

HTTP Specification

V1.4

BudgetSMS.net

HTTP API Specification V1.4

Version information

Version	Comment	Date
V1.4	Removed Fixed line support The Netherlands	2011-12-29
V1.3	Added Fixed line support The Netherlands	2011-06-20
V1.2	Enhanced Error detection	2011-05-04
V1.1	Added custom messageID support	2011-04-09
V1.0	Added HTTP API IP restriction Added error messages Complete overhaul of this documentation	2011-04-07
V0.5	Added error messages	2011-03-31
V0.4	Added Push DLR function	2010-09-06
V0.3	Added credit check	2010-03-18
V0.2	Added operator check	2010-03-18
V0.1	Initial version	2010-03-10

BudgetSMS.net

HTTP API Specification V1.4

Table of contents

Table of contents.....	3
Sending SMS.....	4
Check SMS Route.....	6
Check credit.....	7
Push DLR (Status reports).....	8
Error codes	9
DLR Statuses	10
Troubleshooting	11
Examples.....	12
Sending SMS message	12

BudgetSMS.net

HTTP API Specification V1.4

Sending SMS

To send messages through our API you need to make a HTTP GET call to our API with your account and SMS details.

The base URL to use is:

<http://www.budgetsms.net/api/sendsms>

Use these variables to specify your account and SMS details

Variable	Description	Format	Mandatory	Example
username	Your BudgetSMS username	alphanumeric	yes	test
userid	Your BudgetSMS userid	numeric	yes	21547
handle	Your API handle	alphanumeric	yes	1e756dc895456f
msg	Text of your SMS message	alphanumeric	yes	This is a test
from	Senderid of your SMS message	alphanumeric	yes	BudgetSMS
to	Receiver of your SMS message	numeric	yes	31612345678
customid	Your own customMessageID	Alphanumeric, max 50 chars	no	5d3443564efab1

- Username
Your BudgetSMS username.
- Userid
Your BudgetSMS userid. This can be found in the control panel after the login.
- Handle
This is a unique identifier. You can find this also in the control panel after the login.
- Msg
This is the actual message of the SMS. There is not really a maximum number of characters, but it is considered safe to use up to 612 characters (4 SMSparts).
Please consult this URL with the allowed characters in a normal SMS:
http://en.wikipedia.org/wiki/GSM_03.38
- From
This is the sender that will appear in the inbox of the receiver of the SMS. This can be numeric as well as alphanumeric
 - o Alphanumeric: maximum length 11 characters (allowed: [a-z], [A-Z] and [0-9])
 - o Numeric: maximum length 16 numbers (allowed: [0-9])
This must be a valid MSISDN
Consult this link for more information: <http://en.wikipedia.org/wiki/MSISDN>
- To
Receiver number of the SMS message. No spaces, do not use the + before the international countrycode. Omit the first 0 from the number. Example: 31612345678
This must also be a valid MSISDN: <http://en.wikipedia.org/wiki/MSISDN>
- Customid
You can add your own customid when sending SMS. This is an unique id that can only be

BudgetSMS.net

HTTP API Specification V1.4

used once. When you use this ID on more messages you will get an error. If omitted this function is not used.

Be sure to always use URL encoding before making the HTTP call. Without this it can lead to unexpected results (errors, missing text in SMS, etc). Also use the ISO-8859-15 character set. Consult this URL for more information about this character set: <http://en.wikipedia.org/wiki/Iso-8859-15>

BudgetSMS.net

HTTP API Specification V1.4

Check SMS Route

It is possible to check the country and the operator based on the mobile number prefix. Please be advised: this is NOT an HLR service. If a number is ported to another operator, it will not show up in this API call. It is only able to determine the original operator.

The URL to this call is

<http://www.budgetsms.net/api/checkoperator>

Use these variables to specify your account and MSISDN details

Variable	Description	Format	Mandatory	Example
username	Your BudgetSMS username	alphanumeric	yes	test
userid	Your BudgetSMS userid	Numeric	yes	21547
handle	Your API handle	alphanumeric	yes	1e756dc895456f
check	The number to check operator	numeric	yes	31612345678

When the call was successful, expect a result similar to this:

OK:2:T-Mobile Netherlands BV:0.0450

OK:[OperatorID]:[OperatorName]:[MessageCost]

Or when it was not successful:

ERR [errorcode]

BudgetSMS.net

HTTP API Specification V1.4

Check credit

To check your remaining credit use this URL

<http://www.budgetsms.net/api/checkcredit>

Use these variables to specify your account details

Variable	Description	Format	Mandatory	Example
username	Your BudgetSMS username	alphanumeric	yes	test
userid	Your BudgetSMS userid	numeric	yes	21547
handle	Your API handle	alphanumeric	yes	1e756dc895456f

Result with correct account details will be:

OK 123.12

When not correct:

ERR [errorcode]

BudgetSMS.net

HTTP API Specification V1.4

Push DLR (Status reports)

It is possible to receive DLR information about the messages you have sent. Our system will push these updates to your server so you can process these updates in your software.

