



SMSGlobal – HTTP-API
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HTTP-API

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HTTP-API

Preface

Welcome to the SMSGlobal HTTP-API. This document provides a reference for all features available to you via the HTTP interface for sending SMS.

Further documentation can be found on our [MobileWorks Administration](#) in regards to configuration settings for this interface.

Introduction

The HTTP-API allows you to integrate your Application (Client) to SMSGlobal (Vendor) using the HTTP protocol to send SMS. HTTPS is also supported for secure transactions using SSL encryption.

The Client issues either a HTTP GET or POST request to the SMSGlobal HTTP interface supplying a list of required parameters. SMSGlobal issues back a HTTP Response which indicates the validity of the transaction.

The HTTP-API is used for 1 way messaging only. Therefore you need to provide a valid MSISDN as the Sender ID of the message to allow the recipient the ability to respond.

Features

Please find below a list of features for this API.

- Custom Sender ID
- Dedicated Virtual Numbers
- Delivery Receipt Notifications via Email/SMS
- Recipient OPT Out Option
- 24/7 support via our support system

Sending a SMS

URL: <http://www.smsglobal.com/http-api.php>

HTTP Request

Find below a list of parameters when issuing a HTTP Request.

Parameter	Description	Presence
action	Action to be taken. [Default: sendsms]	Mandatory
user	Your SMSGlobal username	Mandatory
password	Your SMSGlobal password	Mandatory
from	MSIDSN or Sender ID that the message will appear from. Eg: 61409317436 (Do not use + before the country code)	Mandatory
to	MSIDSN of the recipient that the message will be sent to. Eg: 61409317436 (Do not use + before the country code). Multiple recipients can be listed, separated by a comma ','	Mandatory
text	Message to be sent. Must be URL encoded.	Mandatory
maxsplit	Enables splitting of message if text exceeds 160 characters. Specifies number of times allowed to split.	Optional
scheduledatetime	To schedule the message to be sent some time/date in the future. Time/Date format is: "yyyy-mm-dd hh:mm:ss" which is URL encoded.	Optional

HTTP Response

The HTTP Response from SMSGlobal contains the following:

- Status Code
- Sent Queued Message ID (Internal use only)
- SMSGlobalMsgId
- Error message (if present)

Status Codes

If the message has been sent successfully the status code will return **OK: 0**

Example:

```
OK: 0; Sent queued message ID: 941596d028699601
SMSGlobalMsgID:6764842339385521
```

If the message was unable to be delivered it will return **ERROR: {Status code} {Error Msg}**

Example:

```
ERROR: Missing parameter: from
```

The following is a list of possible HTTP Responses:

Response	Description
OK: 0; Sent queued message ID [] SMSGlobalMsgID:[]	Successfully sent. Repeated if multiple messages are sent (i.e. multipart or multiple recipients), separated by a newline
SMSGLOBAL DELAY MSGID:[]	Message successfully scheduled. Scheduled Message ID is provided
ERROR: 402 unknown error at this time, possibly bad username and password.	As stated
ERROR: 402	Invalid username/password (Can occasionally also be due to an internal error) (Note: despite sharing the same error code, this is a different error than above)
ERROR: 11 SMSGlobalMsgID:	Upstream error
ERROR: 88	No credits (Can occasionally also be due to an internal error)
ERROR: 102	System time out
ERROR: Missing parameter: (user password to from)	As stated
ERROR: 8	Source or destination is too short
ERROR: Exception in API method	'text' parameter is empty or not present
ERR 401	Invalid credentials (only appears when scheduling a message)
ERROR 13	SMSGlobal was unable to contact the carrier
Invalid Timezone:	As stated

Examples

Below are example requests when using the HTTP interface.

Sending a SMS

Username: testuser
Password: secret
From: 61447100300
To: 61447100250
Message: Hello World

Request:

```
http://www.msglobal.com/http-  
api.php?action=sendsms&user=testuser&password=secret&  
from=61447100300&to=61447100250&text=Hello%20world
```

Output:

```
OK: 0; Sent queued message ID: 941596d028699601  
MSGlobalMsgID:6764842339385521
```

Scheduling a SMS

Username: testuser
Password: secret
From: 61447100300
To: 61447100250
Message: Hello World
Schedule Date: 10th Jan, 2010 at 3pm

Request:

```
http://www.msglobal.com/http-  
api.php?action=sendsms&user=testuser&password=secret&  
from=61447100300&to=61447100250&text=Hello%20world&scheduledatetime=2010-  
01-10%2015%3A00%3A00
```

Output:

```
MSGLOBAL DELAY MSGID:19736759
```

Note: A SMSGlobal Delay MSG ID is not the same as a SMSGlobal Message ID.

