



Limonetik

Integration Guide

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Document history

Date	Name	Change
07.08.2017	Peter Posse	Options for Facilypay and Cofidis added
04.10.2016	Peter Posse	First version

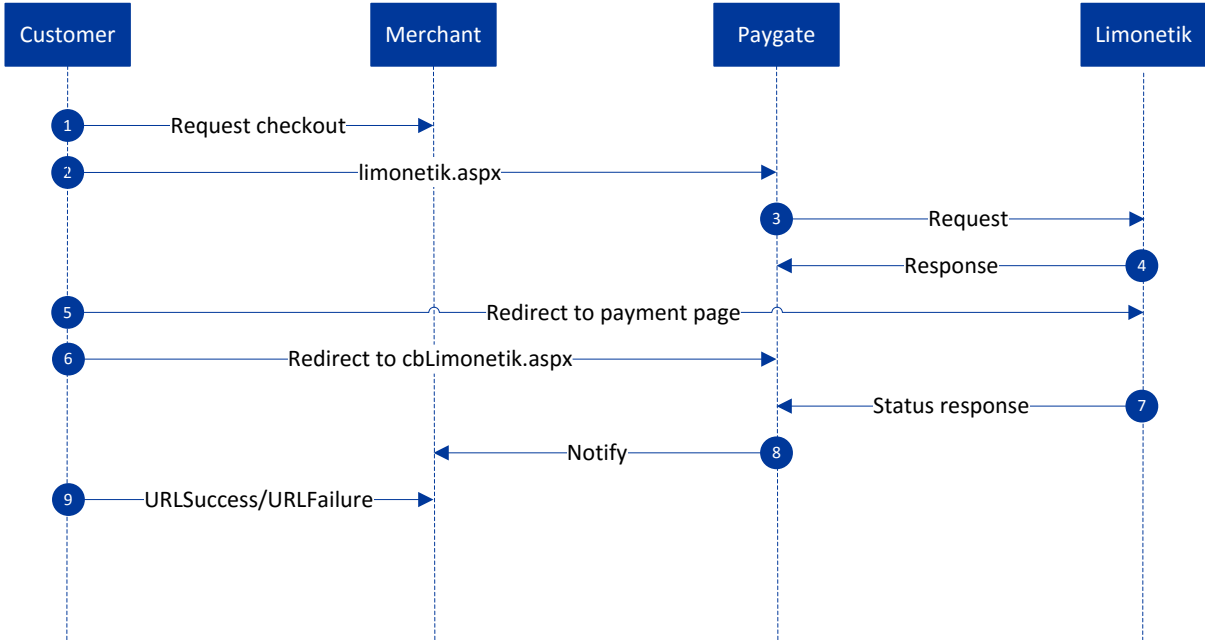
ABOUT LIMONETIK

General information about Limonetik

In France, Computop customers can offer the local payment methods Cofidis, 1euro.com, Cetelem and Facilypay which specialize in instalment payments for credit card transactions. Online shoppers can pay for orders conveniently by credit card, however are not charged to the full amount in a one-off transaction but in fixed instalments over several months. Merchants receive the amount due immediately after the order has been actuated and so have high payment security. In addition to the instalment payment methods, Computop offers Cheque-Vacances (eANCV), a payment method which enables shoppers to shop online with vouchers. With the new payment methods which are extremely popular in France, merchants can achieve a increase in their turnover rates in French eCommerce.

Further information can be found on the webpage of Limonetik (www.limonetik.com/en/).

Process flow chart



Limonetik process flow

PAYGATE INTERFACE

Definitions

Data formats:

Format	Description
a	alphabetical
as	alphabetical with special characters
n	numeric
an	alphanumeric
ans	alphanumeric with special characters
ns	numeric with special characters
bool	boolean expression (true or false)
3	fixed length with 3 digits/characters
..3	variable length with maximum 3 digits/characters
enum	enumeration of allowed values
dtm	ISODateTime (YYYY-MM-DDDhh:mm:ss)

Abbreviations:

Abbreviation	Description
CND	condition
M	mandatory
O	optional
C	conditional

Notice: The names of parameters can be returned in upper or lower case.

Call of Paygate interface for Limonetik

To make a payment with Limonetik over a Paygate form, go to the following URL:

<https://www.computop-paygate.com/limonetik.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ans..30	O	Unique reference number
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
TaxAmount	n..12	O	Tax amount of the entire order in the smallest currency unit (e.g. EUR Cent).
Currency	a3	M	Currency, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..128	O	Description of purchased goods, unit prices etc.
Capture	ans..6	O	Determines the type and time of capture. AUTO : capturing immediately after authorisation (default value). MANUAL : capturing made by the merchant. <Number> : Delay in hours until the capture (whole number; 1 to 696). Important Note: Please contact the Computop Support to discuss the different fields of application for Manual.
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. The URL may be called up only via port 443 This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .
URLFailure	ans..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. The URL may be called up only via port 443 This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .
Response	a7	O	Status response sent by Paygate to URLSuccess and URLFailure , should be encrypted. For this purpose, transmit Response=encrypt parameter.
URLNotify	ans..256	M	Complete URL which Paygate calls up in order to notify the shop about the payment result. The URL may be called up only via port 443 It may not contain parameters: Use the UserData parameter instead.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
ReqId	ans..32	O	To avoid double payments, enter an alphanumeric value which identifies your transaction and may be assigned only once. If the transaction is submitted again with the same ReqID, Paygate will not carry out the payment, but will just return the status of the original transaction.
PayType	ans..21	M	Payment method that shall be used. Possible values: cofidis3xcb cofidis4xcb 1euro echequevacances facilypay-3x facilypay-3xsansfrais facilypay-4x

