



MasterPass

Integration Guide

Version 6.2.2

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Document history

Date	Name	Change
24.04.2018	Peter Posse	Parameter skipAuth added
04.10.2016	Peter Posse	First version based on Paygate Manual 6.10 and 6.09

ABOUT MASTERPASS

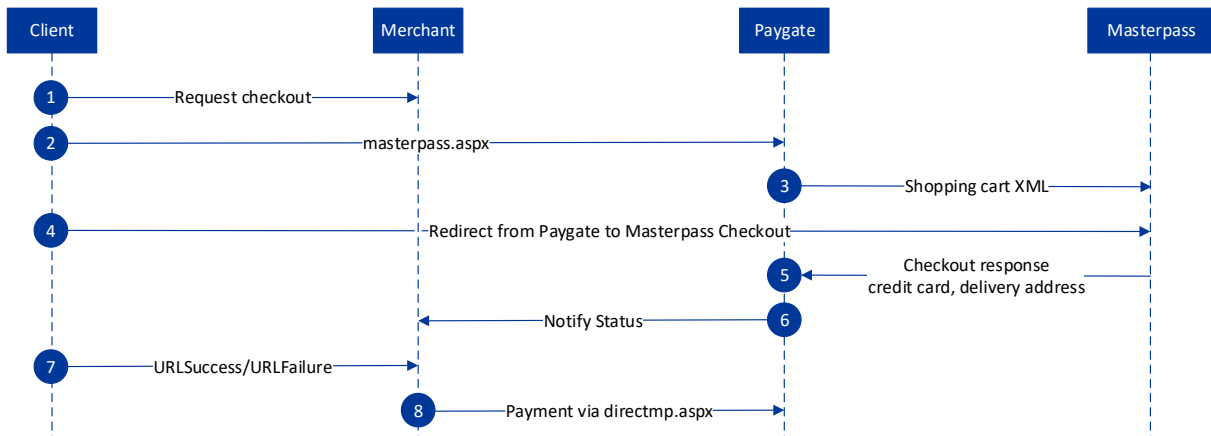
General information about MasterPass



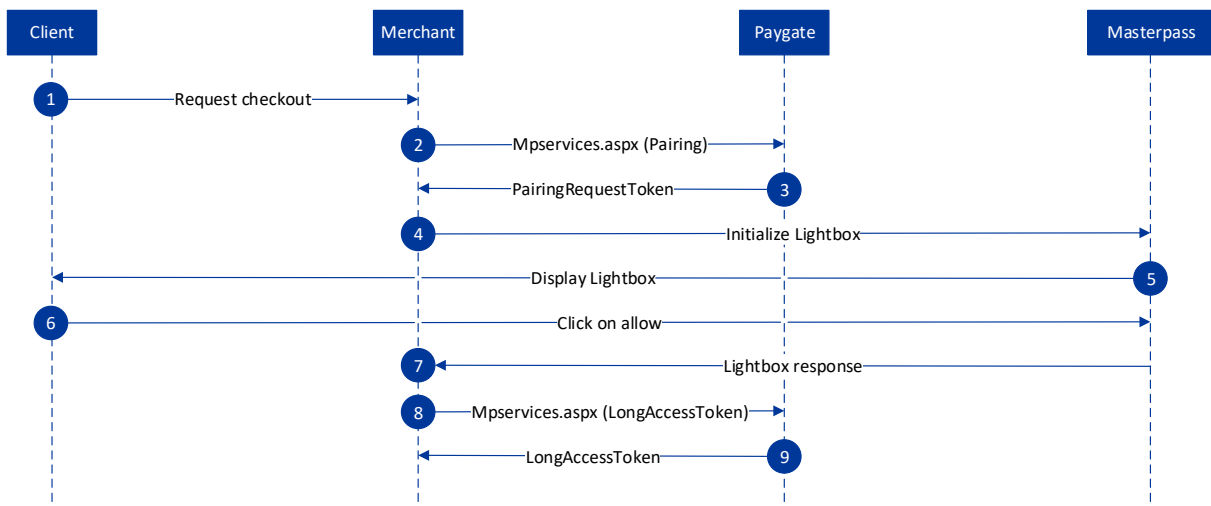
MasterPass is a wallet provided by MasterCard that makes credit card payments quicker, easier and more secure. MasterPass allows payments in online shops but also in actual shops with your Smartphone and the MasterPass app or NFC. Settlement is via all standard credit and debit cards.