To enable this service for your account please login at the control panel and enter an URL where you want to receive the status updates. When we detect that you have entered an URL we will push the updates there.

Please make sure this URL accepts GET requests from BudgetSMS with these variables

Parameter	Explanation
id	SMS messageid
status	New status code
date	Timestamp of the DLR change (this can be a non local timestamp)

Every GET request to your URL consists of one (1) status update. So expect at least one GET request for every SMS submitted

BudgetSMS.net

HTTP API Specification V1.4

Error codes

Error codes with explanation when sending a SMS message returns an error.

Error code	Description
1001	Not enough credits to send messages
1002	Identification failed. Wrong credentials
1003	Account not active, contact BudgetSMS
1004	This IP address is not added to this account. No access to the API
1005	No handle provided
1006	No UserID provided
1007	No Username provided
2001	SMS message text is empty
2002	SMS numeric senderid can be max. 16 numbers
2003	SMS alphanumeric sender can be max. 12 characters
2004	SMS senderid is empty or invalid
2005	Destination number is too short
2006	Destination is not numeric
2007	Destination is empty
2008	SMS text is not OK (check encoding?)
2009	Problem with the parameters. (check all mandatory params, encoding, etc)
2010	Destination number is invalidly formatted
2011	Destination is invalid
2012	SMS message text is too long
2013	SMS message is invalid
2014	SMS CustomID is used before
2015	Charset problem
3001	No route to destination. Contact BudgetSMS for possible solutions
3002	No routes are setup. Contact BudgetSMS for a route setup
3003	Invalid destination. Check international mobile number formatting
4001	System error, related to customID
4002	System error, temporary issue. Try resubmitting in 2 to 3 minutes
4003	System error, temporary issue.
4004	System error, temporary issue. Contact BudgetSMS
4005	System error, permanent
4006	Gateway not reachable
5001	Send error, Contact BudgetSMS with the send details
5002	Wrong SMS type
5003	Wrong operator
6001	Unknown error

BudgetSMS.net

HTTP API Specification V1.4

DLR Statuses

When a DLR callback to your server is done, expect the following possible status codes

Status code	Status
0	Message is sent, no status yet (default)
1	Message is delivered
2	Message is not sent
3	Message delivery failed
4	Message is sent
5	Message expired
6	Message has a invalid destination address
7	SMSC error, message could not be processed
8	Message is not allowed
11	Message status unknown, usually after 24 hours without status update SMSC
12	Message status unknown, SMSC received unknown status code

BudgetSMS.net

HTTP API Specification V1.4

Troubleshooting

Always make sure the data is URL encoded before sending. There can be some strange results when not decoding the data.

Also use the ISO-8859-15 character set when encoding SMS messages. If you use other character encoding schemas it might lead to unexpected results. Please consult this URL for more information: <http://en.wikipedia.org/wiki/Iso-8859-15>

If error codes starting with 9x-xxx occur please contact BudgetSMS with the errorcode. This is a SMS route specific error that we need to investigate with the SMS route.

If you have questions about new SMS routes or are experiencing problems with our HTTP API don't hesitate to contact us with your questions.

BudgetSMS.net

HTTP API Specification V1.4

Examples

Sending SMS message

Example HTTP call:

<http://www.budgetsms.net/api/sendsms?username=test&handle=1234ef2354238dac2&userid=25135&msg=This%20is%20a%20test%20message&from=BudgetSMS&to=31612345678>

When successful will give this output:

OK XXXXXXXX

where XXXXXXXX is the messageID. Save this message ID when you receive status information, as this messageID is your only way of identifying this SMS.

If there was an error (no credit, wrong login information, etc) it will be something like this:

ERR XXXX

(Where XXXX is the actual errorcode, please consult the list of possible errors)