			facilypay-4xsansfrais
Invoicing address			
CompanyName	ans..50	C	Company name, if shop delivery, StorePickup, Network-Pickup or TravelPickup is selected
CustomerID	ans..20	C	Customer number Mandatory with Facilypay
CustomerClassification	a..12	C	Hint about customer type. Possible values: Professional, Individual Mandatory with Facilypay
CustomerInformation	ans..100	C	Additional information about the customer Mandatory with Facilypay
Salutation	ans..20	C	Salutation Mandatory with Facilypay and Cofidis
FirstName	ans..50	C	First name Mandatory with Facilypay and Cofidis
LastName	ans..50	C	Last name Mandatory with Facilypay and Cofidis
Street	ans..80	C	Street name and street number Mandatory with Facilypay and Cofidis
AddressAddition	ans..80	O	Address c/o
ZIPCode	ans..10	C	Postcode Mandatory with Facilypay and Cofidis
City	ans..100	C	City Mandatory with Facilypay and Cofidis
CountryCode	a2	C	Two characters country code according to ISO 3166-1 alpha-2 Mandatory with Facilypay and Cofidis
Email	ans..100	C	E-mail address Mandatory with Facilypay and Cofidis
Phone	ns..50	OC	Phone number: is not mandatory for FacilityPay if parameter MobileNo is transmitted. e.g. +49123456789 Mandatory with Cofidis
MobileNo	ns..50	OC	Mobile phone number: is not mandatory for FacilityPay if parameter Phone is transmitted. e.g. +49123456789 Mandatory with Cofidis
Language	as5	O	Language for displaying the form. Default value: fr-FR
Delivery address			
sdCompanyName	ans..50	C	Company name in the delivery address Mandatory with Facilypay if ShippingData Type StorePickup, NetworkPickup, TravelPickup or Other is selected
sdSalutation	ans..20	C	Salutation in the delivery address Mandatory with Facilypay
sdFirstName	ans..50	C	First name in the delivery address Mandatory with Facilypay
sdLastName	ans..50	C	Last name in the delivery address Mandatory with Facilypay
sdStreet	ans..80	O	Street name and street number in the delivery address Mandatory with Facilypay
sdAddressAddition	ans..80	O	Address addition in the delivery address

sdZipCode	ans..10	C	Postcode in the delivery address Mandatory with Facilypay
sdCity	ans..100	C	Town/city in the delivery address Mandatory with Facilypay
sdCountryCode	a2	C	Country code for the delivery address, 2 characters according to ISO 3166-1. Mandatory with Facilypay
sdPhone	ans..50	OC	Phone number: is not mandatory for FacilyPay if parameter MobileNo is transmitted. e.g. +49123456789
sdMobileNo	ans..50	OC	Mobile phone number: is not mandatory for FacilyPay if parameter Phone is transmitted. e.g. +49123456789
Product information			
ArticleList	ans..1024	C	<p>Article list. Mandatory with Facilypay. These parameters must have the following structure: ID,Description,UnitPrice,Quantity,Category,Brand Several articles can be separated with a +, e.g.: 123,iPhone 6s,700,1,Phones,Apple+321,Galaxy S7,700,2,Phones,Samsung</p> <p>Possible values for Category:</p> <ul style="list-style-type: none"> • ComputersAndSoftware • Electronics • Phones • Appliances • HomeAndGarden • Fashion • HealthAndBeauty • Jewellery • Sport • LeisureAndHobbies • CarsAndMotorbikes • Furniture • KidsAndBaby • VideoGamesAndConsoles • ToysAndGames • Pets • FoodAndDrink • GiftAndFlowers • Entertainment • Travel • AuctionsAndGroupBuying • ServicesForIndividuals • ServicesForProfessionals
ShippingData	ans..1024	C	<p>Delivery data. Mandatory with Facilypay. These parameters must have the following structure: Type,Description,Speed,ExpectedDate,ExpectedDelay</p> <p>e.g.: Other,DHL,Standard,2016-06-30,3</p> <p>Possible values for Type:</p> <ul style="list-style-type: none"> • StorePickup • NetworkPickup • TravelPickup • Carrier • EDelivery • Other

			Possible values for Speed: <ul style="list-style-type: none"> Express Standard
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Parameters for payments with Limonetik