Further information you can be found on the website of MasterPass (http://www.mastercard.com/de/privatkunden/innovationen_masterpass.html).

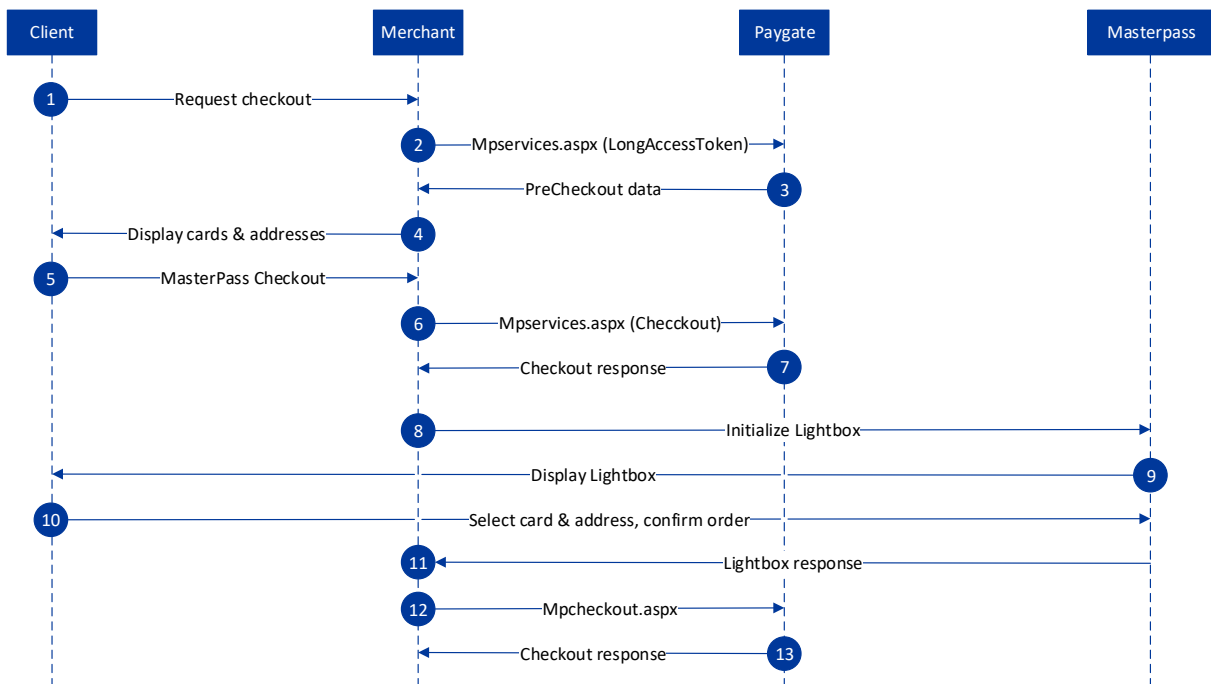
Process flow charts



Process flow MasterPass V2



Process flow MasterPass V6, Pairing



Process flow MasterPass V6, Checkout with optional Pre-Checkout

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: Please note that the names of parameters can be returned in upper or lower case.

Call of MasterPass interface for V2

A credit card payment by MasterPass Checkout always consists of two steps. Firstly, the required credit card data is detected in the MasterPass transaction via the **MasterPass.aspx** interface. Subsequently, the actual credit card transaction must be executed via the separate **directmp.aspx** interface. This takes place via a server-to-server connection and supports all usual credit card transaction options. Unlike those, however, you do not transmit the credit card data which are unknown to you, but instead the IDs that you received from MasterPass beforehand in the first step.

