="Doe"/><br/><br/>
<input type="text" name="OWNERADDRESS" value="test street"/><br/>
<input type="text" name="ECOM_BILLTO_POSTAL_STREET_NUMBER" value="66"/><br/>
<input type="text" name="OWNERZIP" value="3000 AA"/><br/>
<input type="text" name="OWNERTOWN" value="Rotterdam"/><br/>
<input type="text" name="OWNERCTY" value="NL"/><br/>
<input type="text" name="OWNERTELNO" value="0302333459"/><br/>
<input type="text" name="EMAIL" value="john@doe.com"/><br/>

<!-- Delivery Information -->
<input type="text" name="ECOM_SHIPTO_DOB" value="08/10/1940"/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_NAME_FIRST" value="John"/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_NAME_LAST" value="Doe"/><br/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_STREET_LINE1" value="postal street"/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_STREET_NUMBER" value="66"/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_POSTALCODE" value="3000 AA"/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_CITY" value="Rotterdam"/><br/>
<input type="text" name="ECOM_SHIPTO_POSTAL_COUNTRYCODE" value="NL"/><br/>
<input type="text" name="ECOM_SHIPTO_ONLINE_EMAIL" value="john@doe.com"/><br/>

<!-- order details, item 1 -->
<input type="text" name="ITEMID1" value="1"/><br/>
<input type="text" name="ITEMNAME1" value="first item"/><br/>
<input type="text" name="ITEMPRICE1" value="11.90"/><br/>
<input type="text" name="ITEMQUANT1" value="1"/><br/>
<input type="text" name="ITEMVATCODE1" value="19%"/><br/>
<input type="text" name="TAXINCLUDED1" value="1"/><br/>

<!-- order details, item 2 -->
<input type="text" name="ITEMID2" value="2"/><br/>
<input type="text" name="ITEMNAME2" value="Shipping costs"/><br/>
<input type="text" name="ITEMPRICE2" value="1.00"/><br/>
<input type="text" name="ITEMQUANT2" value="1"/><br/>
<input type="text" name="ITEMVATCODE2" value="19%"/><br/>
<input type="text" name="TAXINCLUDED2" value="0"/><br/>
```

```
<!-- B2B parameters (if applicable) -->
<input type="text" name="REF_CUSTOMERREF" value ="12345"/><br/>
<input type="text" name="ECOM_SHIPTO_COMPANY" value ="MyCompany"/><br/>
<input type="text" name="ECOM_SHIPTO_TVA" value ="123456789"/><br/>
<input type="text" name="REF_CUSTOMERID" value ="0123456789"/><br/>
<input type="text" name="COSTCENTER" value = "Finance"/><br/>

<!-- don't forget your SHA-IN signature! -->
SHASIGN<input type="text" name="SHASIGN" value="[your SHA-IN signature]"/><br/>

