

HelloSMS API Documentation

version 1.0

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Version history

Below is a list of updates to the API and this documentation.

Notes on versioning

The major version remains the same as long as no breaking changes are made to the API.

Minor version updates means that new functionality is added to the current version, and will be available without changing the version of the API which is used.

For updates to this documentation, no new version number is added

Versions

Version 1.0 (2022-12-04)

Initial version, including the Send SMS method as well as general information about the API.

Introduction

About this document

This is the technical documentation for the HelloSMS API. To receive notifications when this document is updated, please send an email to support@hellosms.se with your email address and which company you are representing.

About HelloSMS

HelloSMS is an online service for sending and receiving SMS online. The service contains a multitude of functionalities useful for companies and organizations in handling their SMS communications and marketing.

For more information about HelloSMS, see <https://hellosms.se/>

API Overview

The HelloSMS API is a simple HTTP API based on JSON. The base path for the API is <https://api.hellosms.se/>

Pre-requirements

To use the API, you need an account on HelloSMS, which has an API user created on it.

The API works with test accounts as well as active accounts, but with the same limitations as on the web. This means that a limited number of SMS can be sent, and all messages will be delivered to the registered phone number regardless of supplied recipient. If you need extra test message credits, please contact us at support@hellosms.se and tell us a bit about your use case.

HTTP Method

All API calls are made using POST calls.

HTTP Headers

You should always send the Content-Type header set to application/json.

For authorization, the API uses HTTP Basic Auth. This header is also needed in all calls. See the Authentication chapter in this manual for more information on this.

Body of HTTP call

The body of the HTTP call should consist of the JSON object needed for the method used. The object attributes depends on the chosen method and are detailed in the Methods part of this manual.

API Response Status Codes

The API responds with one of the following HTTP Response Status Codes:

200 OK

Indicates a successful API call.

400 Bad Request

Indicates that something wasn't correct in the call. Details will be in the statusText field of the response.

401 Not Authorized

Indicates that the username or password used in the authorization was wrong, or that the user or account has been deactivated.

API Response Data

In addition to the codes above, the API response will include a JSON object with different fields depending on the method user. Some fields are always present, however. These are:

status

The value of this field will be “success” for any successful call.

If the call failed, the value will “failed”.

statusText

This field contains text information about the result of the call. It can be information on the successful call, or the reason for a failed call.

Authentication

How to authenticate

The API uses HTTP Basic Auth to authenticate API users.

Creating an API User

To use the API, you need an API user. These can be created on the web dashboard at <https://dashboard.hellosms.se/dashboard-api/>

Authentication in an API call

When making the call, always include the Authorization header. For Basic Auth, the value of this should be a base64 encoded string consisting of:

username + ":" + password

For example, in PHP, this string could be created as follows:

```
_____
$basicAuthString = base64_encode($username . ':' . $password);
_____
```

Methods

In this section you can find the different API methods available in the current version of the API.

Send SMS

Method description

This method is used to send text messages to one or more (up to 50) recipients. A number of options that can be used when sending are available.

URL

<https://api.hellosms.se/v1/sms/send/>

Method: POST

Parameters

Parameters with an asterisk (*) are mandatory.

to*

Either a string with a number, or an array of strings for multiple numbers (up to 50 allowed). The format for numbers is suggested to be in the international +46700000000 format. Most formats work, including without the country code (i.e. 0700000000) which will make the system assume the number belongs to the same country that the account belongs to.

from

Can be a combination of text and numbers to use instead of the number associated with the account. The field can be 3-11 characters long and consist of A-Z, 0-9, space and underscore as well as åäö the Swedish market.

subject

A subject for the SMS, just for internal use on the company account. Will be set to "API" if not present.

message*

The message. To learn of how many SMS a message will consist of, see <https://hellosms.se/blogg/hur-manga-tecken-per-sms> (swedish) or try sending a message with testMode set to true (see below).

delay

Can be set to a UNIX timestamp to delay sending the message until that time.

shortLinks

Setting this to true will make the message sent with shortened links. Any links starting with http:// or https:// will be shortened.

testMode

If set to true, no messages will be sent. This can be used to test the system without sending any actual messages.

Response

The response includes a lot of information on the message which was delivered to the API.

status

Can be “success” if the message was successfully received, or failed if something went wrong.

statusText

This text message shows more information about the status. The most common message will be “message received successfully by the system”.

messageIds

An array of one object for each message sent. Each object includes the following information:

- **apiMessageId**: An unique ID which can be used to reference the specific message
- **to**: The number which the message will be sent to (in international format)
- **status**: The status of the message. Possible statuses are:
 - 0: The message has been placed in a queue and will be sent to the recipient. This is the expected result and will be the most common status seen. Please note that delivery can still fail at a later stage.
 - -5: Failed, likely due to trying to send a message to a country which isn't supported on the account (contact support@hellosms.se to add countries to your account).
- **message**: The message. Will often be the same as the message sent, but can be modified by having used shortened links for example

originalMessage

The original message as it was sent to the API.

messageCount

The number of SMS messages that the message will consist of. See <https://hellosms.se/blogg/hur-manga-tecken-per-sms> (swedish) for more information on how this is calculated.

textLength

Textlength in number of characters. Please note that both this and messageCount above takes shortened links into account, so the number of characters might not match the original message.

encoding

Either standard or unicode. The the link above for an explanation of when a message can become sent with the unicode encoding.

shortenLinks

Can be true or false, controls if links were shortened or not.

from

The custom sender text used for the message, see the "from" parameter.

delay

The delay parameter, only included if used.

Example

JSON Body sent:

```
{
  "to": [
    "0700000000",
    "+48700000000"
  ],
  "from": "TEST",
  "subject": "Test",
  "message": "This is a test. Please visit https://hellosms.se/sms-api today.",
  "delay": 1671890400,
  "shortLinks": true,
  "testMode": false
}
```

JSON Response:

```
{
  "status": "success",
  "statusText": "message received successfully by the system",
  "messageIds": [
    {
      "apiMessageId": "api-638ca85eb5c808.02026978",
      "to": "+46700000000",
      "status": 0,
      "message": "This is a test. Please visit https://out.io/zCc3 today."
    },
    {
      "apiMessageId": "api-638ca85eb647c8.05808165",
      "to": "+48700000000",
      "status": -5,
      "message": "This is a test. Please visit https://out.io/pYNr today."
    }
  ],
  "originalMessage": "This is a test. Please visit https://hellosms.se/sms-api today.",
}
```

```
"messageCount": 1,  
"textLength": 56,  
"encoding": "standard",  
"shortenLinks": true,  
"from": "TEST",  
"delay": 1671890400  
}
```

Please note in the response that the status of the second recipient was -5. This is because the account used in the example does not have access to sending to numbers with the +48 country code.

Questions?

If you have any questions, please contact us at support@hellosms.se