In order to make a credit card payment with MasterPass, go to the following URL:

<https://www.computop-paygate.com/MasterPass.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	M	Unique reference number. Format must be mutually agreed beforehand with Computop!
Amount	n12	M	Total amount of all articles within the shopping basket without delivery costs. 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, three digits DIN / ISO 4217
MAC	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..200	M	Description of purchased goods, unit prices etc.
ArticleList	ans..768	M	Article list with description of items and prices: <Article description>;<quantity>;<price>;<ImageURL> <;> separates the fields of an article data set <+> separates the article data sets Article description: max. 50 characters quantity: Quantity without comma Price: Quantity * Unit price Image-Url: optional; Picture 40x40 pixel from the shop
AcceptableCards	ans..100	M	Card labels which are displayed to the buyer on the MasterPass page for selection. Comma-separated values without spaces. Allowed: master,amex,diners,discover,maestro,visa
ShippingProfile	ans..5	O	Shipping Location Profile ID: US, CS, FR, MEX, NA, UK
SuppressShippingAddress	ans..5	O	if true the delivery address is not displayed on the MasterPass page, e.g. in the case of digital goods
RewardProgram	ans..5	O	true if reward data are to be returned
AuthLevelBasic	ans..5	O	true if 3D-authentication is to be reset from Advanced to Basic
URLSuccess	ans..256	M	Complete URL which calls up Paygate if payment has been successful. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .

URLFailure	asns..256	M	Complete URL which calls up Paygate if payment has been unsuccessful. This URL may not contain parameters: In order to exchange values between Paygate and shop, please use the parameter UserData .
Response	a7	M	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 in the request, Paygate submits the parameters to the shop with the payment status.
Name	ans..100	O	Name of Customer (delivery address) Only if Name is specified the other parts of delivery address are used.
AddrStreet	ans..40	O	Street name (delivery address)
AddrStreet2	ans..40	O	Apartment or room number (delivery address)
AddrStreet3	ans..255	O	Address addition (delivery address)
AddrCity	ans..25	O	Town or city (delivery address)
AddrZip	ans..20	O	Post code (delivery address)
AddrCountryCode	an2	O	Country code in the delivery address, 2 characters according to ISO 3166-1
AddrState	an5	O	Abbreviation of the customer's Federal State according to ISO 3166-2, e.g.: DE-BW (delivery address)
Phone	ans..20	O	Customer's telephone number (delivery address)

Parameters for credit card payments with MasterPass-Checkout V2

The following table describes the result parameters that the Paygate transmits to your **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
MasterPassID	ans..32	M	ID assigned by Paygate for the MasterPass transaction Important for the subsequent payment.
TransactionID	ans..255	M	Transaction number from MasterPass. Important for the subsequent payment.
Status	a..30	M	OK (URLSuccess-page) or FAILED (URLFailure-page)
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 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	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	ans..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.
Name	ans..100	M	Name of Customer (delivery address)
AddrStreet	ans..40	M	Street name (delivery address)

AddrStreet2	ans..40	M	Apartment or room number (delivery address)
AddrStreet3	ans..255	M	Address addition (delivery address)
AddrCity	ans..25	M	Town or city (delivery address)
AddrZip	ans..20	M	Post code (delivery address)
AddrState	an5	M	Abbreviation of the customer's Federal State according to ISO 3166-2, e.g.: DE-BW (delivery address)
Phone	ans..20	M	Customer's telephone number (delivery address)
AddrCountryCode	an2	M	Country code in the delivery address, 2 characters according to ISO 3166-1
BillingName	ans..100	O	Name of Customer (billing address)
BillingAddrStreet	ans..40	O	Street name (billing address)
BillingAddrStreet2	ans..40	O	Apartment or room number (billing address)
BillingAddrStreet3	ans..255	O	Addition (billing address)
BillingAddrCity	ans..25	O	Town or city (billing address)
BillingAddrZip	ans..20	O	Post code (billing address)
BillingAddrState	an5	O	Abbreviation of the customer's Federal State according to ISO 3166-2, e.g.: DE-BW (billing address)
BillingAddrCountryCode	an2	O	Country code in the billing address, 2 characters according to ISO 3166-1
ConFirstName	ans..20	M	First name of contact person (AP)
ConLastName	ans..20	M	Last name. (AP)
ConGender	a1	M	Gender (AP): M, F
ConCountry	a2	M	Country code (AP)
ConEMail	ans..512	M	E-mail address (AP)
ConPhone	ans..20	M	Telephone number (AP)
ConDateOfBirth	n8	M	Date of birth (AP) in the format YYYYMMDD
RewNumber	ans..	M	Reward customer number
RewID	ans..	M	ID of reward programme
RewName	ans..	M	Name of reward programme
RewExpiry	ans..	M	Reward valid until