<input type="submit" value="submit"/>
</form>
```


3. Transaction feedback

3.1 Order details

All order details can be viewed in your Ingenico ePayments account, via the Operations menu, using the "View transactions" link.

At the bottom of the order details, you will see the items and VAT:

Item ID	Item name	Item price (excl. VAT)	Quantity	Price (excl. VAT)	VAT %	
510623	Office keyboard	35.4959 EUR	1.0000	35.50 EUR	21.00 %	
120698	Express shipping	9.2479 EUR	1.0000	9.25 EUR	21.00 %	
ServiceKosten	Service kosten AfterPay	0.8182 EUR	1.0000	0.82 EUR	21.00 %	
			VAT %	excl. VAT	VAT	
			21.00 %	45.57 EUR	9.56 EUR	
				Order amount	VAT on order	Total charge
				45.57 EUR	9.56 EUR	55.13 EUR

3.2 Errors

In the event of an error, a specific error code (parameter NCERROR) will be returned. The merchant can optionally use this input to enhance his feedback on how the customer can correct or complete his input.

The following table contains a non-exhaustive list of possible errors:

Error code	Description
50001220	Invalid Customer Phone number
50001221	Invalid postal code format
50001222	Name / Last name missing
50001223	Name / Last name format invalid
50001224	Missing Customer Phone number
50001225	Name / Last name format invalid

4. Refunds

In order to have the possibility to perform refund operations, please ensure you have the "Refund" option available on your account. If in doubt, please contact unser Vertriebssteam.

When you look at a transaction, click on the "Advanced" button at the bottom of the screen, which will reveal the refunding options.

If you click on "Refund", our system will show a detail screen in which you can specify the items to be refunded.

* Mandatory fields

ID	*Item name	*Item price (EUR)	*VAT rate (%)	incl. VAT	Ref.	*Quantity	
10	OLYMPUS STYLUS 750 7.1MP DIGITAL CAMERA	192.7100	19	<input checked="" type="checkbox"/>		1	DELETE
SHIPPIN	FLAT RATE - FIXED	5.9500	0	<input checked="" type="checkbox"/>		1	DELETE

By default, the Quantity column will contain the order quantities, which means that if you don't change the values, the whole order will be refunded. In order to partially refund a transaction, adapt the quantities (or use the "Delete" button for each item) in order to prevent certain articles from being refunded.

Note that the "VAT incl." column indicates whether or not the respective amounts include VAT.

Click "Submit" to confirm the refund.

5. Maintenance

5.1 DirectLink

Maintenance operations (refunds and captures) can be performed via DirectLink.

Note: You must have the Ingenico ePayments DirectLink option activated in your Ingenico ePayments account in order to use this feature. Please contact unser Vertriebssteam for more information about this product.

5.1.1 Data

The following fields can or must be submitted with each maintenance operation request:

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Field	Description	Format	Mandatory
AMOUNT	Total amount to be refunded, including VAT.	N	Y
CURRENCY	Transaction currency (EUR, CHF, USD, GBP, etc.)	AN, 3	Y
OPERATION	<p>Operation to be performed.</p> <ul style="list-style-type: none"> RFD = Partial refund RFS = (Last) Partial or Full refund <p>For a full list of possible operations, please refer to the Parameter Cookbook in your Ingenico ePayments account.</p>	AN, 3	N
ORDERID	Your unique order reference	AN, 30	Y
PAYID	Our payment reference, which was sent to you after the initial transaction	N	Y
PSPID	Your unique identifier on our system	AN, 30	Y
PSWD	The user's password	AN, 20	Y
USERID	User performing the maintenance. This is needed for security reasons. The user needs to have API privileges (cf. the User Manager documentation for more details)	AN, 20	Y

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Field	Description	Format	Mandatory
ITEMIDX	Item identification (replace X with a number to send multiple items: ITEMID1, ITEMID2, etc.)	AN, 15	Y
ITEMNAMEX	Item name (replace X with a number to send multiple items: ITEMNAME1, ITEMNAME2, etc.)	AN, 30	Y
ITEMPRICEX	Item price (replace X with a number to send multiple items: ITEMPRICE1,	N	Y

Field	Description	Format	Mandatory
	ITEMPRICE2, etc.)Multiplied by 100 (unlike the original submission)		
ITEMQUANTX	Item quantity (replace X with a number to send multiple items: ITEMQUANT1, ITEMQUANT2, etc.)	N	Y
ITEMVATCODEX	Item VAT code (replace X with a number to send multiple items: ITEMVATCODE1, ITEMVATCODE2, etc.)	Percentage	Y
TAXINCLUDEDX	<ul style="list-style-type: none"> If this field equals 1, then the ITEMPRICEX is considered to include VAT, and our system will not calculate the VAT for the item. If this field is equal to 0 (or left blank, or not sent) our system will calculate the VAT for the item based on the ITEMVATCODEX <p>This feature is intended to avoid any issues when rounding off the order line totals.(replace X with a number to send multiple items: TAXINCLUDED1, TAXINCLUDED2, etc.)</p> <p>(replace X with a number to send multiple items: TAXINCLUDED1, TAXINCLUDED2, etc.)</p>	0 or 1	N

5.1.2 Example

```

<form action="https://ogone.test.v-psp.com/ncol/test/maintenancedirect.asp" method="post">
<input type="text" name="PSPID" value="[your pspid]"/><br/>
<input type="text" name="USERID" value="[username]"/><br/>
<input type="text" name="PSWD" value="[password]"/><br/>
<input type="text" name="PAYID" value="[payid]"/><br/>
<input type="text" name="ORDERID" value="[order id]"/><br/>
<input type="text" name="AMOUNT" value="119"/><br/>
<input type="text" name="OPERATION" value="RFD"/><br/>
<input type="text" name="CURRENCY" value="EUR"/><br/>

