



## Mobile Connect (premium) MT Gateway

=====

### CONTENTS

=====

1. Connecting to the gateway
2. Parameters
3. Response codes
4. Delivery reports
5. Examples

#### Appendix A: Field Types

=====

### 1. CONNECTING TO THE GATEWAY

=====

Access to the gateway is via the Internet. The gateway offers one web address which is connected to several backup servers through VRRP to achieve redundancy. This configuration doesn't require your involvement in gateway discovery if one of the servers is not responding.

The web address is:

**<http://msgateway.mcxess.nl/send.php>**

Valid methods to connect to the gateway are GET or POST with a Content-Type of 'application/x-www-form-urlencoded'. To ensure security you will be given a Username and Password that is specific to your account. The Username and Password will be sent to you as part of the account setup procedure. Once you received the 'account set up' email, which includes the Username and Password, you can start sending HTTP requests.



=====

## 2. PARAMETERS

=====

The parameters that are used:

USERNAME	Client's username assigned by MCXess
PASSWORD	Client's password assigned by MCXess
BODYTYPE	Type of message
REFERENCE	Unique identifier for delivery reports
DESTINATION	Destination number(s)
SENDER	Originator address
BODY	Data to be sent
TARIFF	Amount to be charged to the recipient (incl. VAT)
SERVICE	SMS service tag to be used as billing reference on statistics and invoice
DLR	Delivery report request
UDH	User Data Header

Specifications for every parameter are detailed out below:

-----

### USERNAME

Client's username assigned by MCXess

Bodytypes: ALL  
Required: yes  
Type: Alphanumeric, Case sensitive  
Min length: 2  
Max length: 15  
Min value: <na>  
Max value: <na>  
Values: <na>  
Default value: <none>  
Example: USERNAME=username  
Remarks: <none>

-----

### PASSWORD

Client's password assigned by MCXess

Bodytypes: ALL  
Required: yes  
Type: Alphanumeric, Case sensitive  
Min length: 2  
Max length: 15  
Min value: <na>  
Max value: <na>  
Values: <na>  
Default value: <none>  
Example: PASSWORD=password  
Remarks: <none>



---

## BODYTYPE

Type of message

Bodytypes: <na>

Required: no

Type: Numeric

Min length: 1

Max length: 1

Min value: <na>

Max value: <na>

Values: 1 = text message

2 = flash message

3 = binary message

4 = unicode message

Default value: 1

Example: BODYTYPE=1

Remarks: <none>

---

## REFERENCE

Unique identifier for delivery reports

Bodytypes: ALL

Required: only if you want to receive delivery reports

Type: Numeric (unsigned integer)

Min length: 1

Max length: 10

Min value: 0

Max value: 4294967295

Values: <na>

Default value: <none>

Example: REFERENCE=1

Remarks: <none>

---

## DESTINATION

Destination number(s)

Bodytypes: ALL

Required: yes

Type: MSISDN-numeric (international format without leading "00" or "+")

Min length: 1 MSISDN

Max length: 65535 MSISDN (comma separated)

Min value: <na>

Max value: <na>

Values: <na>

Default value: <none>

Example: DESTINATION=31612345678,31623456789

Remarks: See chapter 3 for more detailed information regarding the error handling of destination



---

**SENDER**

Originator address

Bodytypes: ALL

Required: yes

Type: Numeric or Alphanumeric

Min length: 1

Max length: 16 for Numeric (including +) or 11 for Alphanumeric

Min value: <na>

Max value: <na>

Values: <na>

Default value: <none>

Example: SENDER=+31624240024

Remarks: <none>

---

**BODY**

Data to be send

Bodytypes: ALL

Required: yes

Type: GSM 7-bit alphabet for text message or Hex-numeric for binary/unicode message

Min length: 1

Max length: 160 chars for text message (BODYTYPE 1 and 2)

153 chars for concatenated text message (BODYTYPE 1 and 2)

280 chars for Hex-numeric binary/unicode message (BODYTYPE 3 and 4)

Min value: <na>

Max value: <na>

Values: <na>

Default value: <none>

Example: BODY=This%20is%20a%20test%20message

Remarks: See Appendix A for allowed characters

---

**TARIFF**

Amount to be charged to the recipient (incl. VAT)