Response parameters for URLSuccess and URLFailure with MasterPass V2

The following table gives the results parameters which the Paygate transfers to **URLNotify**:

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
MasterPassID	ans..32	M	ID assigned by Paygate for the MasterPass transaction Important for the subsequent payment.

TransactionID	ans..255	M	Transaction number from MasterPass. Important for the subsequent payment.
Status	a..30	M	OK (URLSuccess-page) or FAILED (URLFailure-page)
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 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	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
RefNr	ans..30	O	Merchant's unique reference number
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop.

Response parameters for URLNotify with MasterPass V2

After completion of the MasterPass transaction, merchants are able to execute the credit card payment. To do this, visit the following URL for the server-to-server connection:

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

The transfer parameters and return values correspond, with the following exceptions, to those of a standard credit card payment, as described as general parameters in the credit card payment manual. The necessary credit card details **CCNr**, **CCCVC**, **CCExpiry** and **CCBrand** originate from the MasterPass transaction and do not have to be transferred here. Instead, transfer the following two transfer parameters as reference.

Parameter	Format	CND	Description
MasterPassID	ans..32	M	ID assigned by Paygate for the MasterPass transaction Important for the subsequent payment.
TransactionID	ans..255	M	Transaction number from MasterPass. Important for the subsequent payment.

Additional transfer parameters for credit card payment with MasterPass

Call of MasterPass interface for V6

A credit card payment via MasterPass V6 requires at least two requests to the Paygate as well as invoking the MasterPass lightbox. The first request to the Paygate is directed to interface `MPS-services.aspx`. The response gives you parameters which are needed for invoking the MasterPass lightbox. Script details for invoking the lightbox gets the merchant directly from MasterPass. The lightbox shows the MasterPass wallet. There the customer logs in and chooses his credit card and delivery address. The lightbox then transfers the parameters needed for finalizing the payment from the wallet to Paygate. In the last step also the credit card payment is authorized via interface `MPCheckout.aspx`.

There are four **Masterpass-Services**: `Pairing`, `LongAccessToken`, `PreCheckout` as well as `Checkout & Checkout_Pairing`. For the simple process call the service `Checkout` directly. But if you want to use `PreCheckout` and the data from customer's wallet you must call all services subsequently.

Pairing one-time connects the merchant's shop with customer's MasterPass wallet. After successful pairing the merchant can proceed with the checkout.

After the customer has confirmed the pairing within his wallet, you call the service **LongAccessToken**. You must store the LongAccessToken for that customer. Only if you have a valid LongAccessToken, you can use the service PreCheckout. After each PreCheckout you will get a new LongAccessToken. This also is valid only for one PreCheckout.

With the service PreCheckout you can read data from customer's wallet. This occurs without active customer participation. It is sufficient that the customer grants the merchant a one-time access via pairing. Which data are available is defined during pairing. With the parameter RequestedDataTypes you define which data to get for the present request. For the credit card numbers only the last four digits are transferred. Within your shop you show the customer the data from the wallet. The customer selects his credit card, delivery address etc. already within the shop.

With the service **Checkout- or Checkout_Pairing** you prepare the call of the customer wallet for finalizing the purchase. Here you transfer the shopping basket. If you select Checkout_Pairing the customer sees the pairing page within his wallet. In the response you will get the RequestToken or rather the PairingToken for displaying the MasterPass lightbox.