The following table describes the result parameters that the Paygate transmits to your **URLNotify**, **URLSuccess** or **URLFailure**. If you have specified the **Response=encrypt** parameter, the following parameters are forwarded Blowfish encrypted to your system:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
RefNr	ns..30	O	Unique reference number
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
CodeExt	ans..256	C	Error code from Limonetik. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
ErrorText	ans..256	C	Detailed Limonetik error message. Notice: Is returned only if Status=FAILED. Use is possible only in agreement with Computop support.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
TransactionID	ans..50	O	ID for identification of payment form

Results parameters for URLNotify, URLSuccess and URLFailure

Capture

Captures are possible via a Server-to-Server connection. To carry out a Capture for Limonetik via a Server-to-Server connection please use the following URL:

<https://www.computop-paygate.com/capture.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be captured

TransID	ans..64	M	TransactionID which should be unique for each payment
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a..3	M	Currency code, three digits DIN / ISO 4217
RefNr	ns..30	O	Merchant's unique reference number
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for Limonetik captures

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RefNr	ns..30	M	Merchant's unique reference number

Result parameters for Limonetik captures

Credit with reference

Credits (refunds) are possible via a Server-to-Server connection. For a Credit with reference to a capture the amount of the Credit is limited to the amount of the previous capture. To carry out a credit with a reference transaction, please use the following URL:

<https://www.computop-paygate.com/credit.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore please use the correct data type for each parameter.

Notice: With Facilypay a refund usually is possible only 48 hours after the payment. Limonetik stores the refund request and retries the request to Facilypay until this will be processed. During this time the transaction is "Suspended" and no other refunds are possible.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be credited
TransID	ans..64	M	TransactionID which should be unique for each payment
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent)

			Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a..3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for credits of Limonetik payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Result parameters for credits of Limonetik payments

Reversal

To cancel a transaction with Limonetik, please use the following URL:

<https://www.computop-paygate.com/reverse.aspx>

Notice: For security reasons, Paygate rejects all payment requests with formatting errors. Therefore please use the correct data type for each parameter.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment to be reverted
TransID	ans..64	M	TransactionID which should be unique for each payment
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a..3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for reversals of Limonetik payments

The following table describes the Paygate response parameters:

Parameter	Format	CND	Description
MID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	ID assigned by Paygate for the payment, e.g. for referencing in batch files.
XID	an32	M	ID for all single transactions (authorisation, capture, credit note) for one payment assigned by Paygate
TransID	ans..64	M	Merchant's transaction number
Status	a..50	M	OK or FAILED
Description	ans..1024	M	Further details in the event that payment is rejected. Please do not use the Description but the Code parameter for the transaction status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)

Result parameters for reversals of Limonetik payments

BATCH PROCESSING VIA THE INTERFACE

Basic information about using Batch files and about their structure you can find inside the separate manual for the Batch manager.

This section describes the parameters which must be transferred within the data set (**Record**) for executing of captures, credits and reversals for Limonetik and which information can be found within the response file about the payment status.

Following table gives an overview of all batch versions that are possible for a specific action and their specialities:

Action	Version	Description
Capture	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)
Credit	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x	with RefNr (valid for all versions other than 1.0)
Reverse	1.0 / 2.0	Standard version without return of parameter Code
	1.x / 2.x.	with RefNr (valid for all versions other than 1.0)

Description of the possible batch versions

The structure for a Limonetik payment within a Batch file to be submitted is the following:

```
HEAD,<MerchantID>,<Date>,<Version>
Limonetik,Capture,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
Limonetik,Credit,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
Limonetik,Reverse,<Amount>,<Currency>,<TransID>,( <RefNr>,) <PayID>
FOOT,<CountRecords>,<SumAmount>
```

The following table describes the individual fields and values used within the data set (record) in the batch file:

Parameter	Format	CND	Description
Type	a..11	M	HEAD for Header, FOOT for Footer, Limonetik for Limonetik
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
Amount	n..12	M	Amount in the smallest currency unit (e.g. EUR Cent) Please contact the helpdesk, if you want to capture amounts < 100 (smallest currency unit).
Currency	a3	M	Currency code, three digits DIN / ISO 4217
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ns..30	O	Unique reference number
PayID	an32	M	ID for this transaction given by Paygate

Description of fields within the record for Batch files

The record area within the response file for Batch transactions looks the following way:

```
HEAD,<MerchantID>,<Date>,<Version>
Limonetik,Capture,<Amount>,<Currency>,<TransID>,(,<RefNr>,<PayID>,<Status>,<Code>
Limonetik,Credit,<Amount>,<Currency>,<TransID>,(,<RefNr>,<PayID>,<Status>,<Code>
Limonetik,Reverse,<Amount>,<Currency>,<TransID>,(,<RefNr>,<PayID>,<Status>,<Code>
FOOT,<CountRecords>,<SumAmount>
```

The following table describes the response parameters which the Batch Manager saves in the Record area for each transaction (standard parameters not explained here, such as <TransID> or <RefNR> and request parameters are returned unchanged and correspond to the call as specified before):

Parameter	Format	CND	Description
Action	a..20	M	The parameter Action defines the type of transaction: Capture Credit Reverse (cancellation)
PayID	an32	M	ID for this transaction given by Paygate
Status	a..50	M	OK or FAILED
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)

Description of result parameters within the record for Batch files