Bodytypes: ALL

Required: only if you want to charge the recipient

Type: Numeric

Min length: 2

Max length: 3

Min value: <na>

Max value: <na>

Values: 25,35,40,55,70,80,90,110,150

Default value: <none>

Example: TARIFF=70

Remarks: <none>



---

## SERVICE

SMS service tag to be used as billing reference on statistics and invoice

Bodytypes: ALL  
Required: no  
Type: Alphanumeric  
Min length: 1  
Max length: 10  
Min value: <na>  
Max value: <na>  
Values: <na>  
Default value: <none>  
Example: SERVICE=SMSWIN  
Remarks: <none>

---

## DLR

Delivery report request

Bodytypes: ALL  
Required: only if you want to receive delivery reports  
Type: Numeric  
Min length: 1  
Max length: 1  
Min value: <na>  
Max value: <na>  
Values: 0 = Delivery reports not activated  
1 = Delivery reports activated  
Default value: 0  
Example: DLR=1  
Remarks: See chapter 4 for more detailed information regarding delivery reports

---

## UDH

User Data Header

Bodytypes: 1,2 and 3  
Required: only if you want to send binary messages or concatenated text messages  
Type: Hex-numeric  
Min length: <na>  
Max length: <na>  
Min value: <na>  
Max value: <na>  
Values: <na>  
Default value: <none>  
Example: UDH=0605040B8423F0 (this is the UDH for a WAP PUSH message)  
Remarks: please contact us if you need more information about the use of the UDH parameter



=====  
3. RESPONSE CODES  
=====

Content-Type = "text/plain"

**01 Request successfully accepted**

- 100 Parameter(s) missing
- 110 Bad combination of parameters
- 120 Invalid parameter(s)
- 130 Insufficient credit balance

When specifying <= 10 destinations MCXess checks if the destinations are valid by analysing the combination of country code, prefix and length. Invalid numbers will be given back in the response code like this: *31685123456<>31656123456<>01*

Destinations that were not given back in the response code are valid destinations. Messages to these destinations are successfully sent to the network. More information on possible destinations can be found on the following website: <http://www.numberingplans.com>



=====  
4. DELIVERY REPORTS  
=====

It is possible to receive real time delivery reports on a script that you specify. This script should expect 2 parameters, which will be sent to your script by HTTP GET. When you are requesting a delivery report you must specify one destination only in the request. The two parameters are:

-----  
REFERENCE

Unique identifier that you have sent with the request

Type: Numeric (unsigned integer)  
Min length: 1  
Max length: 10  
Min value: 0  
Max value: 4294967295  
Values: <na>  
Default value: <none>  
Example: REFERENCE=1  
Remarks: <none>

-----  
STATUS

The status of the message

Type: Alphanumeric  
Min length: <na>  
Max length: <na>  
Min value: <na>  
Max value: <na>  
Values: Delivered = Received on phone (final value)  
Not Delivered = Not received on phone (final value)  
Buffered = Phone is switched off or not reachable (temporary value)

Default value: <na>  
Example: STATUS=Delivered  
Remarks: The message will always end up in a final value. Throughout the validity period you can receive several values for one message. Other values apply for premium messages. Please contact us for more information.

=====  
5. EXAMPLES  
=====

An example HTTP GET request for sending a normal text message with delivery reports activated would look like this:

**<http://smsgateway.mcxess.nl/send.php?USERNAME=username&PASSWORD=password&BODYTYPE=1&REFERENCE=1&DESTINATION=31612345678&SENDER=sender&BODY=This%20is%20a%20test&DLR=1>**

=====  
Appendix A: FIELD TYPES  
=====



Numeric: characters 0 to 9  
Alphanumeric: character from ISO-8859-1  
MSISDN-numeric: characters 0 to 9, first character might be a '+' sign  
Hex-numeric: characters 0 to 9 and a-f and A-F  
Time: time as YYYYMMDDHHMMSS

GSM 7-bit alphabet (allowed characters in text messages):

The characters 'a' through 'z', 'A' through 'Z', '0' through '9', linefeed, carriage return and  
@ £ \$ % & ' ( ) \* + , - . / : ; < = > ? [ \ ] ^ \_ { | ~ } ¡ ¢ £ ¤ ¥ ¦ § ¨ © ª « ¬ ® ¯ ° ± ² ³ ´ µ ¶ · ¸ ¹ º » ¼ ½ ¾ ¿ À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ à á â ã ä å æ ç è é ê ë ì í î ï ð ñ ò ó ô õ ö ÷ ø ù ú û ü ý þ ÿ