After the checkout service you transfer the data from the customer to the MasterPass lightbox. The customer only has to confirm the purchase with his password without displaying the content of his wallet.

In order to execute a MasterPass service in the first step, call the following URL:

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

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

Following tables describes the transfer parameters to be encrypted and the response parameters of the services.

MasterPass-Service: Pairing

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. Format must be mutually agreed beforehand with Computop!
EventToken	ans..40	M	MasterPass service to be executed: Pairing
URLOrigin	ans..255	M	Url of the page, from where the lightbox is called
MAC	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for MasterPass service Pairing

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
RefNr	ans..30	O	Merchant's unique reference number
Status	a..30	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 status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
PairingRequestToken	ans..80	M	Will be transferred as parameter pairingRequestToken at call of lightbox

Result parameters for MasterPass service Pairing

MasterPass-Service: LongAccessToken

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	PayID form the pairing process
TransID	ans..64	O	TransactionID which should be unique for each payment
RefNr	ans..30	O	Unique reference number. Format must be mutually agreed beforehand with Computop!
EventToken	ans..40	M	MasterPass service to be executed: LongAccessToken
PairingToken	ans..80	M	Is delivered from MasterPass as response parameter from lightbox
PairingVerifier	ans..80	M	Is delivered from MasterPass as response parameter from lightbox
MAC	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for MasterPass service LongAccessToken

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	O	Merchant's transaction number
RefNr	ans..30	O	Merchant's unique reference number
Status	a..30	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 status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
LongAccessTok en	ans..80	M	This LongAccessToken is needed for calling the Pre-Checkout.

Result parameters for MasterPass service LongAccessToken

MasterPass-Service: PreCheckout

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. Format must be mutually agreed beforehand with Computop!
EventToken	ans..40	M	MasterPass service to be executed: PreCheckout
URLOrigin	ans..255	M	Url of the page, from where the lightbox is called
RequestedDataTypes	ans..80	M	List of data areas to be retrieved. Possible values (comma separated): CARD,PROFILE,ADDRESS,REWARD_PROGRAM
LongAccessToken	ans..80	M	Token of the LongAccessToken service or from previous PreCheckout
MAC	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for MasterPass service PreCheckout

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
RefNr	ans..30	O	Merchant's unique reference number
Status	a..30	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 status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
PreCheckoutXML	ans..80	M	Data from Customer's wallet within XML format
LongAccessToken	ans..80	M	This LongAccessToken is needed for calling the next PreCheckout

Result parameters for MasterPass service PreCheckout

MasterPass-Service: Checkout & Checkout Pairing

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	O	PayID from the PreCheckout service
TransID	ans..64	M	TransactionID which should be unique for each payment
RefNr	ans..30	O	Unique reference number. Format must be mutually agreed beforehand with Computop!
EventToken	ans..40	M	MasterPass service to be executed: Checkout & Checkout_Pairing
URLOrigin	ans..255	M	Url of the page, from where the lightbox is called
Amount	n..12	M	Total amount of all shopping basket articles without delivery costs. 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, three digits DIN / ISO 4217
ArticleList	ans..768	M	Article list with description of items and prices: <Article description>;<quantity>;<price>;<ImageURL> <;> separates the fields of an article data set <+> separates the article data sets Article description: max. 50 characters Quantity: Quantity without comma Price: Quantity * Unit price Image-Url: optional; Picture 40x40 pixel from the shop
MAC	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm

Parameters for MasterPass service Checkout & Checkout_Pairing

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
RefNr	ans..30	O	Merchant's unique reference number
Status	a..30	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 status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)
RequestToken	ans..80	M	Is needed as parameter for calling the lightbox
PairingRequestToken	ans..80	MC	Only with Checkout_Pairing: Is needed as parameter for calling the lightbox

Result parameters for MasterPass service Checkout & Checkout_Pairing

MasterPass-Checkout

In order to finalize a MasterPass process and to initiate the credit card payment, call the following URL:

<https://www.computop-paygate.com/MPCheckout.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 parameter skipAuth=yes the execution of a credit card payment can be prevented. Later the credit card payment can be triggered via interface directmp.aspx using the same parameters like for MasterPass V2, as can be seen above.