Delivery Receipts

Delivery notification on sent messages is provided by the following methods.

- Email – Each receipt will be sent via email
- HTTP Post Back – each receipt will be sent to your server to monitor

These can be configured under preferences in your SMSGlobal account. Please refer to the Mobileworks Administration documentation further information.

Email

Upon delivery confirmation SMSGlobal can send an email to notify of delivery status.

The email address that it will send these types of notifications to is the main email account associated with your SMSGlobal account.

Warning: Bulk SMS will generate large numbers of delivery receipts and could flood your inbox.

HTTP Post Back (URL)

Upon delivery confirmation SMSGlobal can Post Back to your own server to allow you to monitor the status of messages sent. Please refer to Delivery Receipt documentation for further information.

Please find below the list of parameters that are sent.

Parameter	Description
msg_id	Unique SMSGlobal Message ID
dlrstatus	The status of the delivery for SMS.
dlr_err	The error code.
donedate	The 10 digit date/time representation in the format of yymmddhhmm (year month day hour minute)

Status Codes

Parameter	Description
delivrd	The message has been received by the handset.
expired	The carrier has timed out.
undeliv	The messages failed to reach the handset.

Message Limitations

SMS Length (160 characters)

A single SMS has the limitation of being 160 characters in length. By default, if you attempt to send a message which is more than 160 characters, the message will be truncated.

However you can explicitly indicate that you would like a message to be split into multiple message parts if it exceeds this limit. Each message part is equal to sending a single SMS.

This is by passing the optional parameter MAXSPLIT with your request indicating how many times to split the message if it exceeds this limit.

If a message exceeds 160 characters, it will be split into multiple message parts. Each message part is restricted to 153 characters in length (7 bytes for headers).

MAXSPLIT	Message Length / Parts
1	160 chars
2	306 chars (153*2)
3	459 chars (153*3)

Note: A message will only be split if it exceeds 160 characters. If your message is under 160 characters and you specify a split parameter, you will only be charged for a single message.

Sender ID

It is possible to specify your Sender ID as an alphanumeric string. It must be between 3 – 11 characters.

Unicode (International Languages / Special Characters)

When a message is sent that contains a special character that is not a part of the standard ASCII character set, the character set for the entire message is set to Unicode.

This has a limitation of the length of the message. Each Unicode character (2 bytes) consumes more space compared to the standard ASCII character (1 Byte). This in effect reduces the message length by more than half from 160 characters down to 70.

Important: This has a direct impact on the total cost of each message sent.

In order to send Unicode messages with the HTTP API, your messages will need to be url encoded. Url encoding differs depending on the language you are using:

PHP

```
rawurlencode("Message");
```

.NET

```
System.Uri.EscapeDataString("Message");
```

When scheduling a message, it needs to be double-encoded [E.g, rawurlencode(rawurlencode("Message"))].

When sending immediately it needs to be triple-encoded.

Scheduling

It is possible to schedule delivery of a message to be sent at a specified date and time in the future. This is done by using the SCHEDULEDATETIME parameter in your request.

Time/Date format is: "yyyy-mm-dd hh:mm:ss"

Note: Date/time must be URL Encoded.

Check User Balance

URL: <http://www.smsglobal.com/credit-api.php>

HTTP Request

Find below a list of parameters when issuing a HTTP Request.

Parameter	Description	Presence
user	Your SMSGlobal username	Mandatory
password	Your SMSGlobal password	Mandatory
country	2 digit ISO country code of SMS destination	Mandatory

ISO country codes can be found at http://en.wikipedia.org/wiki/ISO_3166-1 the ISO code is a 2-digit alpha representation of the country. An example is, Australia = AU, United Kingdom = GB

HTTP Response

The HTTP Response from SMSGlobal contains the following:

- User balance in credits
- Selected country
- User balance in SMS for selected country

Status Codes

If the message has been sent successfully the status code will return **balance details**. This includes how many credits are linked with the account, and how many SMS that relates to.

Example: CREDITS:8658.44;COUNTRY:AU;SMS:3764.54;

If there is an error with the request such as invalid details, the system will return **Error:11; Invalid login details;**

All errors will be returned as **Error:XX; STR_ERROR;**

Example: Error:11; Invalid login details;

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