



SMSGH Bulk Account API – Version 2.0

The SMSGH API allows you send messages, and query meta-data about messages stored on your account.

The API is based on standard HTTP, thus making it easy to write and test applications with the standard HTTP client libraries provided with most application frameworks.

Base URL:

All URLs referenced in this document have the following base URL:

<http://api.smsgh.com/v2/>

HTTPS Support

The SMSGH API is supported for both HTTP and HTTPS.

API Requests

Credentials

All requests to the SMSGH API require authentication. The authentication details must be included in either the GET request URL or the POST data body. Authentication details are passed as ‘username’ and ‘password’.

Supported Methods

The SMSGH API supports GET, and POST. Please ensure that all argument values are properly URL encoded (http://en.wikipedia.org/wiki/URL_encoding).

GET request are used to query a resource. Data for a GET request is passed in the form of query string arguments.

Status Codes

SMSGH API returns the following status codes. Each status code also comes with an appropriate status description.

- 200 OK: The request was successful

- 400 BAD Request: The data given in the request failed validation. Details are provided in the HTTP status description, as well as the response body.
- 403 FORBIDDEN: The resource cannot be accessed by the credentials you have provided.
- 404 NOT FOUND: The resource you requested could not be found.
- 500 SERVER ERROR: An error occurred on the server.

Response

The SMSGH API returns a mixture of XML as application/xml, and plain text as the response for all requests.

The details of the expected response are documented as part of the specific API documentation method.

API Methods

Messages/Send

The messages/send API method enables a client to send a single text message.

Parameters

Send is supported for both HTTP POST and GET.

Parameter	Description
username	Your SMSGH API account id
password	Your SMSGH API account password
from	The message originator.
to	The recipient phone number.
text	The message content. A maximum of 160 characters for a text message. You can however specify up to three parts.
client-id (optional)	An additional field for identifying an affiliate or a sub user account.
Time (optional)	The scheduled delivery time in the format <i>yyyy-MM-dd HH:mm</i> . For example the date <i>24th May 2010 at 4:30pm</i> , will be <i>2010-05-24 16:30</i>

Successful Response

OK: <message ID>
<message ID> refers to a unique identifier that can be used to query the status of the message.

Unsuccessful Response

ERR: <status code> - <status description>
<status code> - The HTTP status code of the error message.
<status description> - The HTTP status description.

Example

Call:	http://api.smsgh.com/v2/messages/send?username=xxx&password=xxx&from=smsgh&to=%2b233208183783&text=hello+world&id=client1
Response:	OK: 3361287

Notes

Messages/query

The messages/query API method allows a client to query the status of a previously sent text message.

Parameters

Messages/query is supported for HTTP GET and POST.

Parameter	Description
Username	Your SMSGH API account id
Password	Your SMSGH API account password
message-id	The id of the message whose status you wish to query. The message id is provided in the GET request.

Successful Response

OK: <message status>
<message status> refers to the status of the message you queried.

Unsuccessful Response

ERR: <status code> - <status description>
<status code> - The HTTP status code of the error message.
<status description> - The HTTP status description.

Example

Call:	http://api.smsgh.com/v2/messages/query?username=xxx&password=xxx&message-id=3361287
Response:	OK: Delivered

Notes

Account/Delivery-Reports

The account/delivery-reports API method allows a client to get a report of message statuses for a specified period.

Parameters

Getstatus is supported for HTTP GET and POST.

Parameter	Description
Username	Your SMSGH API account id
Password	Your SMSGH API account password
start-date (optional)	The start time of the report (inclusive) in the format yyyy-MM-dd HH:mm. For example the date 24 th May 2010 at 4:30pm, will be 2010-05-24 16:30. Defaults to 7 days ago from the current time.
end-date (optional)	The end time of the report (inclusive) in the format yyyy-MM-dd HH:mm. For example the date 24 th May 2010 at 4:30pm, will be 2010-05-24 16:30. Defaults to the current time.
client-id (optional)	Include client-id to filter the delivery reports by affiliate, or sub user.

Successful Response

A successful response is an xml document as described below.

```
<?xml version="1.0" encoding="utf-8"?>
<report>
  <message>
    <id><message id></id>
    <time><time></time>
    <sender><sender></sender>
    <recipient><recipient></recipient>
    <client-id><client id></client-id>
    <status><status></status>
  </message>
  <message>
    .....
  </message>
</report>
```

<message id> - unique identifier for message

Unsuccessful Response

ERR: <status code> - <status description>

<status code> - The HTTP status code of the error message.

<status description> - The HTTP status description.

Example

Call:	https://api.smsgh.com/v2/account/delivery-reports?username=xxx&password=xxx&client-id=xxx
Response:	<pre><?xml version="1.0" encoding="utf-8"?> <report> <message> <id>286196</id> <time>2010-01-31 10:16:27</time> <sender>dido</sender> <recipient>+233208183783</recipient> <client-id>dido</client-id> <status>Delivered</status> </message> <message> <id>286196</id> <time>2010-01-31 10:16:27</time> <sender>dido</sender> <recipient>+233208183783</recipient> <client-id>dido</client-id> <status>Delivered</status> </message> </report></pre>

Notes

The download speed can be improved by sending the *Accept-Encoding: gzip, deflate* header. This will compress the response output to download quickly. It is however important for the client to be able to handle the encoding.

Contacts

The contacts API method allows a client to get a listing of contacts for a specific Mytxtbox account.

Parameters

Contacts is supported for HTTP GET and POST.

Parameter	Description
username	Your SMSGH API account id
password	Your SMSGH API account password
mytxtbox-username	The mytxtbox username
mytxtbox-password	The Mytxtbox password

Successful Response

A successful response is an xml document as described below.

```
<?xml version="1.0" encoding="utf-8"?>
<contacts>
  <group name="<group name">">
    <contact>
      <id><contact id></id>
      <name><contact name></name>
      <number><contact phone></number>
    </contact>
    ...
  </group>
  ...
</contacts>
```

<group name> - The name of a contacts group
<contact id> - The unique id for each Mytxtbox contact
<contact name> - The name of the contact
<contact phone> - The contact's phone number

Unsuccessful Response

ERR: <status code> - <status description>

<status code> - The HTTP status code of the error message.

<status description> - The HTTP status description.

Example

Call:	https://api.smsgh.com/v2/contacts?username=xxx&password=xxx&mytxtbox-username=xxx&mytxtbox-password=xxx
Response:	<pre><?xml version="1.0" encoding="utf-8"?> <contacts> <group name="group 1"> <contact> <id>1</id> <name>Kwadwo</name> <number>+233208183783</number></pre>

```
</contact>
<contact>
  <id>2</id>
  <name>Kwabena</name>
  <number>+233208183780</number>
</contact>
</group>
<group name="group 2">
  <contact>
    <id>3</id>
    <name>Kwaku</name>
    <number>+233208183781</number>
  </contact>
  <contact>
    <id>4</id>
    <name>Kofi</name>
    <number>+233208183782</number>
  </contact>
</group>
</contacts>
```

Notes

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