Notice: Here you can also transfer parameters which are used especially for the credit card payment. These are simply forwarded for the authorization. Which parameters are possible you will find within the documentation of the respective payment method.

The following table describes the encrypted payment request parameters:

Parameter	Format	CND	Description
MerchantID	ans..30	M	MerchantID, assigned by Computop
PayID	an32	M	PayID from the previous Checkout service
TransID	ans..64	O	TransactionID which should be unique for each payment. This will be used for credit card payment. If TransID is not specified, the TransID from the previous service will be used.
RefNr	ans..30	O	Unique reference number. Format must be mutually agreed beforehand with Computop! This will be used for credit card payment. If RefNr is not specified, the RefNr from the previous service will be used.
Amount	n..12	M	Total amount of all shopping basket articles without delivery costs. 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, three digits DIN / ISO 4217
MAC	ans..64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..200	M	Description of purchased goods, unit prices etc.
UserData	ans..1024	O	If specified in the request, Paygate submits the parameters to the shop with the payment status.
SkipAuth	a..5	O	yes: No credit card payment is executed. Within the response additional contact data, delivery and billing address are returned like with MasterPass.aspx V2 (see above). The credit card payment has to be triggered via the directmp.aspx (see above).
CheckoutToken	ans..80	M	Lightbox return parameter oauthToken
CheckoutVerifier	ans..80	M	Lightbox return parameter oauthVerifier
CheckoutUrl	ans..255	M	Lightbox return parameter checkoutUrl
PairingToken	ans..80	O	pairing_token : is needed for checkout with pairing
PairingVerifier	ans..80	O	pairing_verifier : is needed for checkout with pairing
Name	ans..100	O	Name of Customer (delivery address) Only if Name is specified the other parts of delivery address are used.
AddrStreet	ans..40	O	Street name (delivery address)
AddrStreet2	ans..40	O	Apartment or room number (delivery address)
AddrStreet3	ans..255	O	Address addition (delivery address)
AddrCity	ans..25	O	Town or city (delivery address)
AddrZip	ans..20	O	Post code (delivery address)
AddrCountryCode	an2	O	Country code in the delivery address, 2 characters according to ISO 3166-1
AddrState	an5	O	Abbreviation of the customer's Federal State according to ISO 3166-2, e.g.: DE-BW (delivery address)
Phone	ans..20	O	Customer's telephone number (delivery address)

Parameters for credit card payments with MasterPass-Checkout V6

The following table describes the Paygate response parameters: The parameters correspond to the credit card payment. Further response parameters you can find within the documentation of your credit card payment method.

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	ans..30	O	Merchant's unique reference number
Status	a..30	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 status analysis!
Code	n8	M	Error code according to Paygate Response Codes Excel file (part of the software client from www.computop.de/manual)

Response parameters for credit card payments with MasterPass-Checkout V6

Calling the interface for a capture

Captures are possible via a Server-to-Server connection. To carry out a Capture for MasterPass 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
RefNr	ns..30	O	Merchant reference number: here a separate reference number, e.g. an invoice number, can be transferred
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
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
FinishAuth	a1	O	Transmit value <Y> in order to stop the prolongation of guaranteed authorizations and rest amounts after partial captures.
Note	ans..37	O	Text that will be displayed as reason for payment to the customer

Parameters for MasterPass 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 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	O	Merchant's unique reference number

Result parameters for MasterPass 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>

The following tables describe the transfer parameters and return values which are exchanged via the socket connection.

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 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	a3	M	Currency code, three digits DIN / ISO 4217
MAC	an64	M	Hash Message Authentication Code (HMAC) with SHA-256 algorithm
OrderDesc	ans..768	O	Description of refunded goods, unit prices, merchant's comment etc.
UserData	ans..1024	O	If specified at request, Paygate forwards the parameter with the payment result to the shop
CredNo	ans..	O	Credit number. Will be set to "0" if not transmitted.

Parameters for credits of MasterPass 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 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 MasterPass payments