<input type="text" name="ITEMID1" value="1"/><br/>
<input type="text" name="ITEMNAME1" value="first item"/><br/>
<input type="text" name="ITEMPRICE1" value="119"/><br/>
<input type="text" name="ITEMQUANT1" value="1"/><br/>
<input type="text" name="ITEMVATCODE1" value="19%"/><br/>
<input type="text" name="TAXINCLUDED1" value="1"/><br/>
<input type="submit" name="submit" value="submit"/>
</form>

```

Note: The SHA Signature is not required for maintenance operations.

A test page for DirectLink is available here: <https://ogone.test.v-psp.com/ncol/test/testdm.asp?details=1>

```

OHL:[your pspid];[your password];[your username];
OHF:[file name];MTR;RFD;1;
MTR;EUR;;;;;;;;[PAYID];RFD;;;[your pspid];1;;;;;;;;;119;

```

```
DET;1;2;first item;119;1;19%;;;;;;;
OTF;
```

Partial maintenance: Please note that the given example applies in exactly the same way to partial/multiple maintenance operations. This means that also the line item details are mandatory in e.g. partial refund requests.

For more information, go to [DirectLink](#).

5.2 Batch

Maintenance operations (refunds, captures) can be done via Batch.

Note: You must have the Ingenico ePayments Batch option activated in his Ingenico ePayments account in order to use this feature. Please contact unser Vertriebssteam for more information about this product.

5.2.1 Data

The following information should be sent along with each batch file:

Login information: OHL

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Position	Field	Format
1	Fixed value: 'OHL'. This indicates that the line contains login information	/
2	PSPID, the merchant's unique identifier on our platform	AN, 30
3	The API user's password	AN, 20
4	(leave empty)	
5	The API username	AN, 20

File information: OHF

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Position	Field	Format
1	Fixed value: 'OHF'. This indicates that the line contains file information	/
2	Name of the submitted file	AN, 50
3	Fixed value: 'MTR'. This indicates that a maintenance operation is being performed on an existing transaction	/
4	Operation Code: <ul style="list-style-type: none"> RFD = Partial refund RFS = (Last) Partial or Full refund 	AN, 3

Position	Field	Format
5	Number of Transactions affected by the current file	N

Transaction information: MTR

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Position	Field	Format
1	Fixed value: 'MTR'. This indicates that the line contains transaction information	/
2	Currency	AN, 3
3-8	(leave empty)	
9	PAYID, the unique reference generated and provided by our system in the initial transaction feedback	N
10	Operation Code: <ul style="list-style-type: none"> • RFD = Partial refund • RFS = (Last) Partial or Full refund 	AN, 3
11-13	(leave empty)	
14	PSPID, the merchant's unique identifier on our platform	
15	(leave empty)	
16	Number of detail lines for the current transaction	N
17-33	(leave empty)	
34	Amount of the Operation, multiplied by 100	N

Line Details: DET

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Position	Field	Format
1	Fixed value: 'DET'. This indicates that the line contains a detail line	/
2	Quantity	N
3	Item ID	AN, 15
4	Item name	AN, 30
5	Item unit price, Multiplied by 100 to avoid rounding off issues	N
6	Indicates whether the price is: 1 includes VAT or 0 excludes VAT	AN, 1

Position	Field	Format
7	VAT rate, in the form of a percentage (including the % symbol) This is required, even if the amount includes VAT	N%
8-15	(leave empty)	

End of File: OTF

Format: AN= Alphanumeric / N=Numeric, maximum allowed amount of characters

Position	Field	Format
1	Fixed value: 'OTF'. This indicates that it is the last line of the file	/

5.2.2 Example

```
OHL;[your pspid];[your password];[your username];
OHF;[file name];MTR;RFD;1;
MTR;EUR;[PAYID];RFD;[your pspid];1;119;
DET;1;2;first item;119;1;19%;
OTF;
```

Partial maintenance: Please note that the given example applies in exactly the same way to partial/multiple maintenance operations. This means that also the line item details are mandatory in e.g. partial refund requests.

For more information, go to [Batch](#).